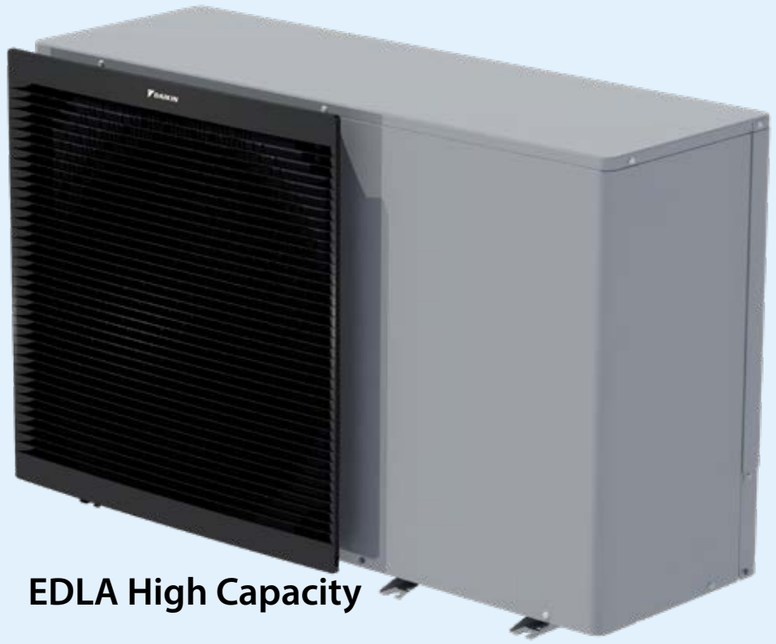
Daikin Altherma Monobloc Schematics

EDLA Low Capacity



EDLA High Capacity

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Warranty and maintenance **103**

Daikin Altherma Monobloc

Low capacity 4-8 and high capacity 9-16

The Daikin Altherma 3 Monobloc is an outdoor only unit including an enclosed refrigerant circuit. It is an all-in-one concept with all key hydraulics included in a single unit, such as the pump, flow sensor, and water pressure sensor. The system requires no indoor unit, only a user interface and a stand-alone domestic hot water tank.

The high capacity models (9-16) are available with an integrated backup heater, whereas the low capacity models (4-8) do not have an inbuilt backup heater. The backup heater will be available as an optional accessory. Also available as an option for all models is a wiring centre which offers a central wiring connection for all components installed inside the house.

Combination table

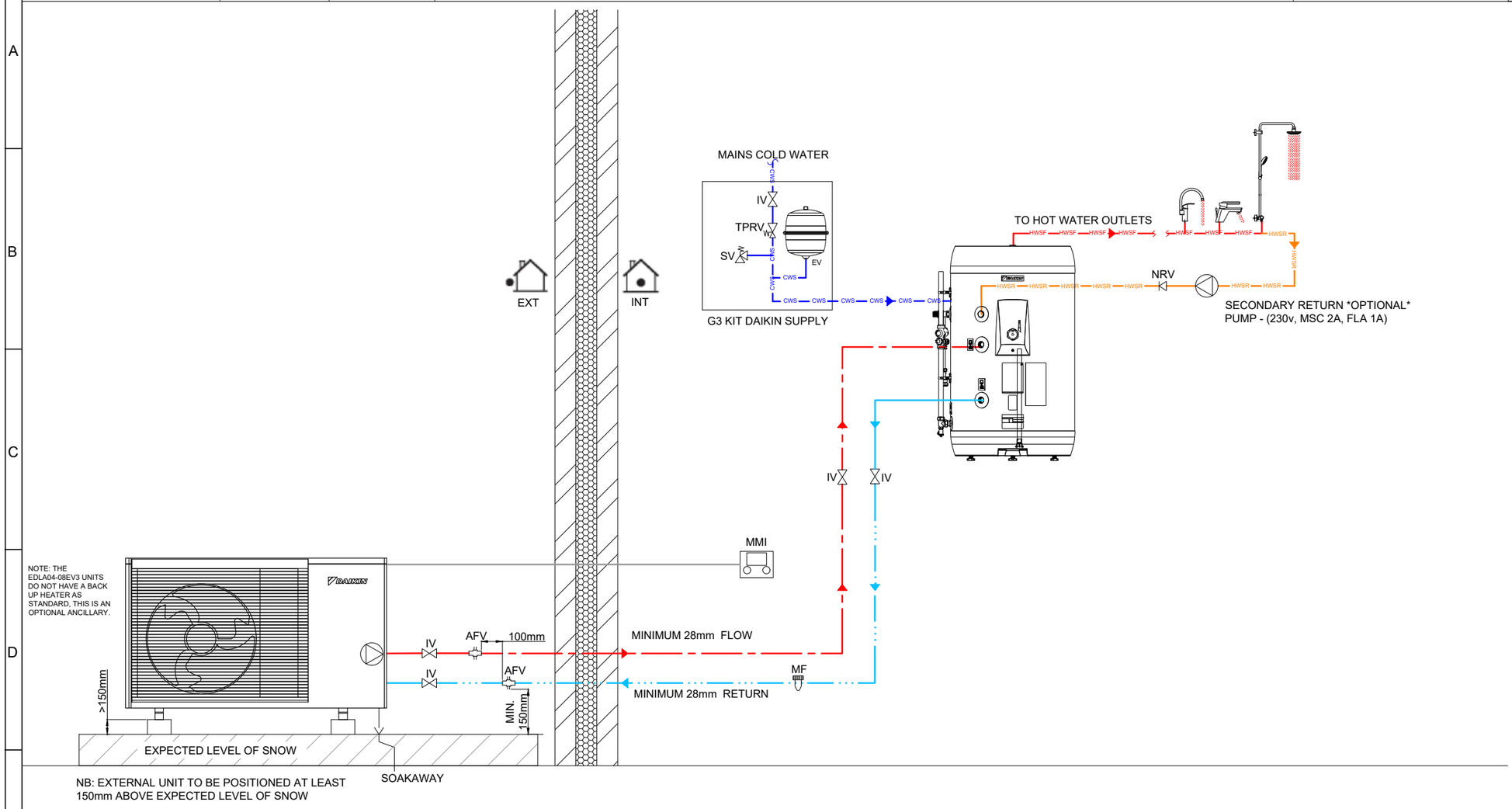
Outdoor	EB/DLA04-08E Low capacity monobloc 4-8 kW		E(D/B)LA9-16D High capacity monobloc 9-16 kW	
Indoor	N/A	N/A	N/A	N/A
DHW Cylinder	SB.EKHWSU Hot water cylinder 	or	UK.PPC/R32 Pre-Plumbed R-32 Cylinder 	

ST 102: EDLA Low Capacity Monobloc - DHW Only - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-102 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

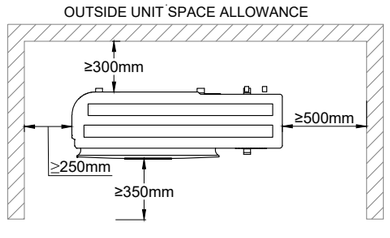
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

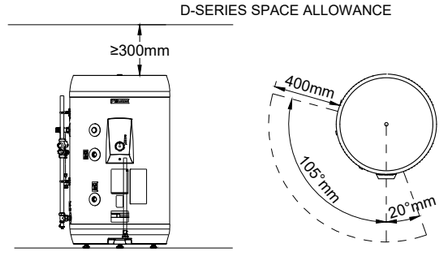
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	24.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	RB	SB	12.05.23

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Drawing:
Small MonoBloc
EDLA 04-08 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

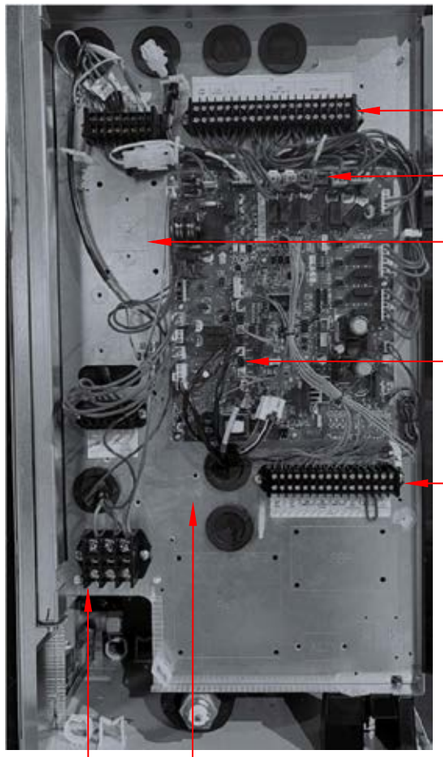
DAIKIN altherma

ST 102: EDLA Low Capacity Monobloc - DHW Only - **Electrical**

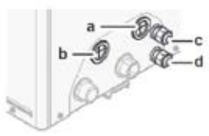
Drawing Number:	Scale:	Revision:
ST-102 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

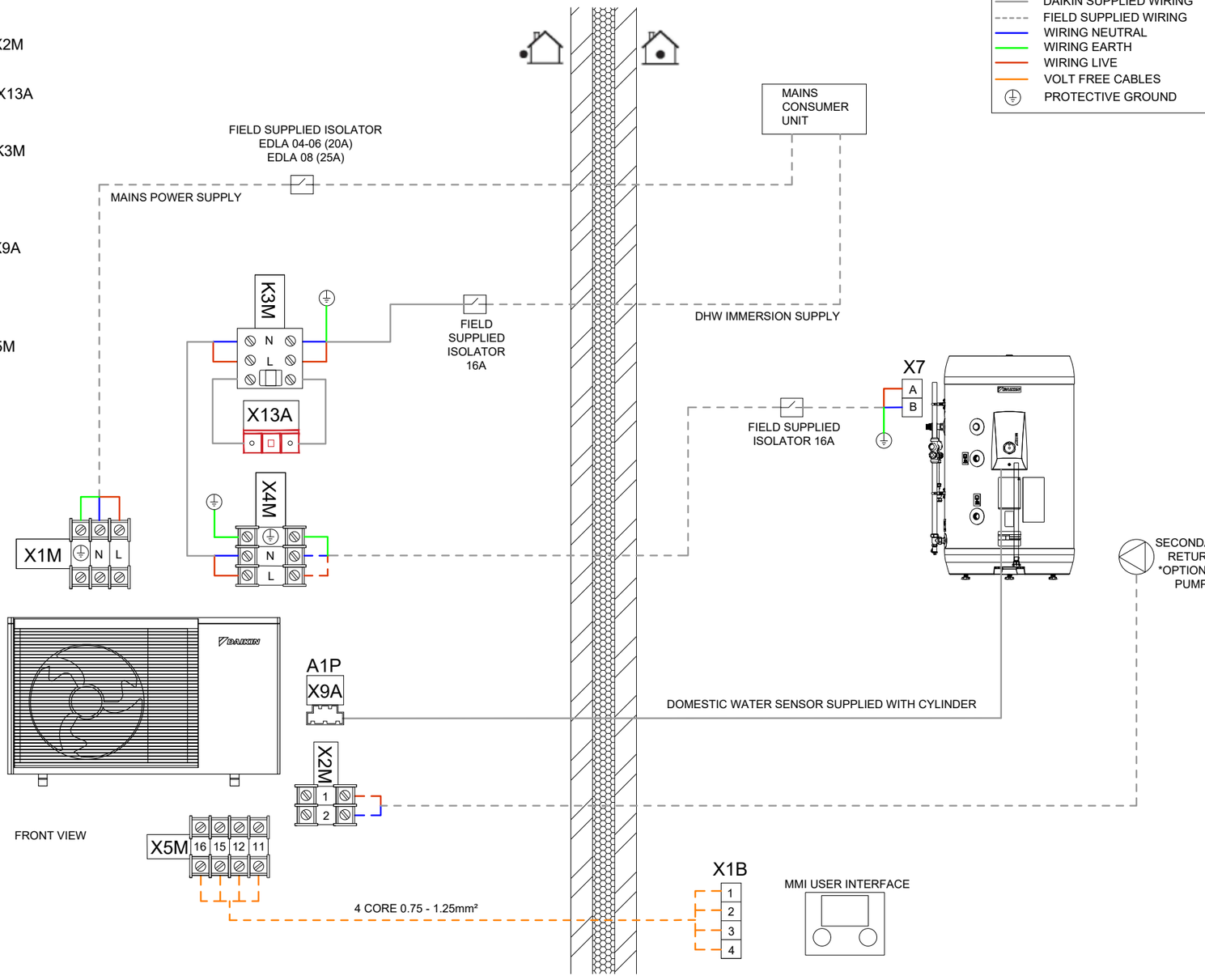
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



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Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 102: EDLA Low Capacity Monobloc - DHW Only - **Key Data**

Drawing Number:	Scale:	Revision:
ST-102 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
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- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	24.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
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Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

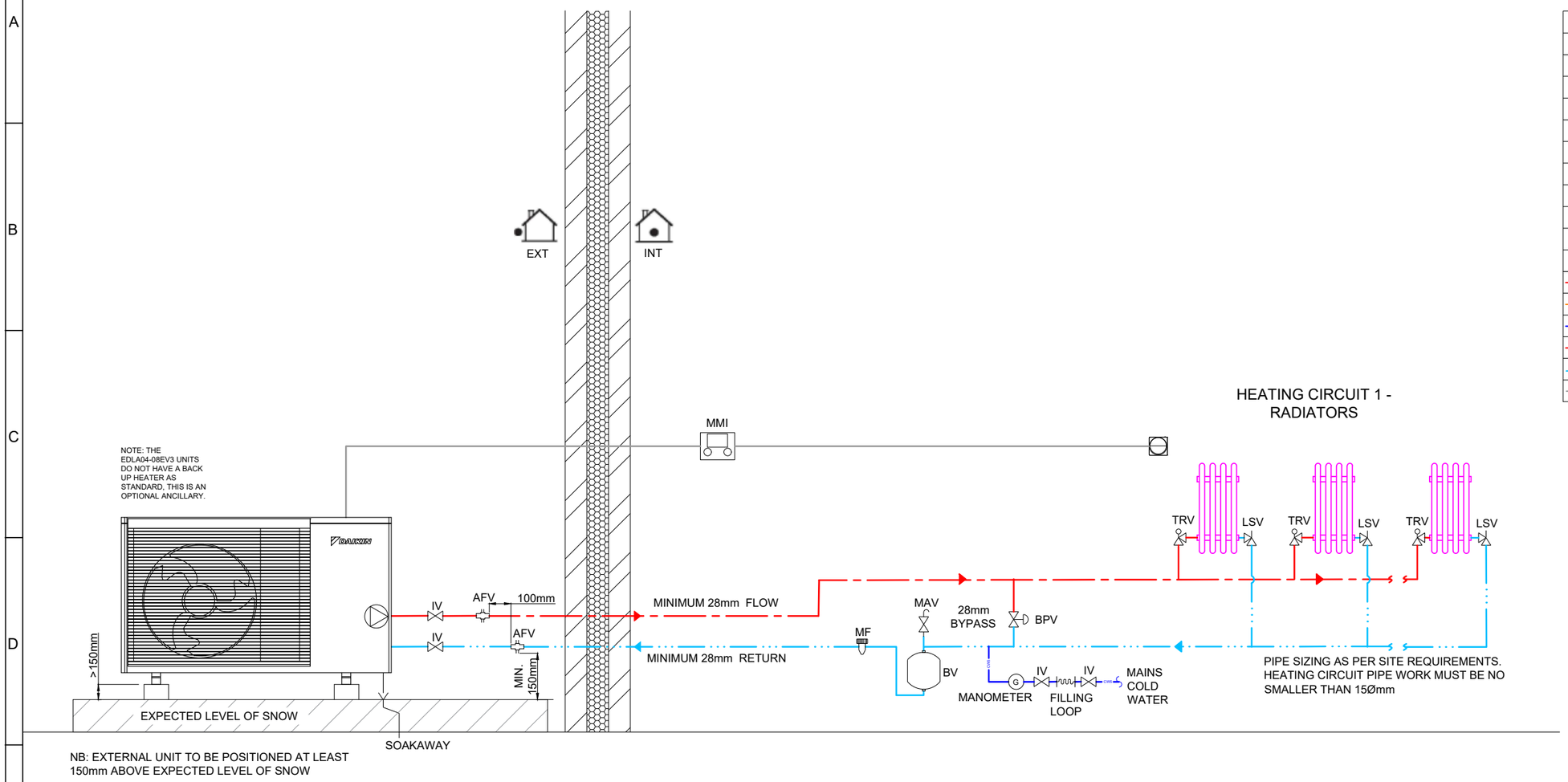
ST 103: EDLA Low Capacity Monobloc - Radiators Only - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-103 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

LEGEND

IV	ISOLATION VALVE
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

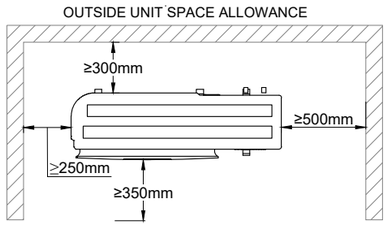
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



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Drawing:
Small MonoBloc
EDLA 04-08 (1 PHASE)
RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 103: EDLA Low Capacity Monobloc - Radiators Only - **Electrical**

Drawing Number:	Scale:	Revision:
ST-103 (2 of 3)	NTS@ A3	P3

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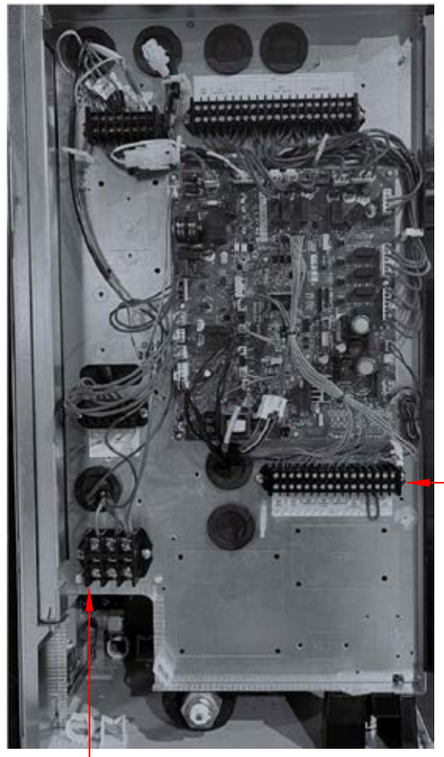

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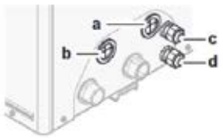
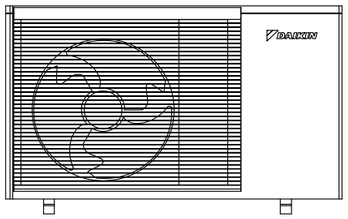
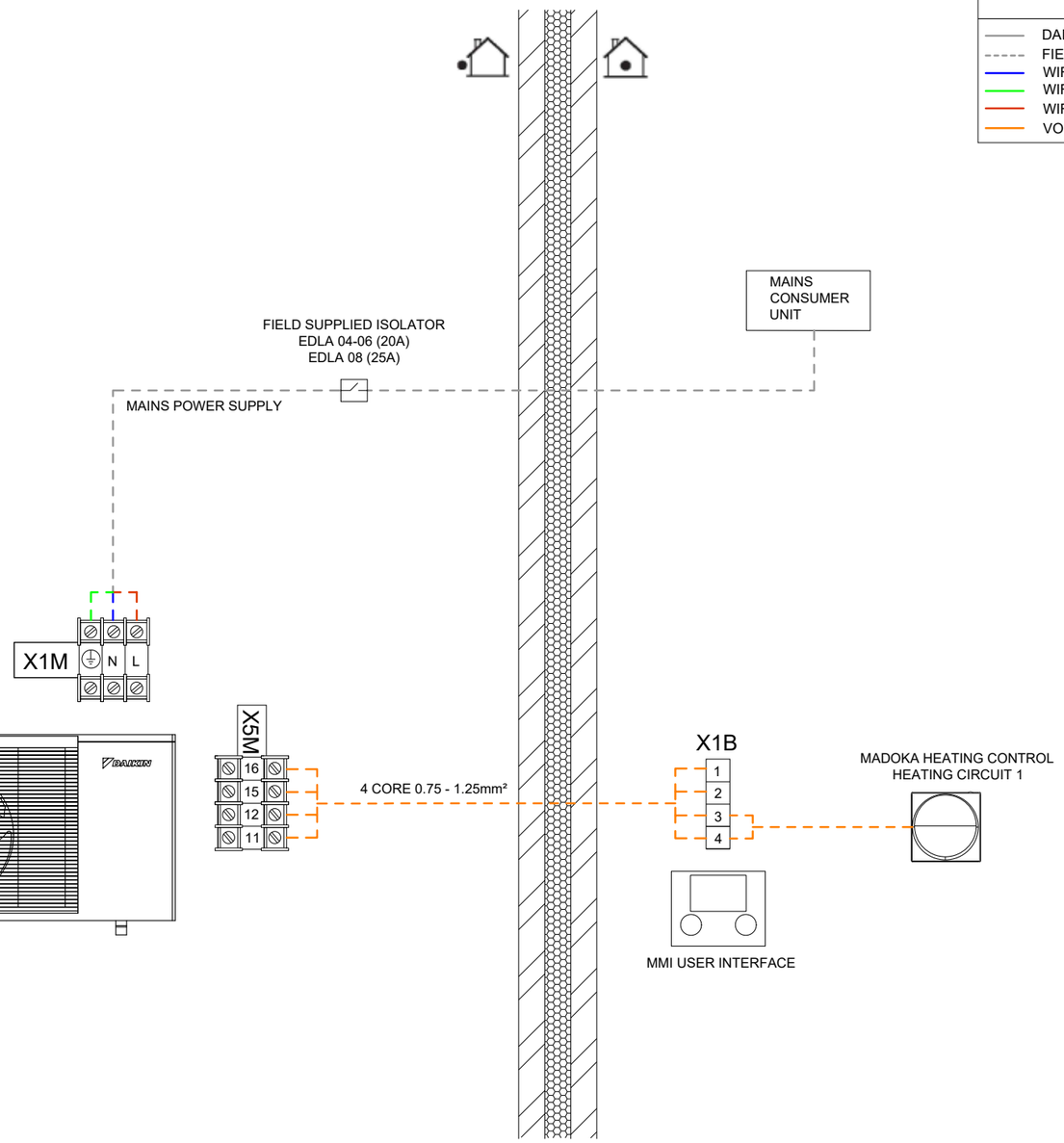
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



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Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
RADIATORS

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 103: EDLA Low Capacity Monobloc - Radiators Only - **Key Data**

Drawing Number:	Scale:	Revision:
ST-103 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
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- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
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MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
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FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	24.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	RB	SB	12.05.23

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Drawing: Small MonoBloc EDLA 04-08 (1 PHASE) RADIATORS

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

ST 104: EDLA Low Capacity Monobloc - UFH Only - **Mechanical**

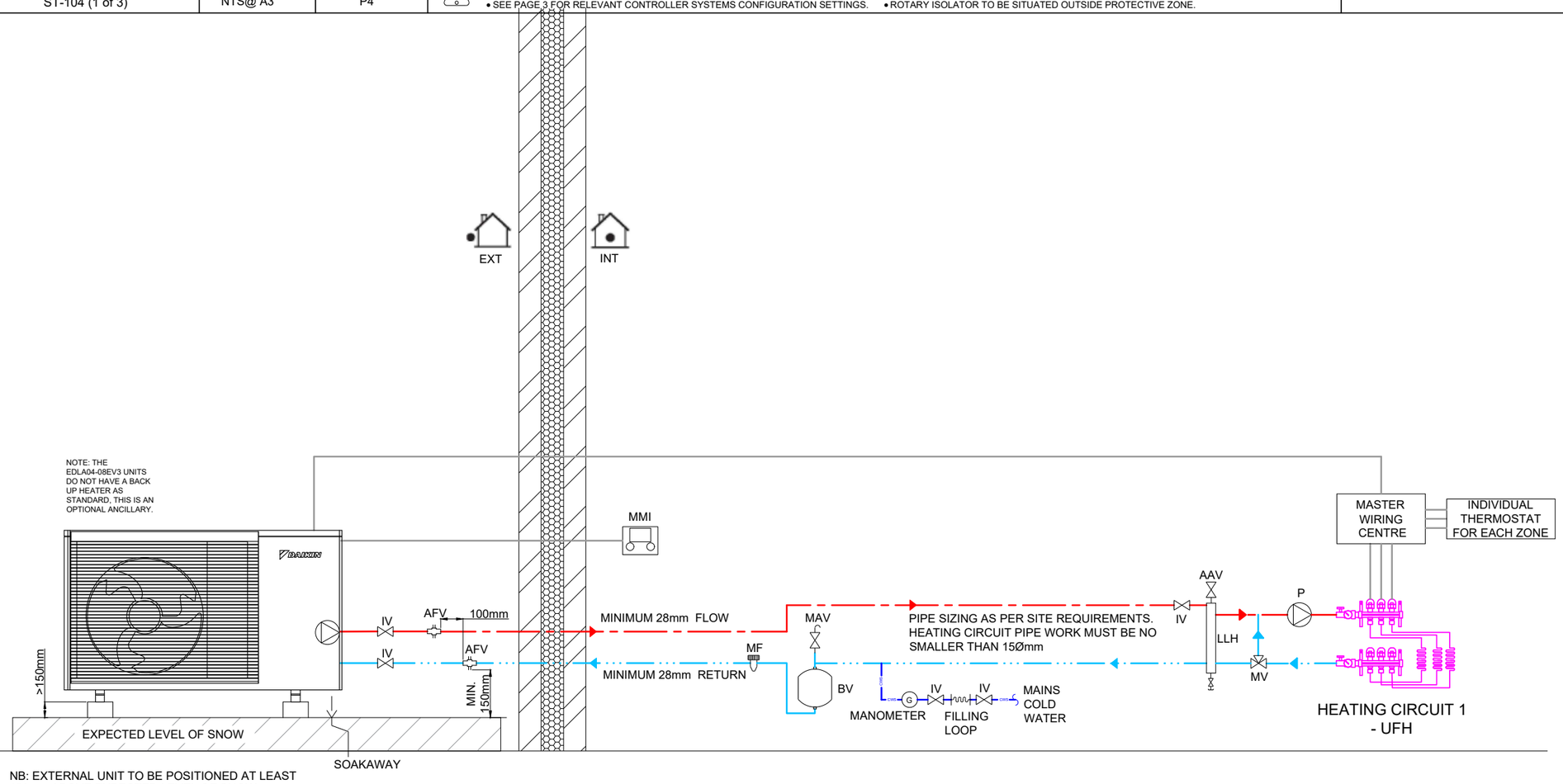
Drawing Number:	Scale:	Revision:
ST-104 (1 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

LEGEND

IV	ISOLATION VALVE
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
BPV	AUTOMATIC BYPASS
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
P	PUMP
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

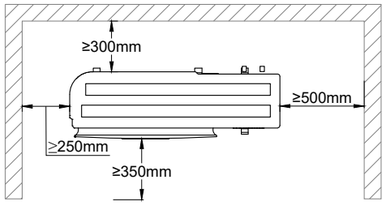
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	24.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc
EDLA 04-08 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

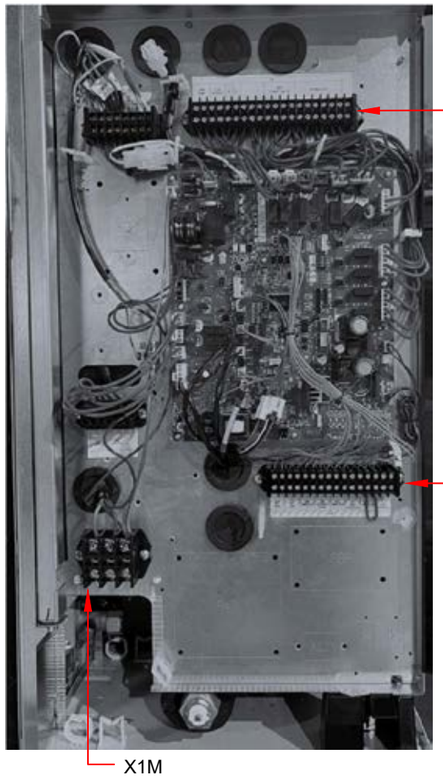
DAIKIN altherma

ST 104: EDLA Low Capacity Monobloc - UFH Only - **Electrical**

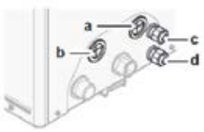
Drawing Number:	Scale:	Revision:
ST-104 (2 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

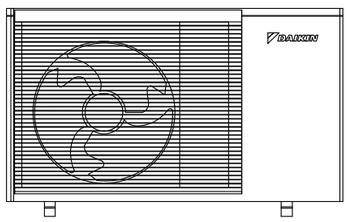
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



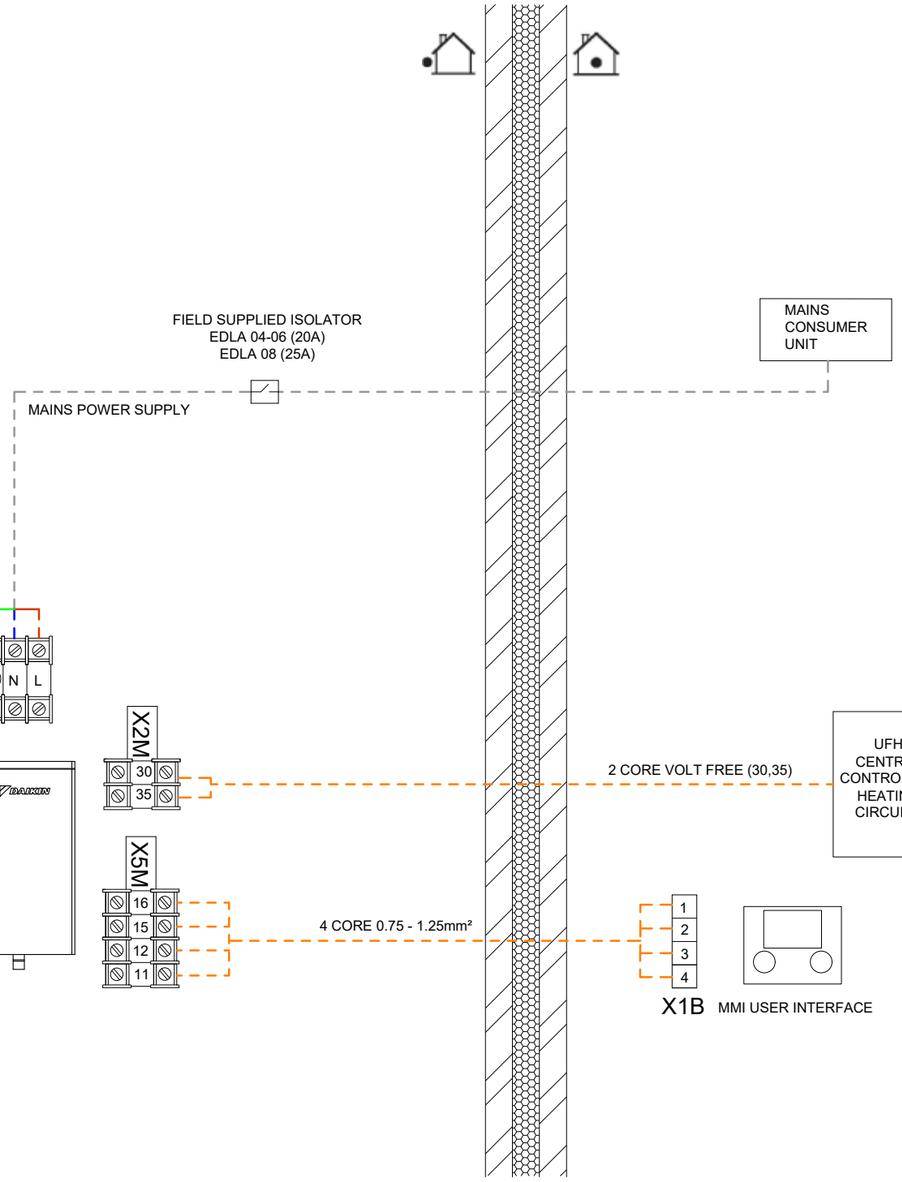
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	24.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 104: EDLA Low Capacity Monobloc - UFH Only - **Key data**

Drawing Number:	Scale:	Revision:
ST-104 (3 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	24.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status: PRELIMINARY

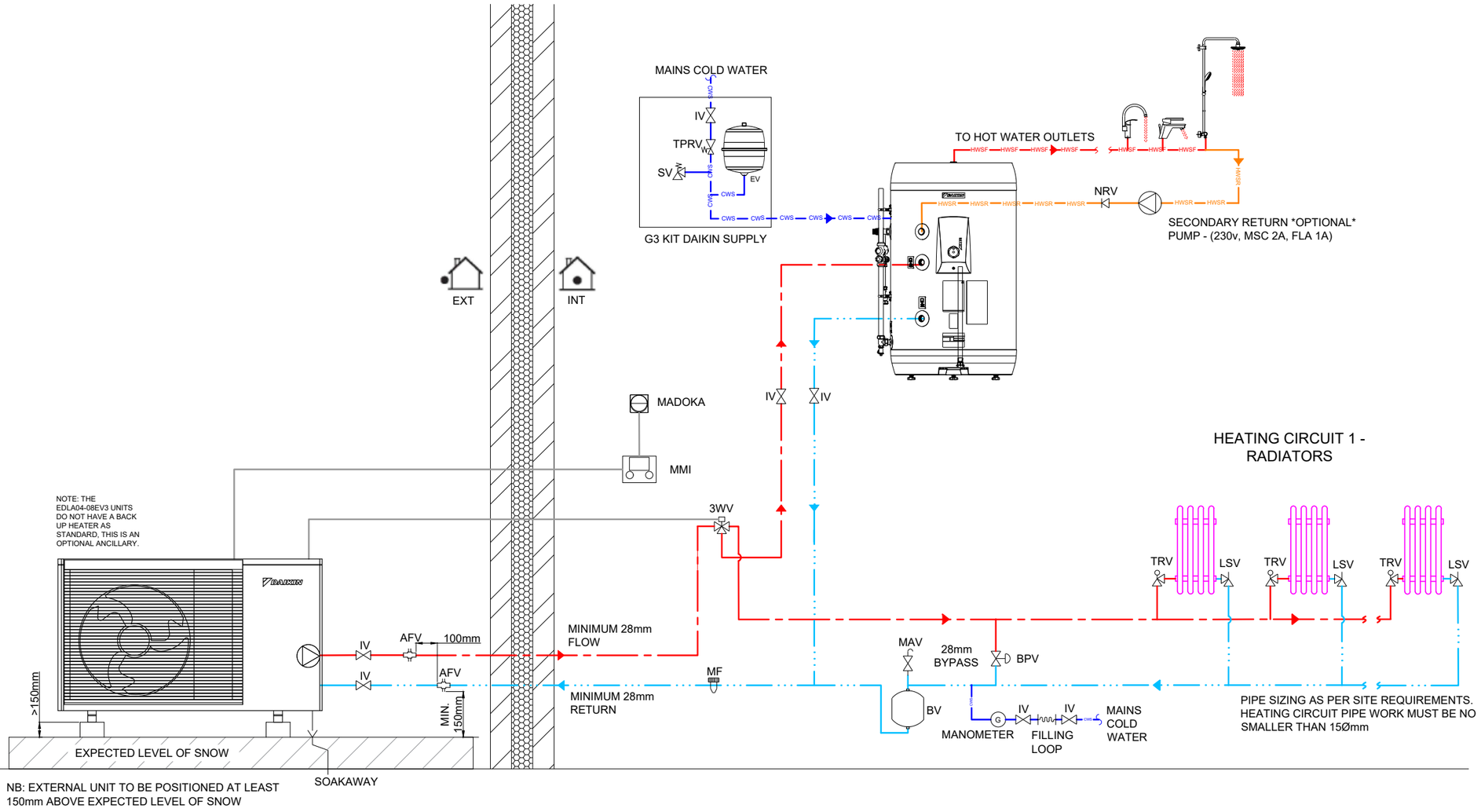
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 105: EDLA Low Capacity Monobloc - DHW & Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-105 (1 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

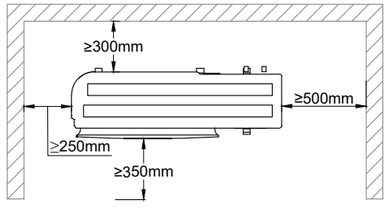
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

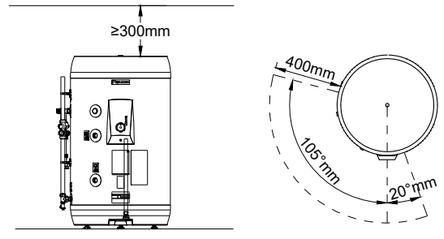
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc
EDLA 04-08 (1 PHASE)
DHW & RADIATORS

Drawing Status:
PRELIMINARY

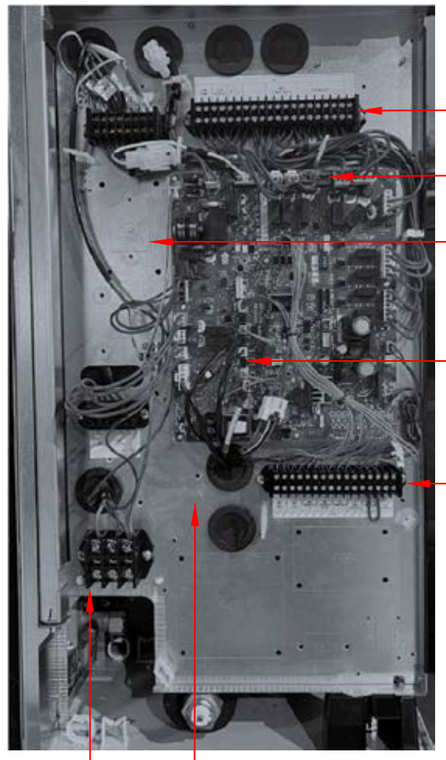
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

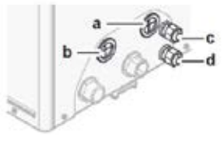
ST 105: EDLA Low Capacity Monobloc - DHW & Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-105 (2 of 3)	NTS@ A3	P4

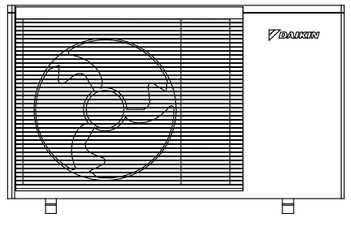
- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



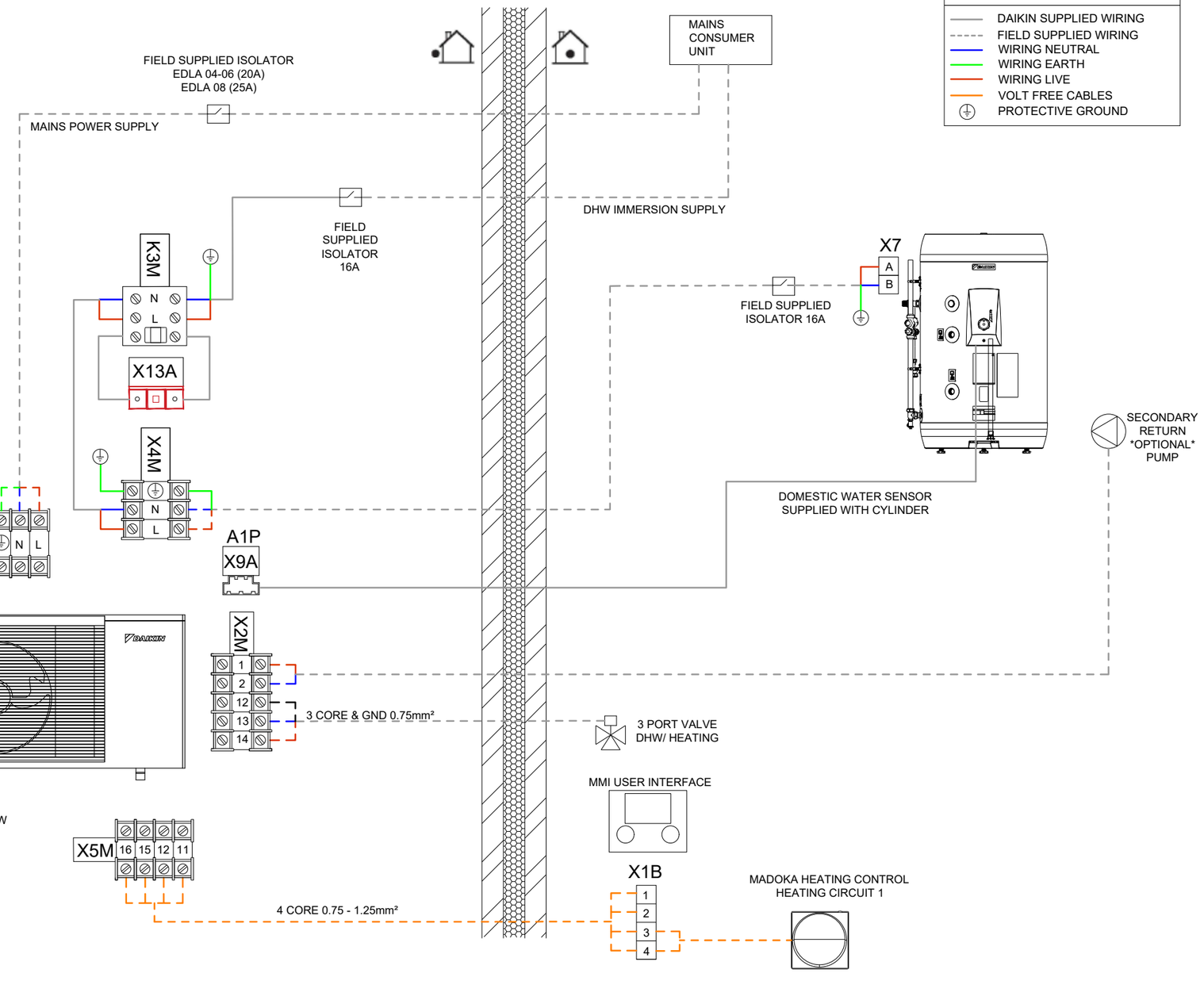
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing: Small MonoBloc
EDLA 04-08 (1 PHASE)
DHW & RADIATORS

Drawing Status: PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 105: EDLA Low Capacity Monobloc - DHW & Radiators - **Key data**

Drawing Number:	Scale:	Revision:
ST-105 (3 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	MIXING VALVE UPDATED	PBM	SB	25.03.24
P2	WIRING UPDATED	PBM	SB	7.09.23
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing: Small MonoBloc EDLA 04-08 (1 PHASE) DHW & RADIATORS

Drawing Status: PRELIMINARY

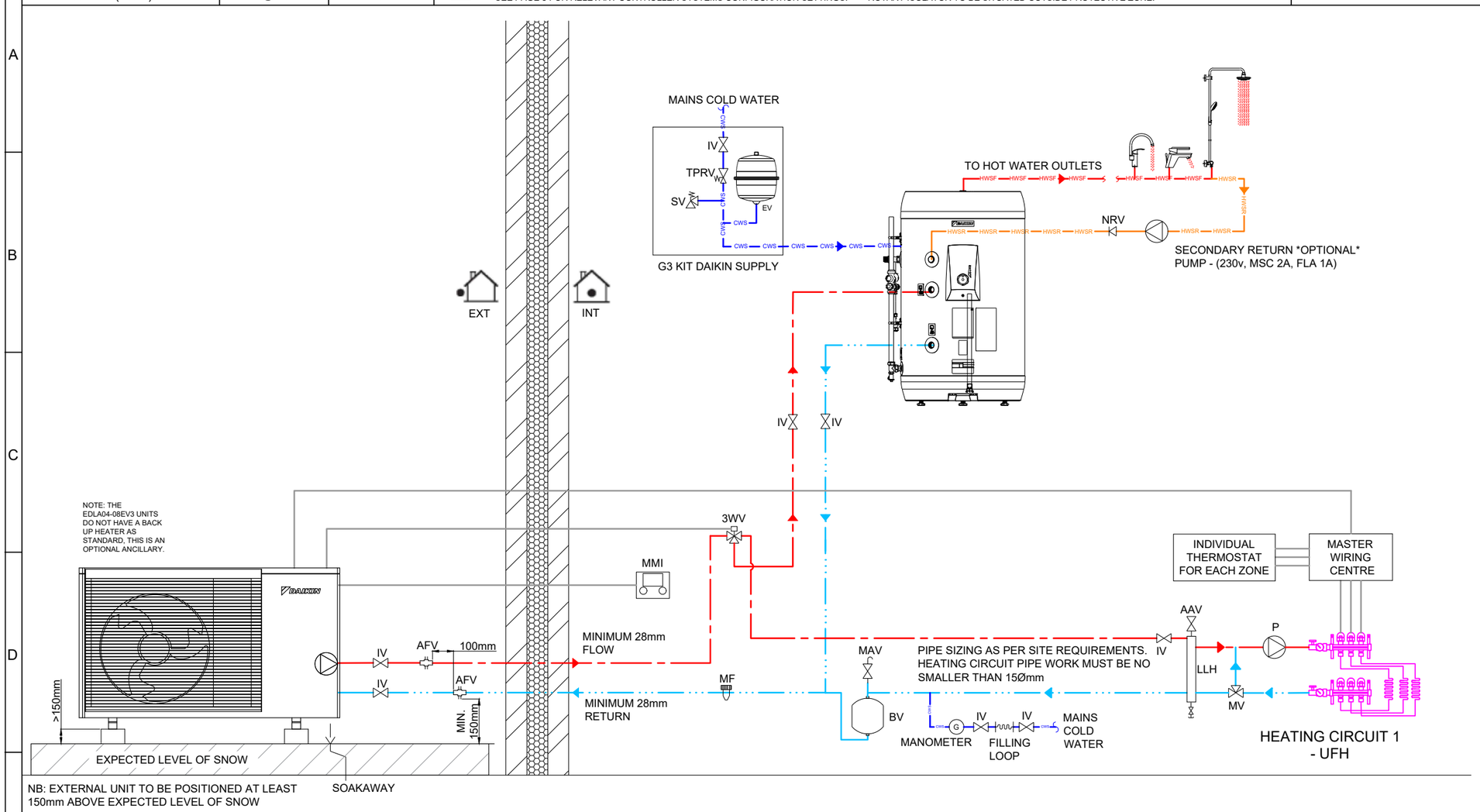
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

ST 106: EDLA Low Capacity Monobloc - Third Party Controls, DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-106 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

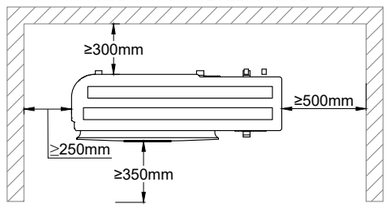
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

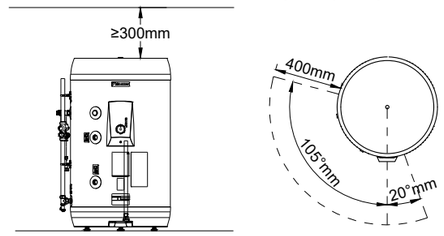
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)

THIRD PARTY CONTROLS

DHW & UFH

Drawing Status:
PRELIMINARY

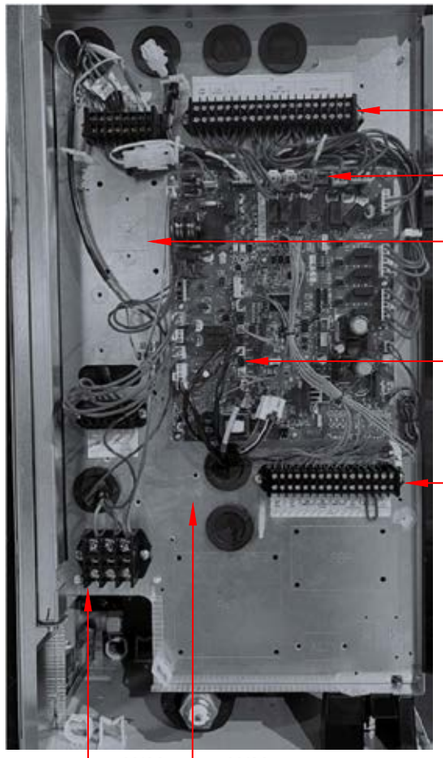
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

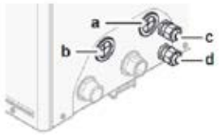
ST 106: EDLA Low Capacity Monobloc - Third Party Controls, DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-106 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

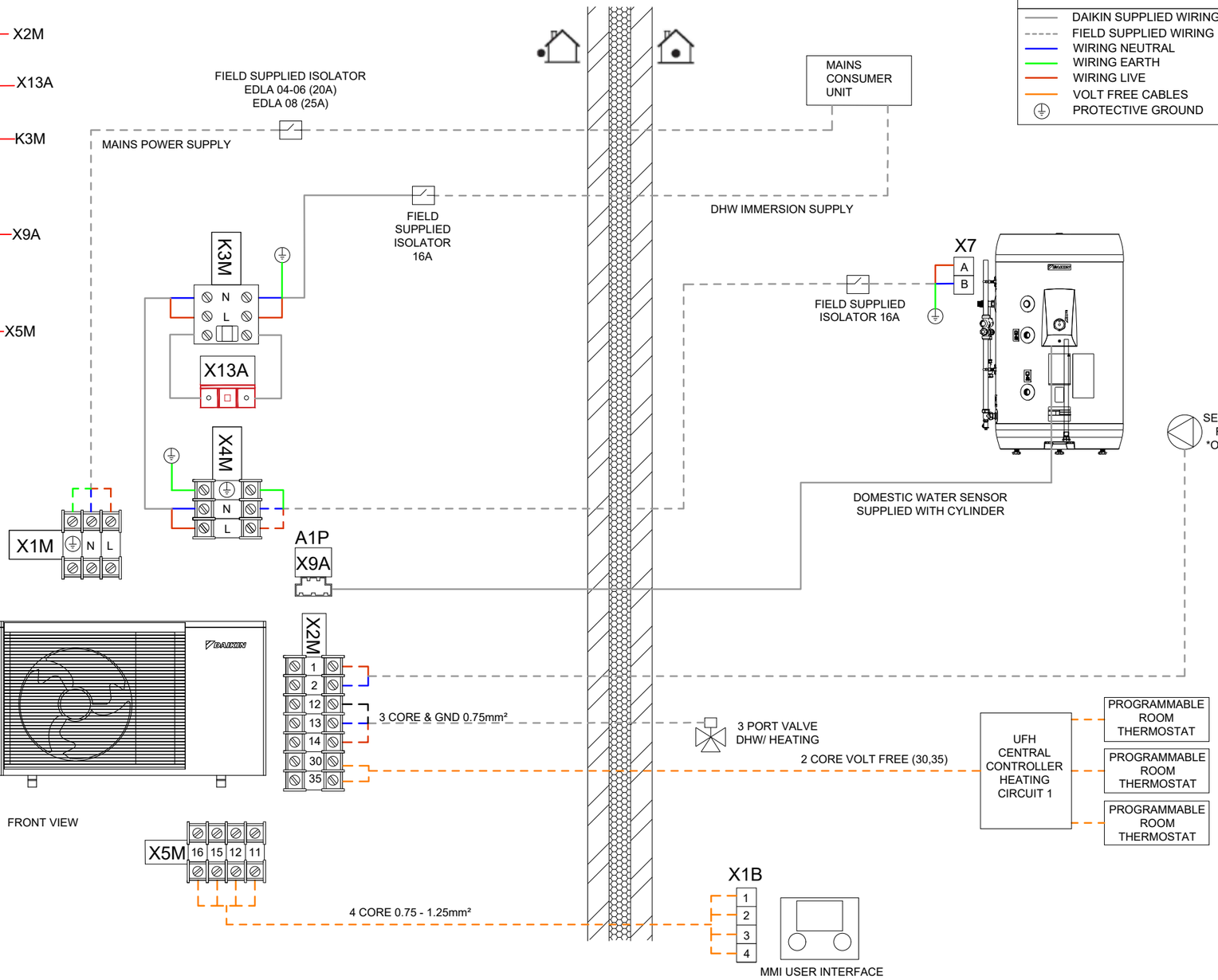


a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 106: EDLA Low Capacity Monobloc - Third Party Controls, DHW & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-106 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW & UFH

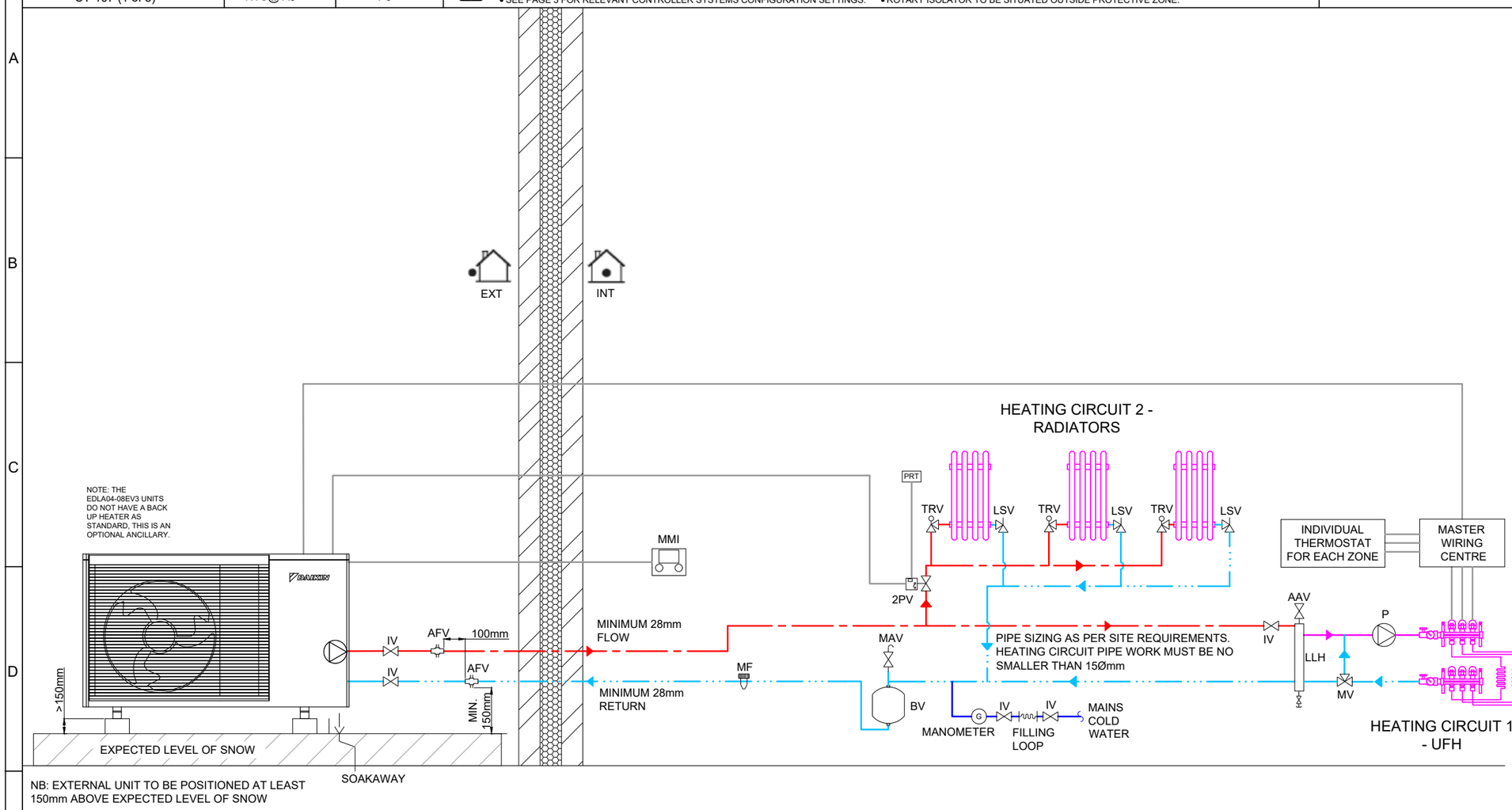
Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

ST 107: EDLA Low Capacity Monobloc - Third Party Controls, Radiator & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-107 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

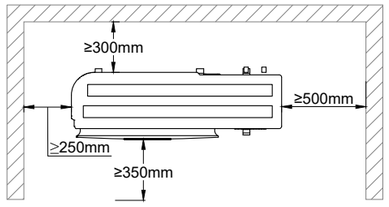
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	27.06.23

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

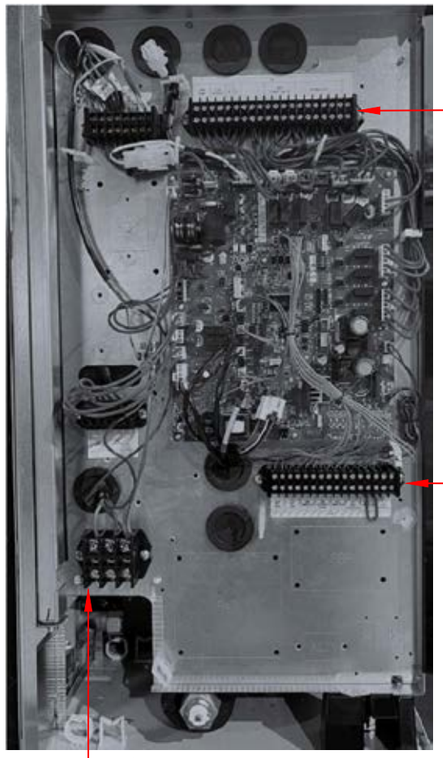
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

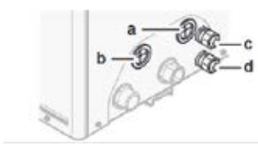
ST 107: EDLA Low Capacity Monobloc - Third Party Controls, Radiator & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-107 (2 of 3)	NTS@ A3	P3

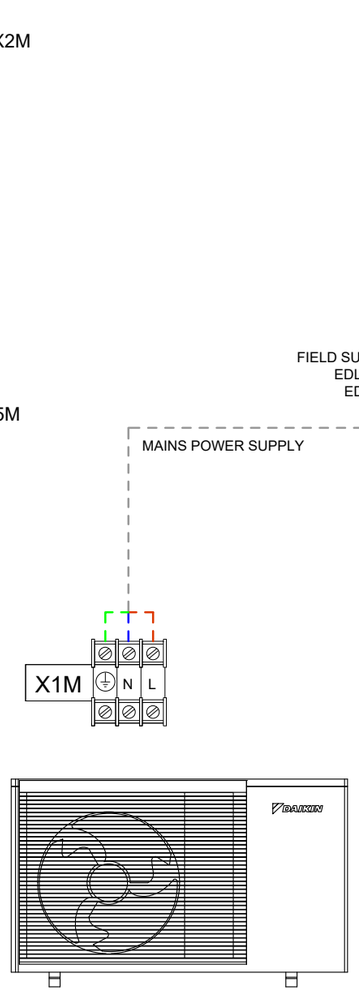
- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



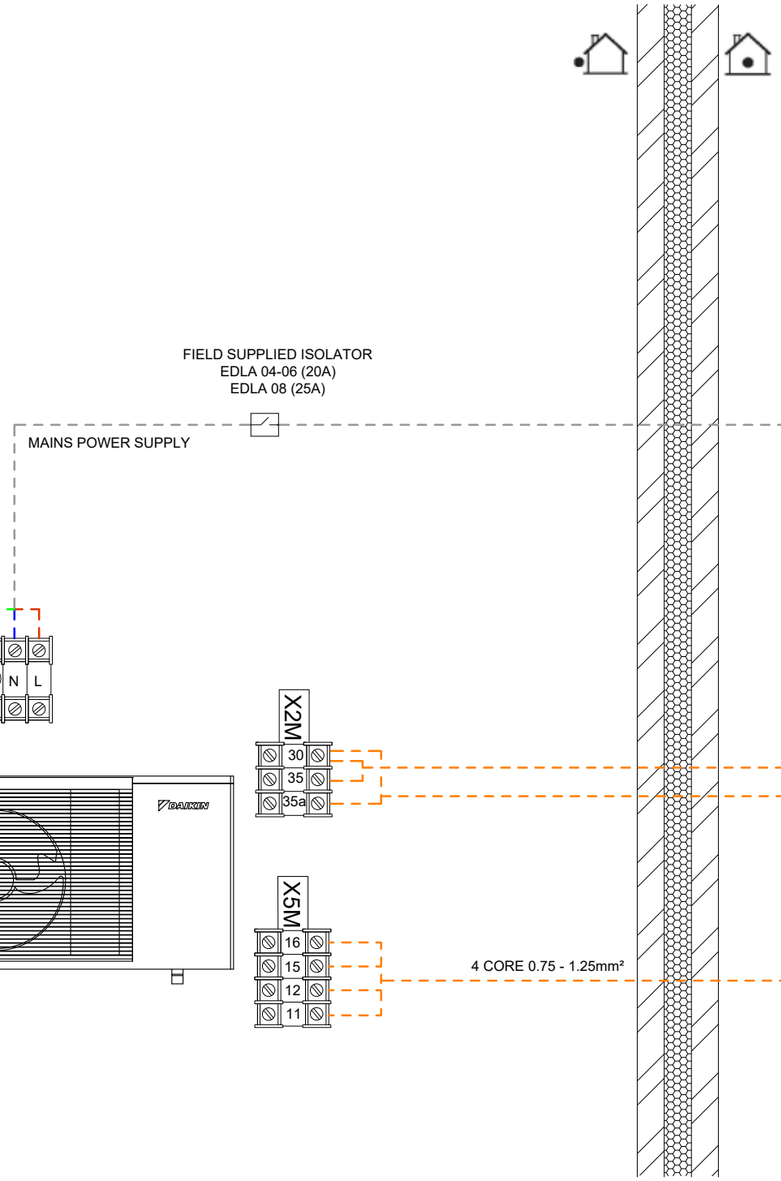
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	27.06.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 107: EDLA Low Capacity Monobloc - Third Party Controls, Radiator & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-107 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF	THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...	
PREHEATING ON THE TANK IS POSSIBLE	0ltrs
PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT	10ltrs
PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...	
THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	27.06.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

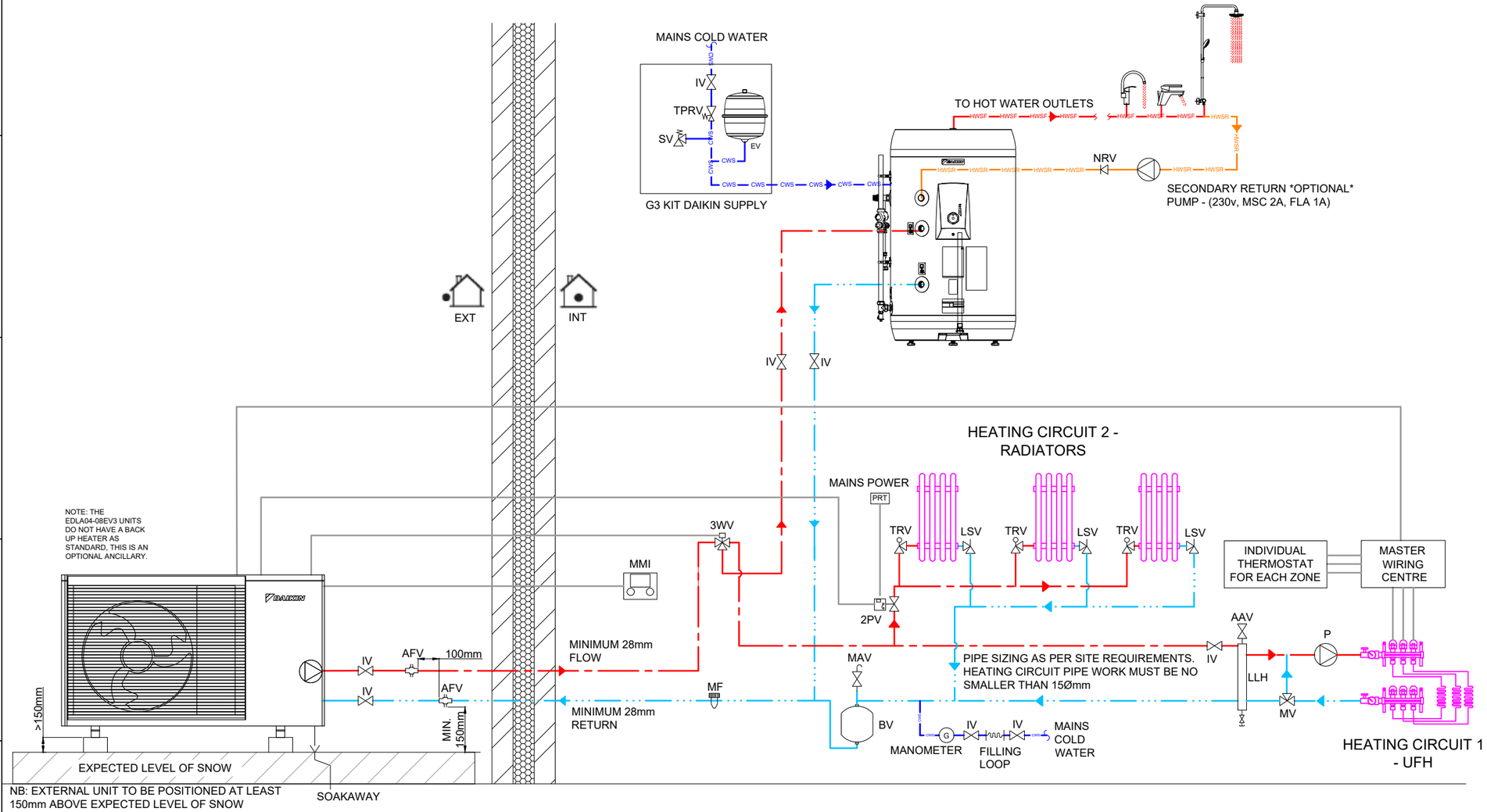
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

ST 108: EDLA Low Capacity Monobloc - Third Party Controls, DHW, Radiator & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-108 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

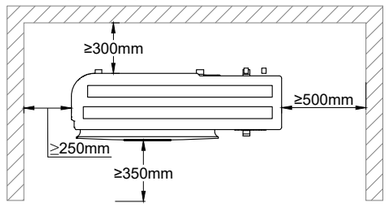
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

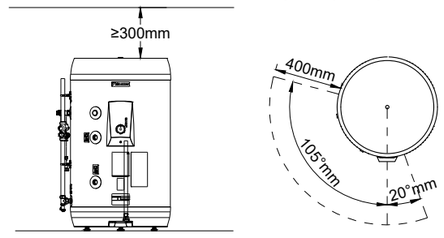
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)

THIRD PARTY CONTROLS

DHW, RADIATOR & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

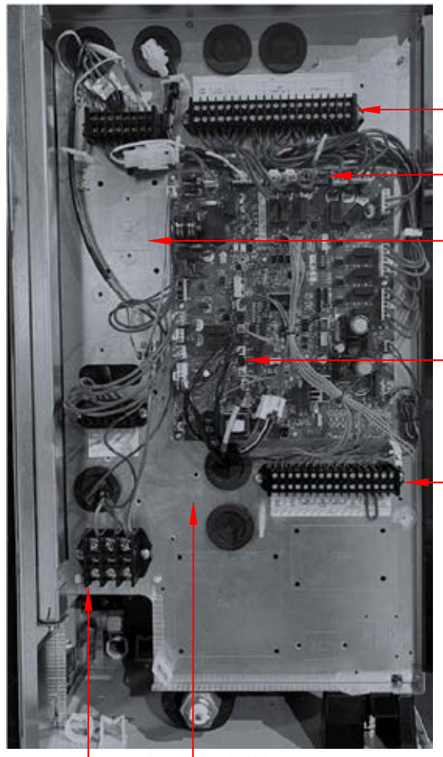
DAIKIN altherma

ST 108: EDLA Low Capacity Monobloc - Third Party Controls, DHW, Radiator & UFH - **Electrical**

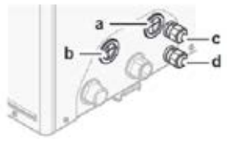
Drawing Number:	Scale:	Revision:
ST-108 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

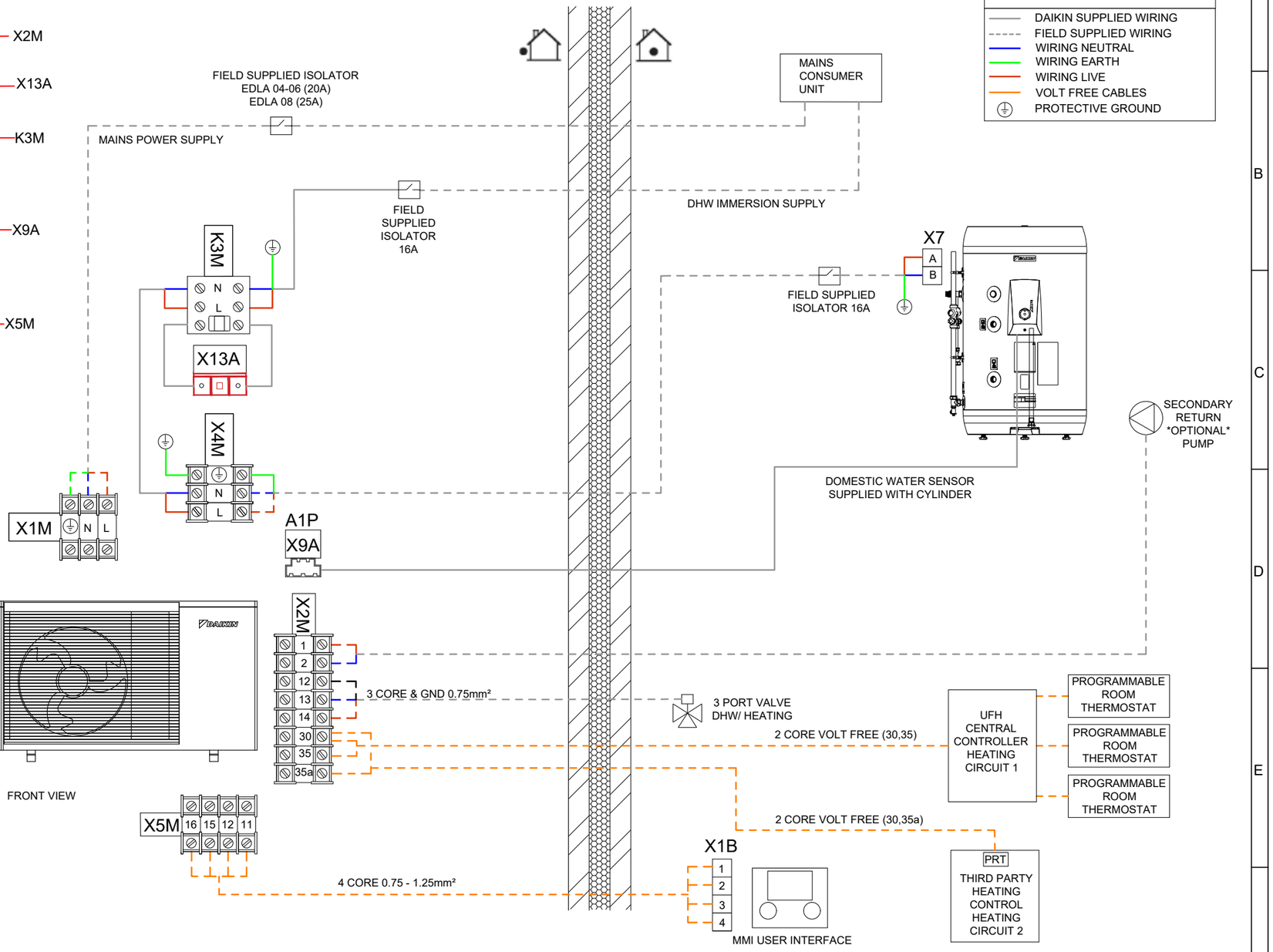


a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	27.06.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW, RADIATOR & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 108: EDLA Low Capacity Monobloc - Third Party Controls, DHW, Radiator & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-108 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

UNBOXING SMALL MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	25.03.24
P1	PRELIMINARY ISSUE	PBM	SB	27.06.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW, RADIATOR & UFH

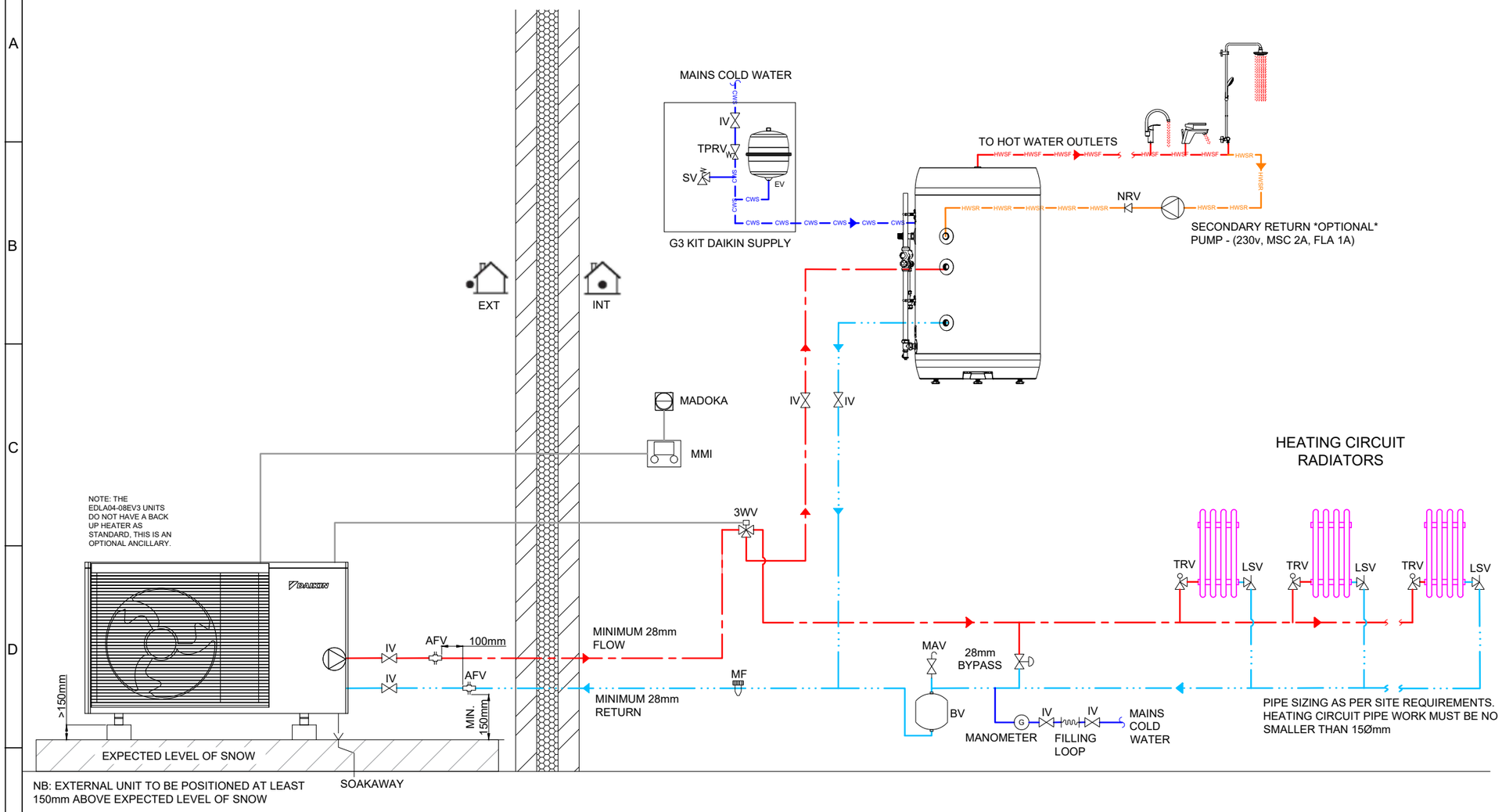
Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

ST 114: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-114 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

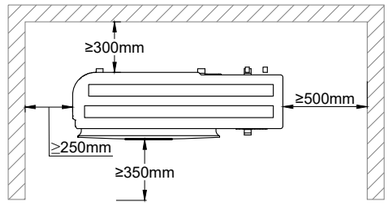
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER
DHW & RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

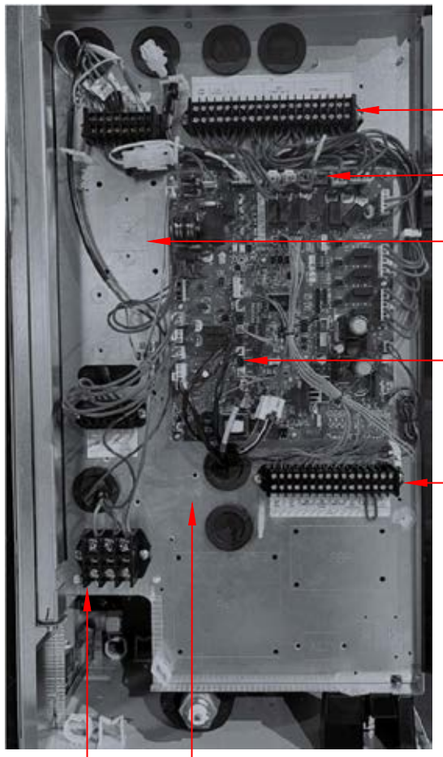
DAIKIN altherma

ST 114: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & Radiators - **Electrical**

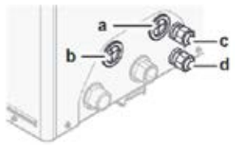
Drawing Number:	Scale:	Revision:
ST-114 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

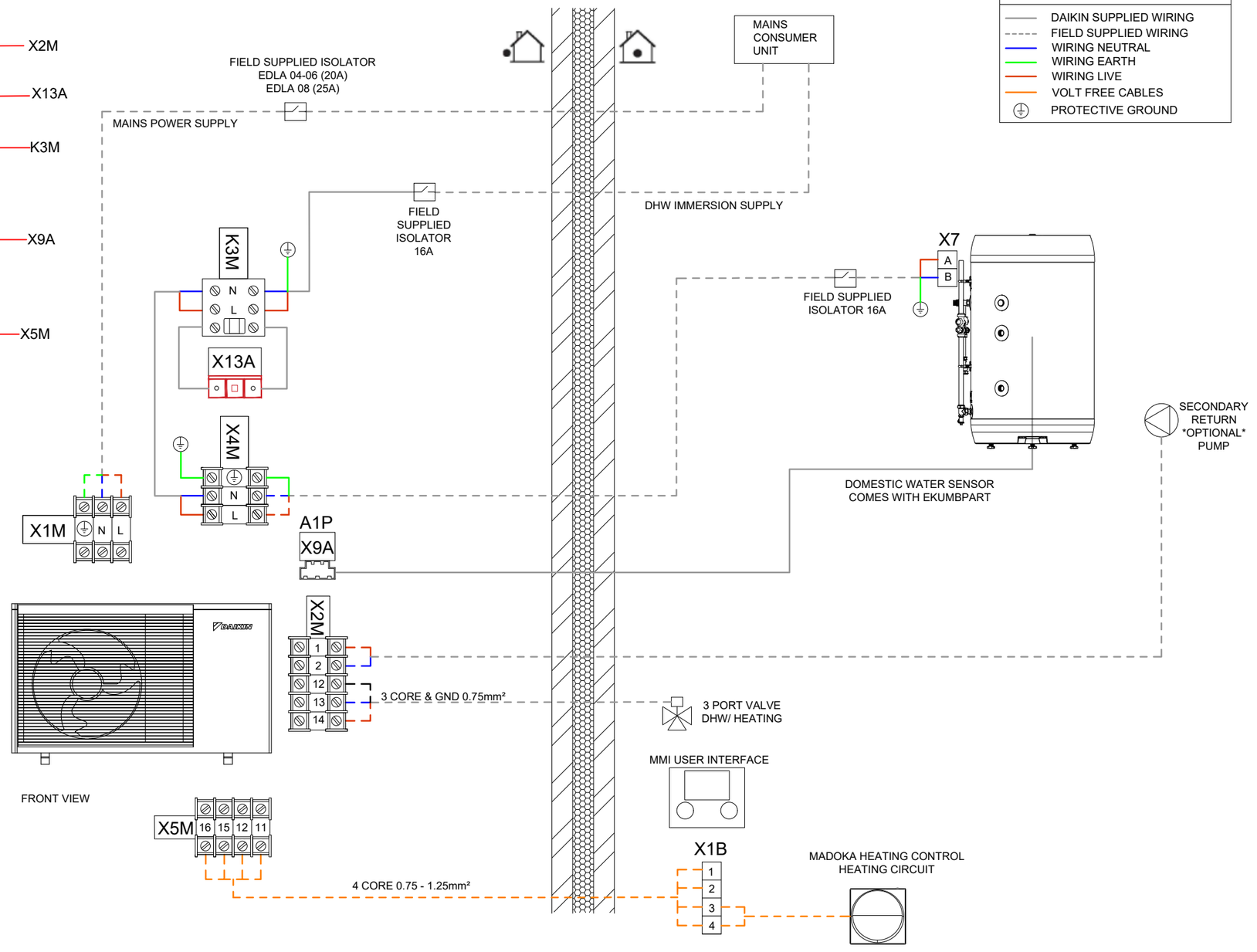
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER
DHW & RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 114: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-114 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- After removing the air, automatic air vent(s) must be open.
- If Glycol is being added to the system then Anti-Freeze valves must NOT be installed however, additional flow switch (EKFLSW2) must be purchase and installed in the unit.
- Isolation valves and flushing bypass circuit are recommended for the outdoor unit. Flow isolation valve required on outdoor unit (supplied by others). DO NOT pressure test or flush through the Daikin UK equipment.
- All electrical works must be carried out in accordance with the current version of BS7671 and any local legislation's.
- Earth leakage detection device is required, this must be inverter tolerant and rated at 30mA.
- **For additional information please refer to the INSTALLER REFERENCE GUIDE (IRG downloadable from Daikin UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	12.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER
DHW & RADIATORS

Drawing Status:
PRELIMINARY

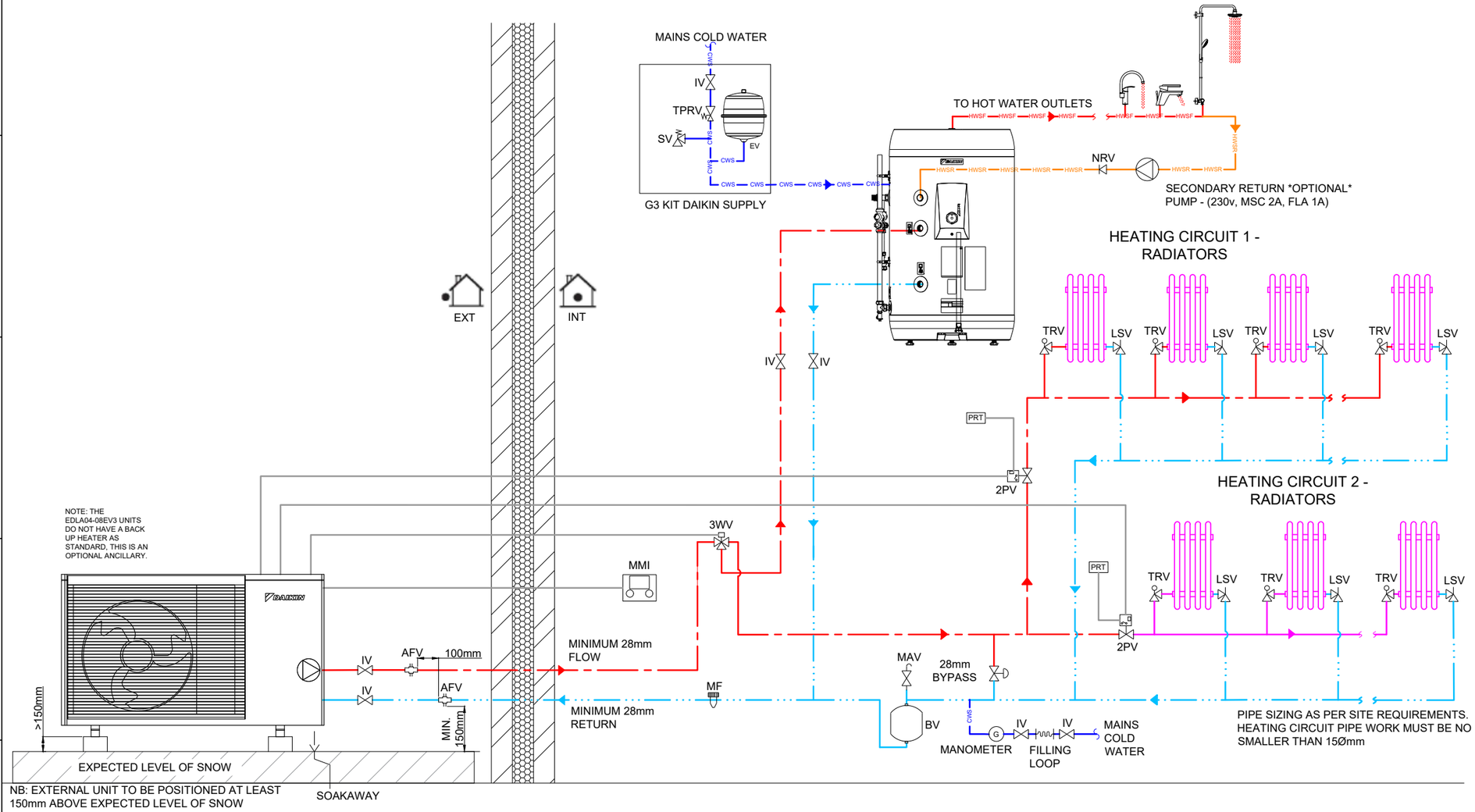
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 119: EDLA Low Capacity Monobloc - Third Party Controls, DHW & 2 Zone Radiator Circuit - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-119 (1 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

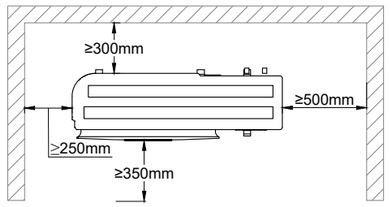
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

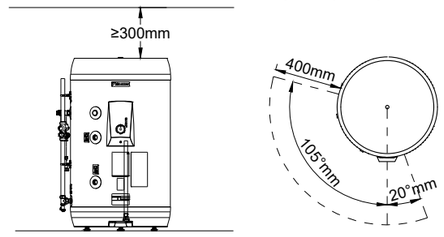
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	25.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)

THIRD PARTY CONTROLS

DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

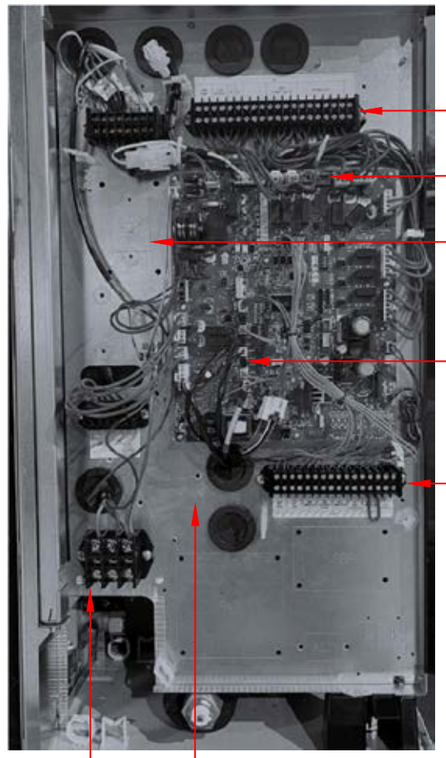
DAIKIN altherma

ST 119: EDLA Low Capacity Monobloc - Third Party Controls, DHW & 2 Zone Radiator Circuit - **Electrical**

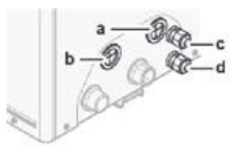
Drawing Number:	Scale:	Revision:
ST-119 (2 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

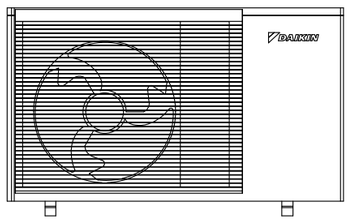
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



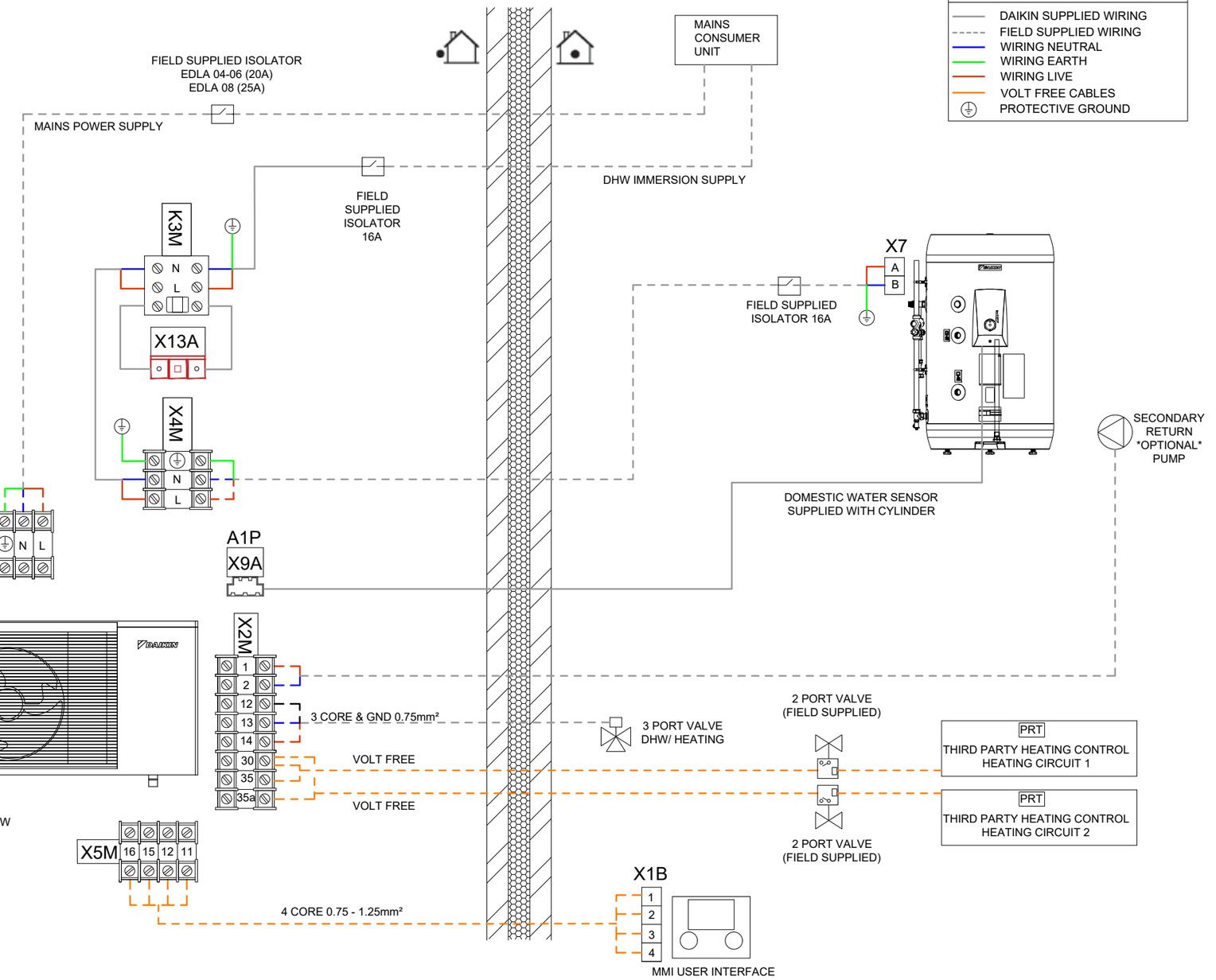
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	25.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 119: EDLA Low Capacity Monobloc - Third Party Controls, DHW & 2 Zone Radiator Circuit - **Key Data**

Drawing Number:	Scale:	Revision:
ST-119 (3 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	25.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CONTROLS
DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

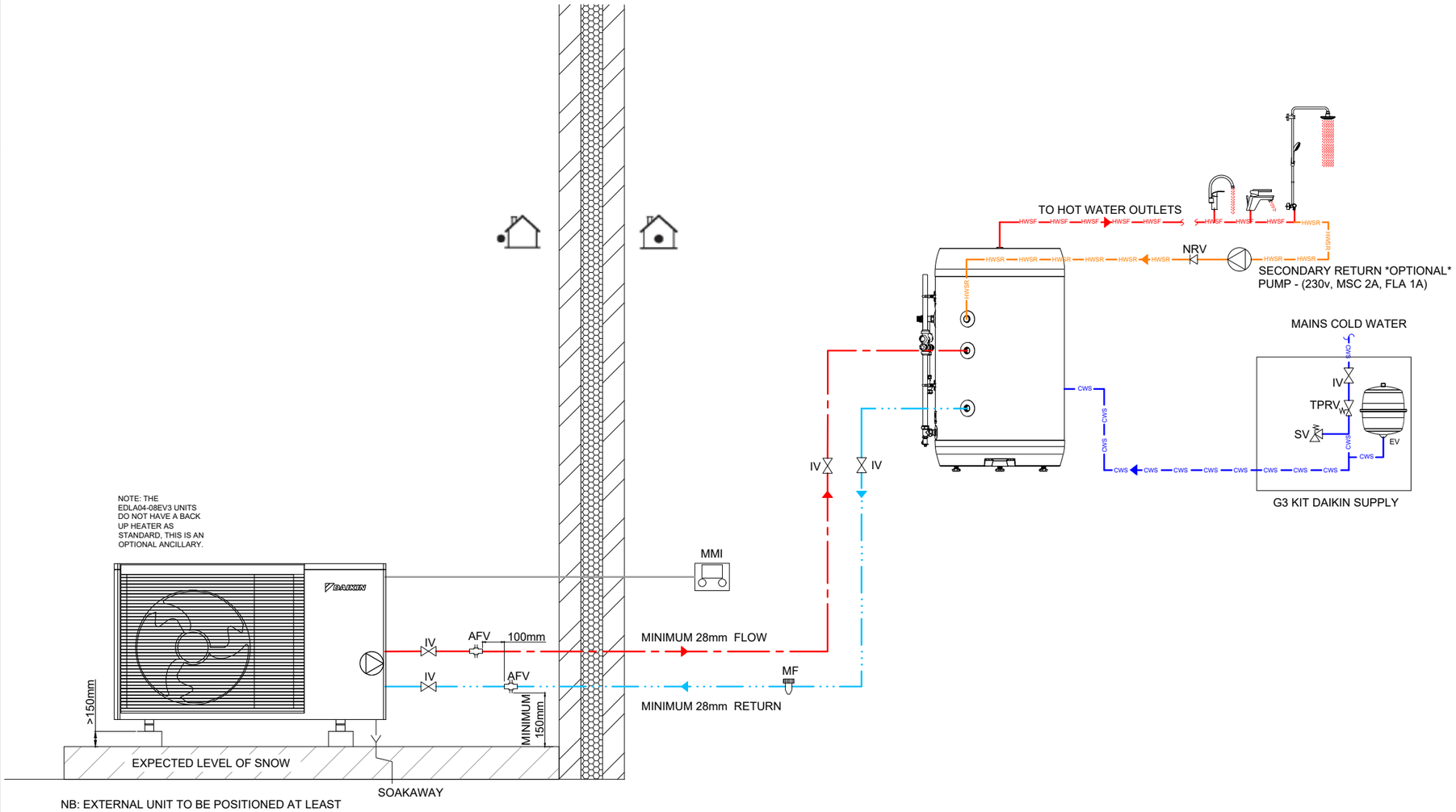
DAIKIN altherma

ST 160: EDLA Low Capacity Monobloc - Third Party Cylinder & DHW - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-160 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

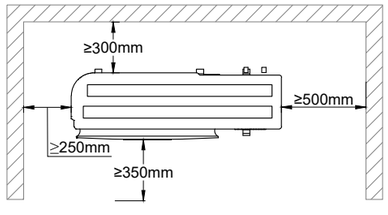
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	24.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

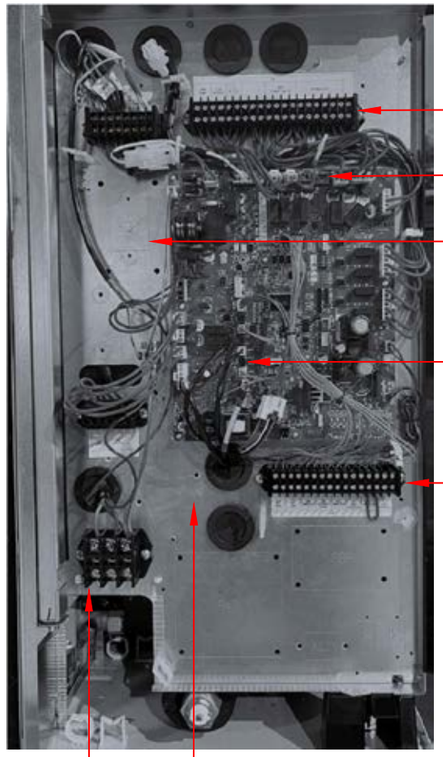
DAIKIN altherma

ST 160: EDLA Low Capacity Monobloc - Third Party Cylinder & DHW - **Electrical**

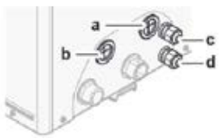
Drawing Number:	Scale:	Revision:
ST-160 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

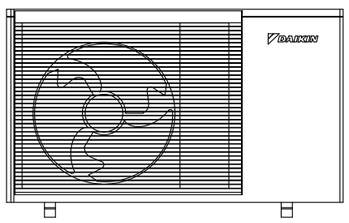
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



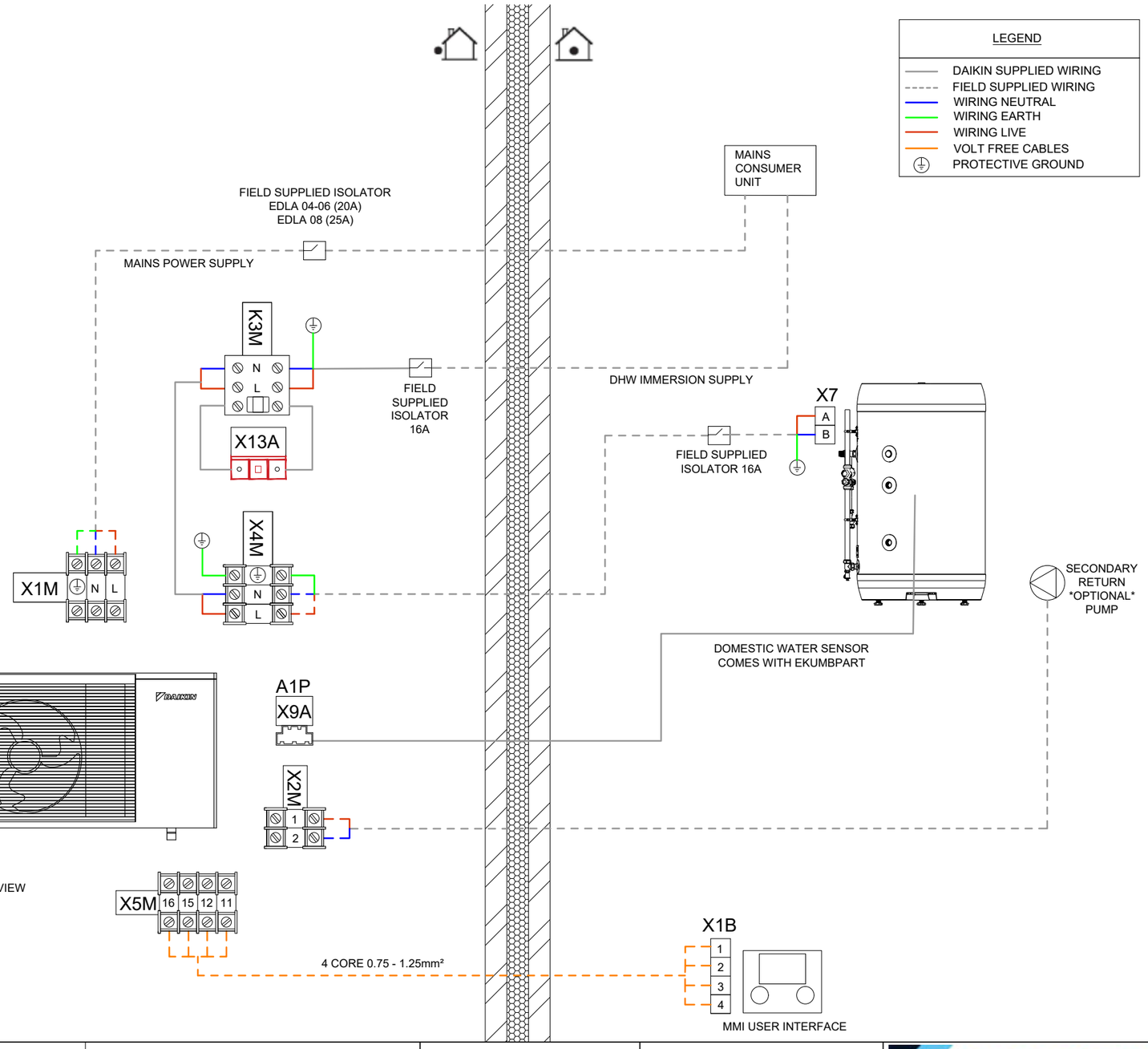
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	24.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 160: EDLA Low Capacity Monobloc - Third Party Cylinder & DHW - **Key Data**

Drawing Number:	Scale:	Revision:
ST-160 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
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Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	24.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 162: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-162 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
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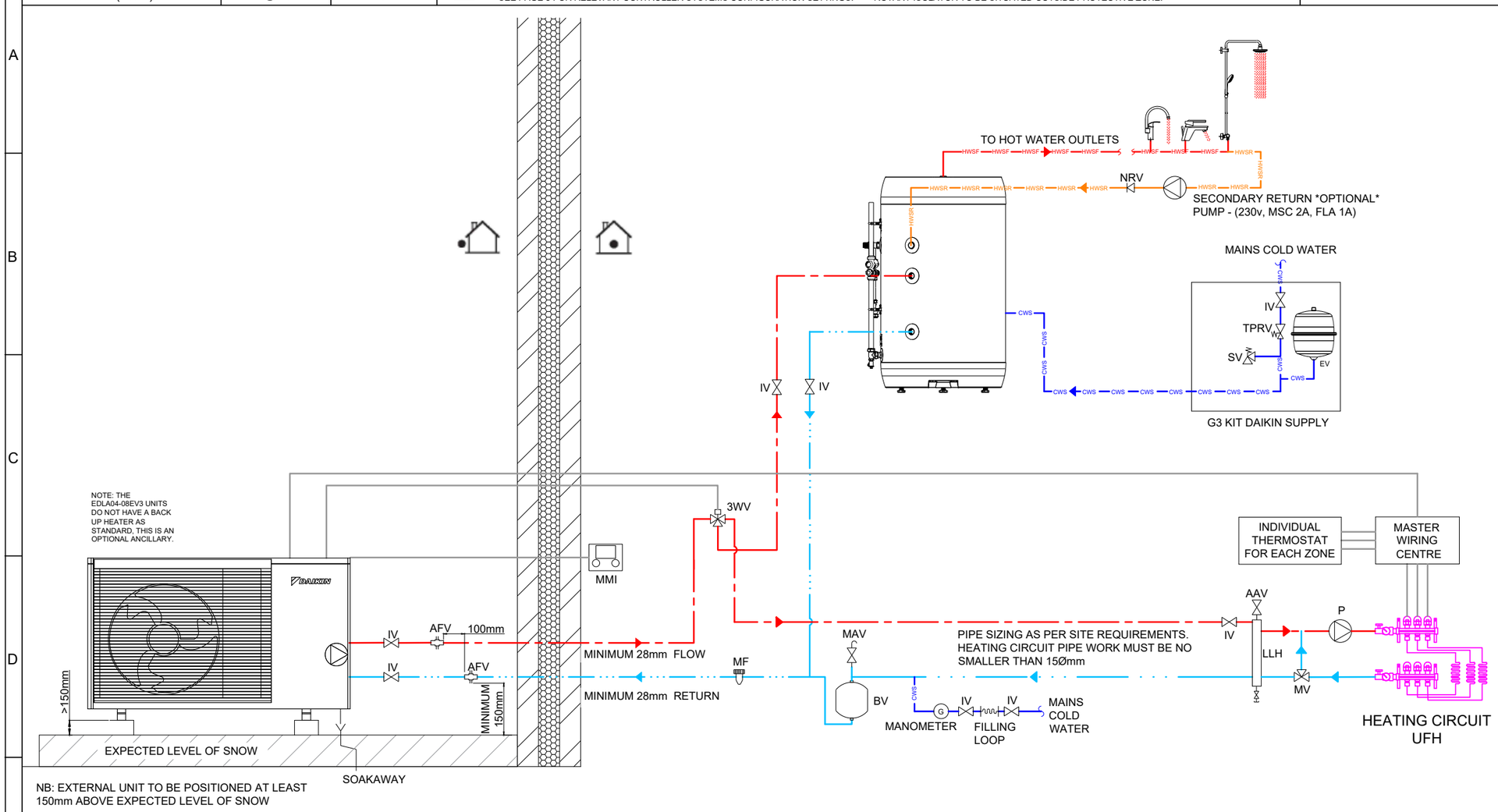
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
BPV	AUTOMATIC BYPASS
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
LLH	LOW LOSS HEADER
AAV	AUTOMATIC AIR VENT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

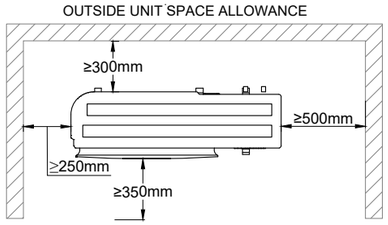
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 162: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-162 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

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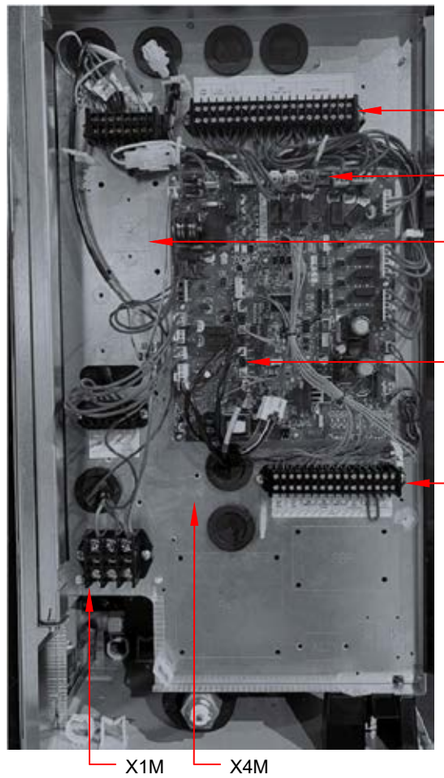
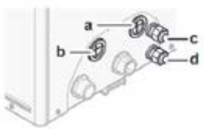
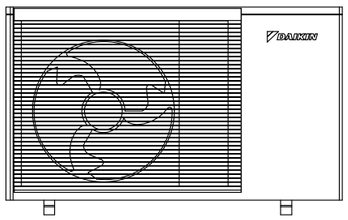


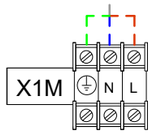
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY

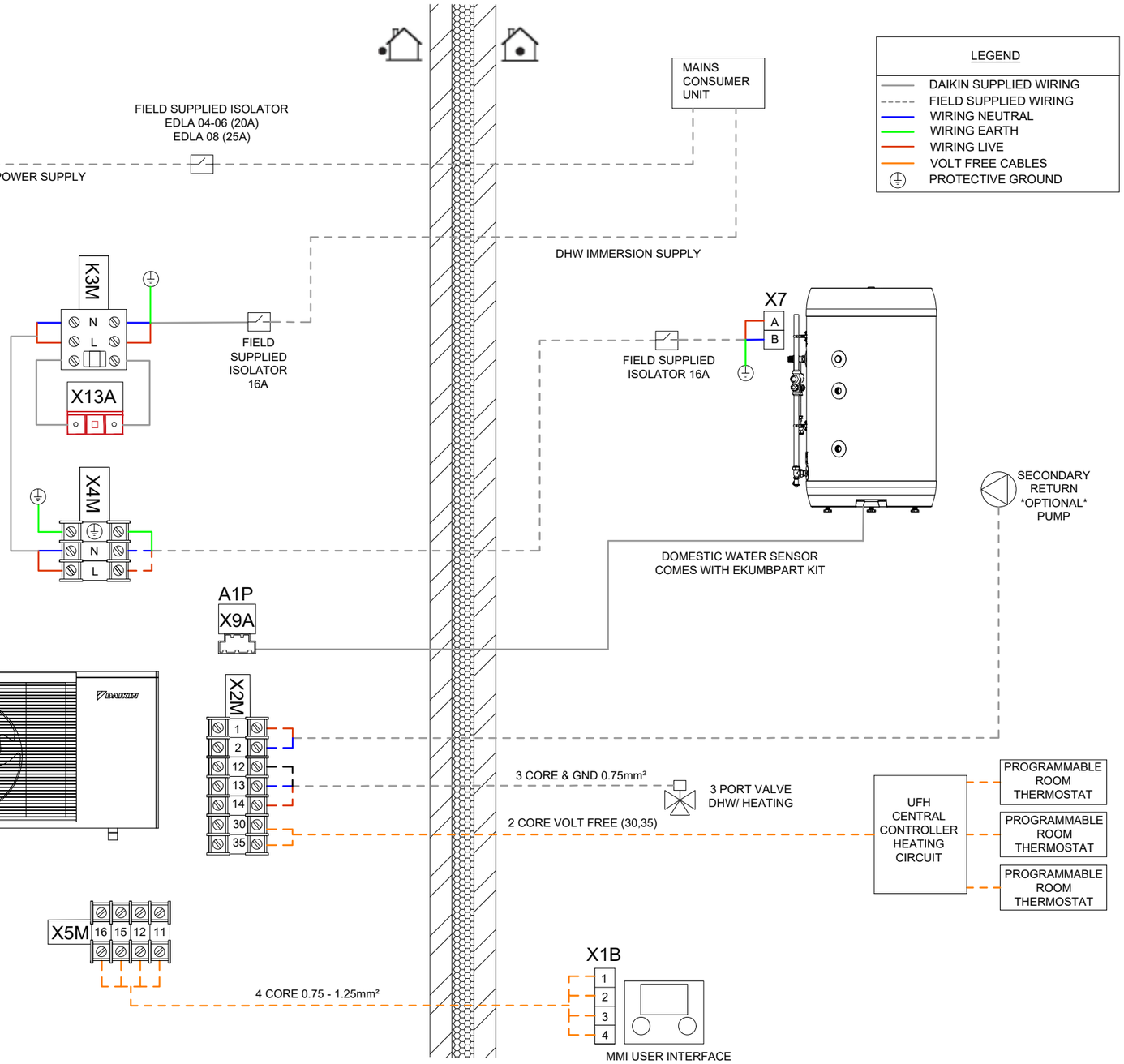


REAR VIEW



FRONT VIEW





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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 162: EDLA Low Capacity Monobloc - Third Party Cylinder, DHW & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-162 (3 of 3)	NTS@ A3	P3

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FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	24.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

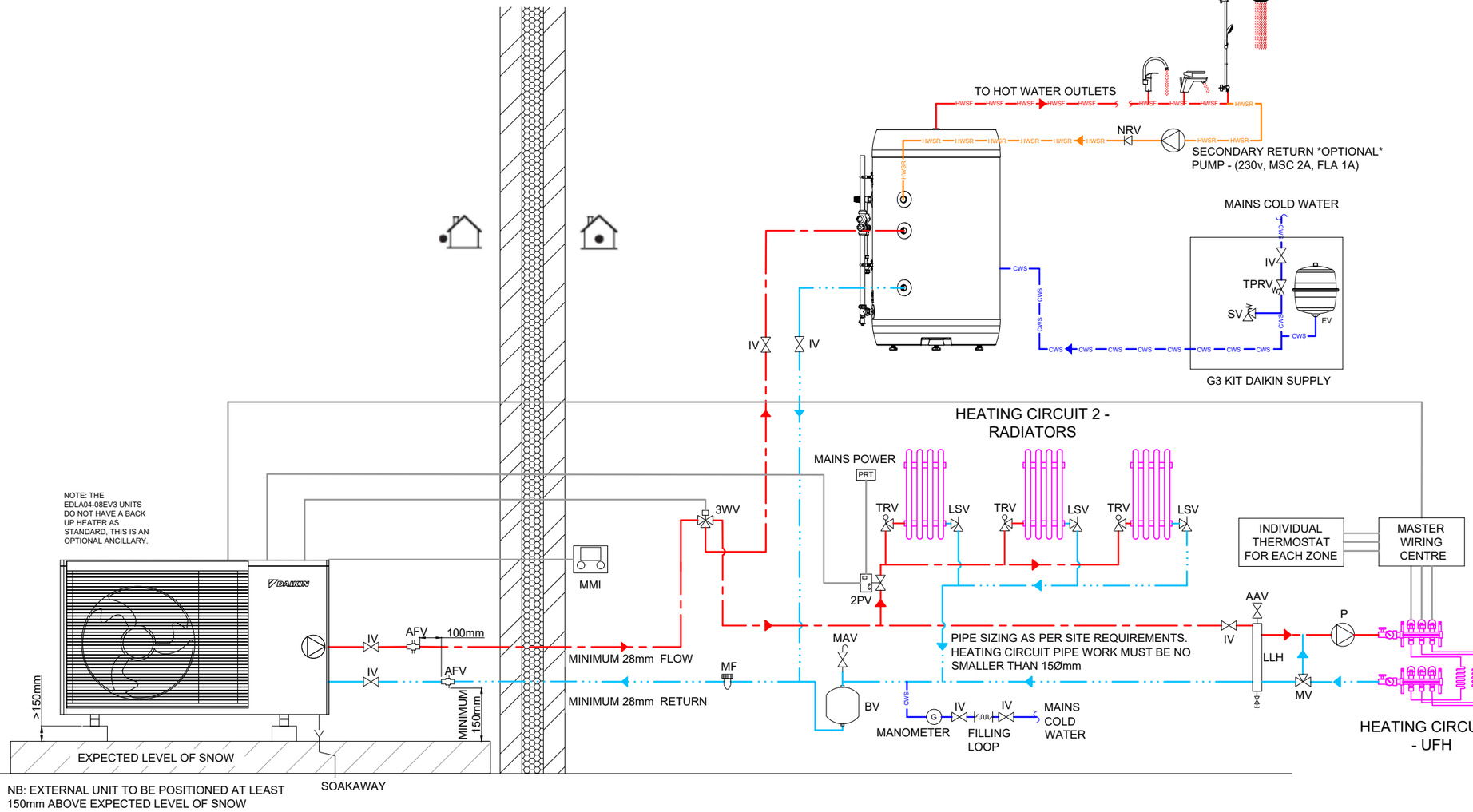
DAIKIN altherma

ST 165: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW, Radiators and UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-165 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
AAV	AUTOMATIC AIR VENT
2PV	2 PORT MOTORISED VALVE
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

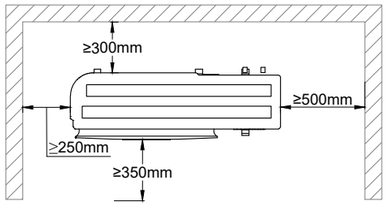
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 165: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW, Radiators and UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-165 (2 of 3)	NTS@ A3	P3

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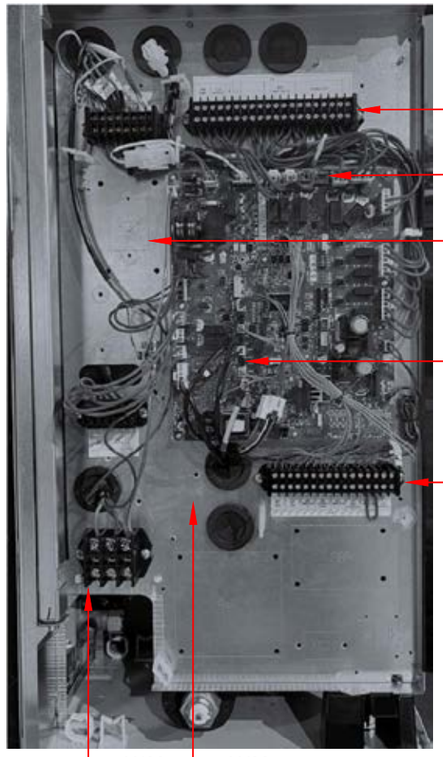
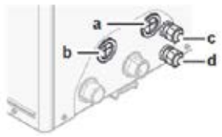
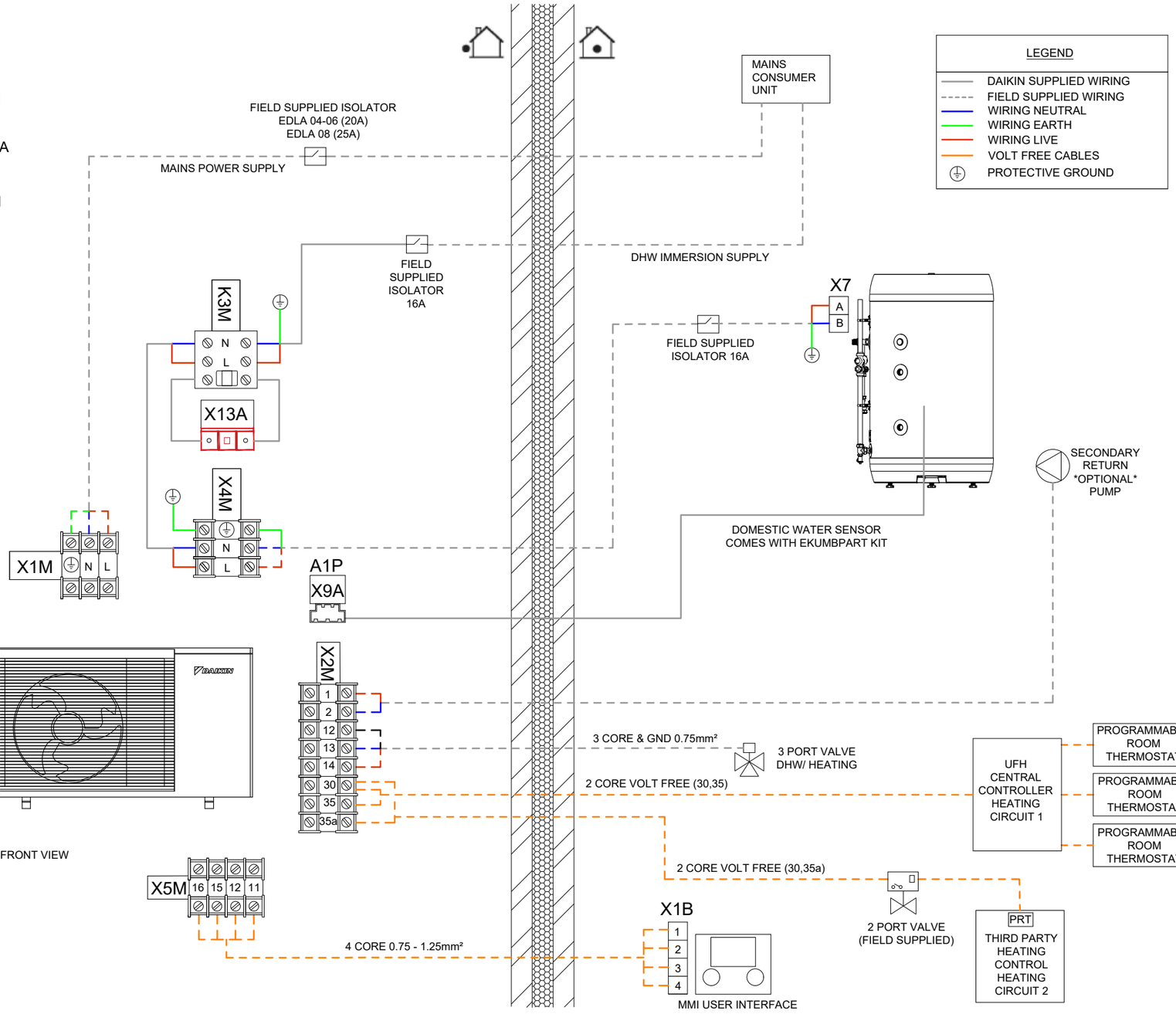


a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 165: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW, Radiators and UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-165 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
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FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
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	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
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NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
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Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
Small MonoBloc EDLA (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 167: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-167 (1 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
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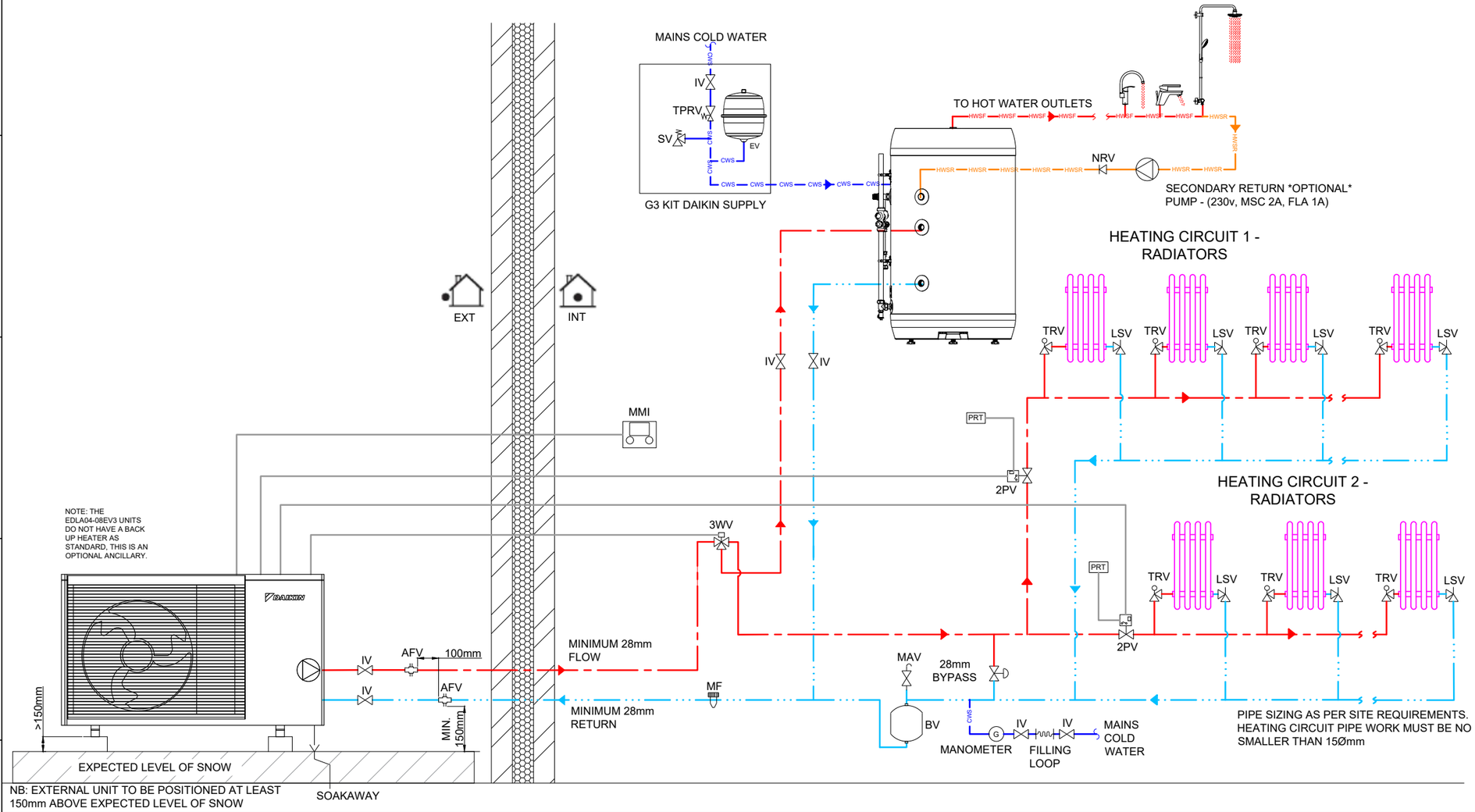

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
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MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

FLOOR STANDING:

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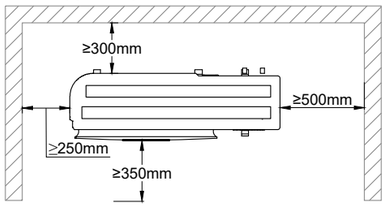
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 167: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Electrical**

Drawing Number:	Scale:	Revision:
ST-167 (2 of 3)	NTS@ A3	P1

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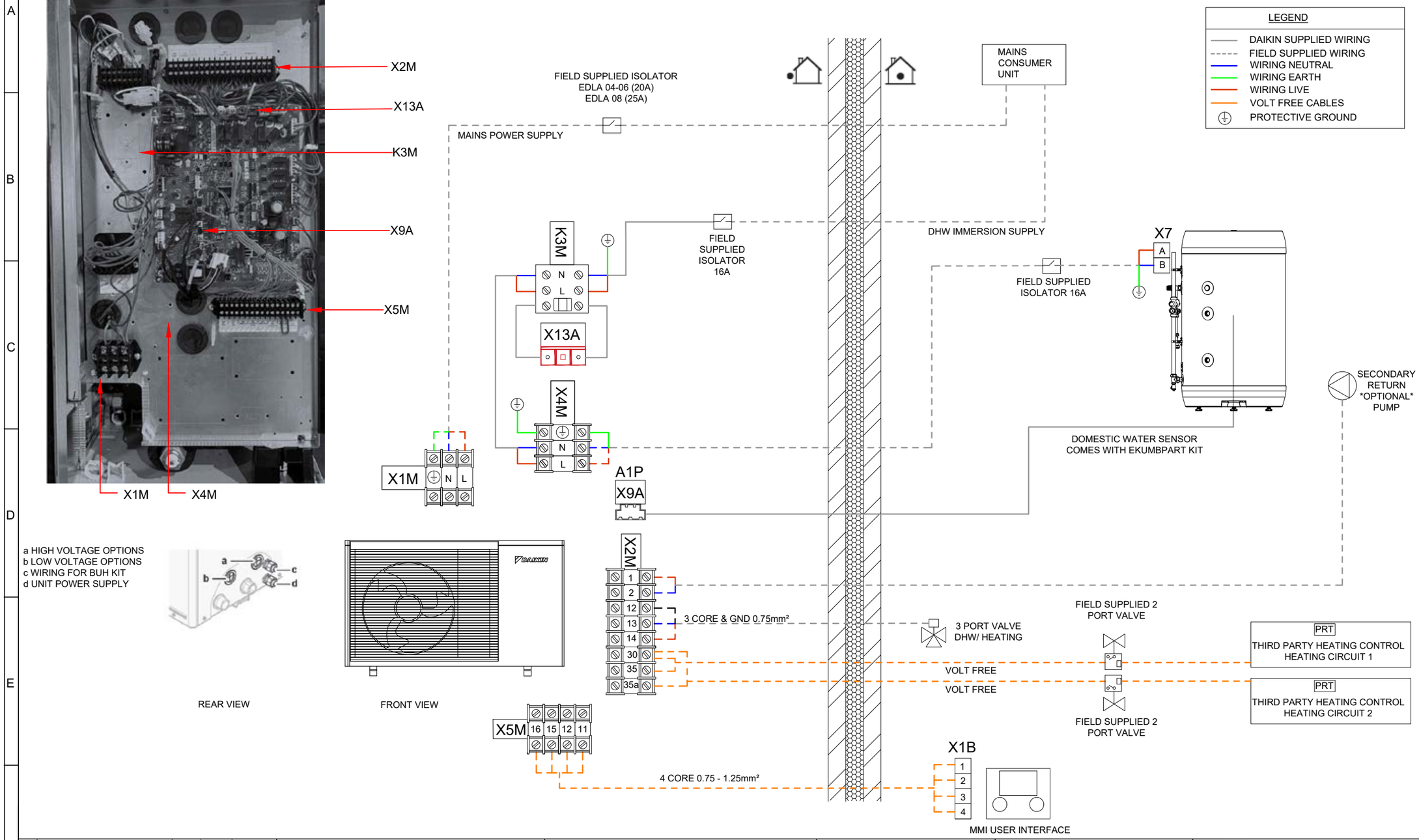

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DAIKIN altherma

ST 167: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Key Data**

Drawing Number:	Scale:	Revision:
ST-167 (3 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P1	PRELIMINARY ISSUE	PBM	SB	25.09.2024

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing:
Small MonoBloc EDLA 04-8 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

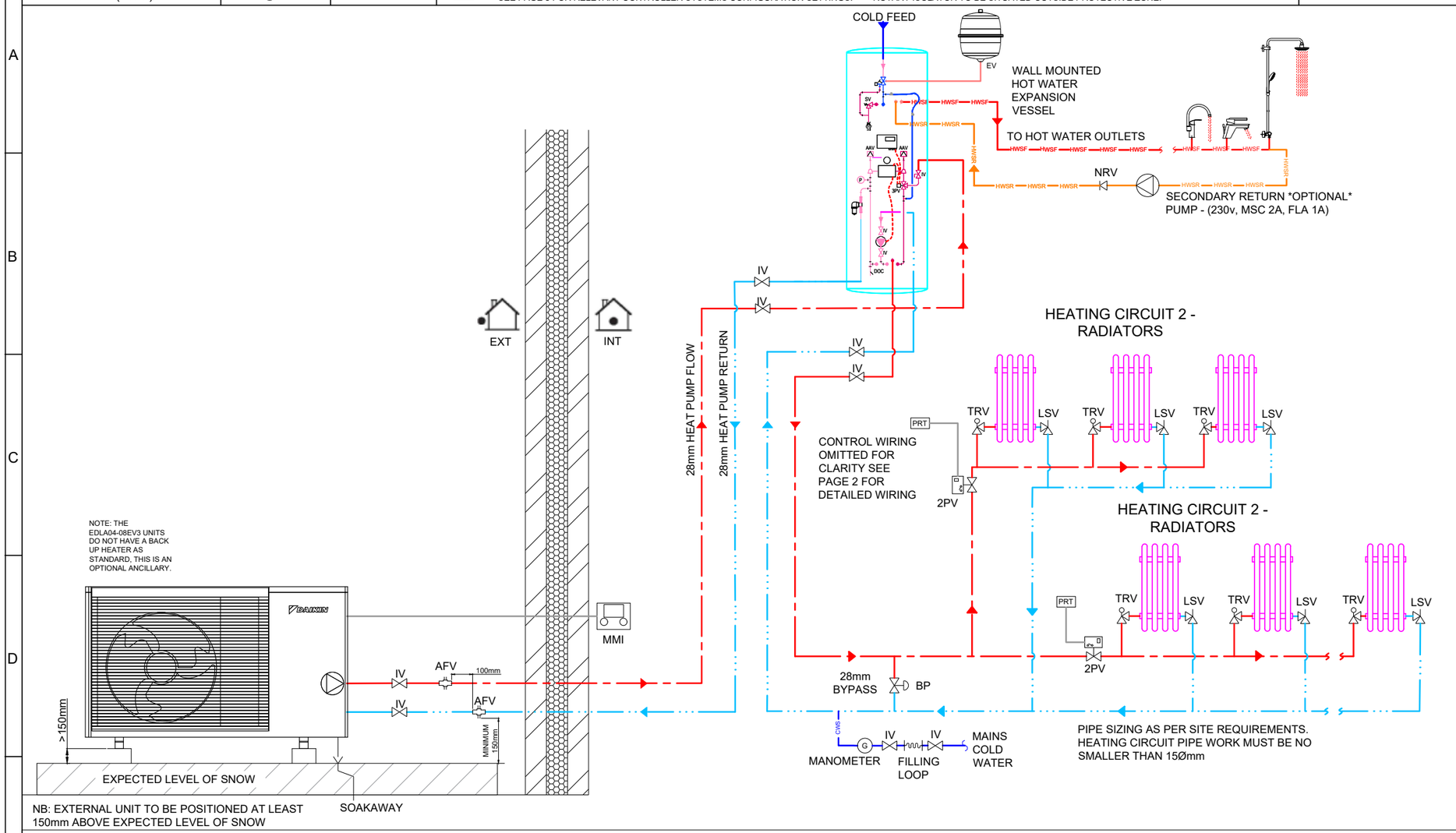
DAIKIN altherma

ST 169: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-169 (1 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

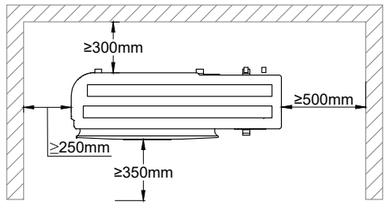
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

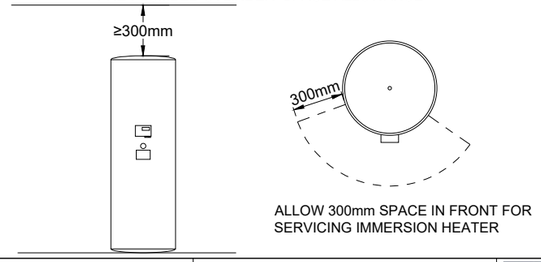
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

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Drawing:
Small MonoBloc Class 4-8 EDLA (1 PHASE)
PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW & 2 ZONE RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 169: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Electrical**

Drawing Number:	Scale:	Revision:
ST-169 (2 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

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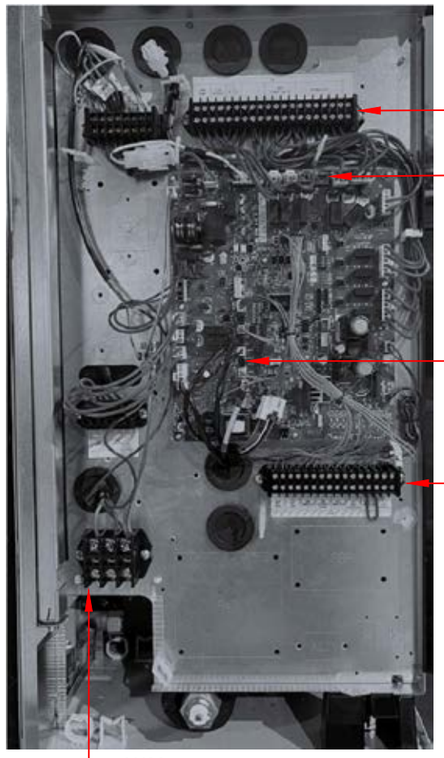
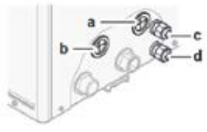
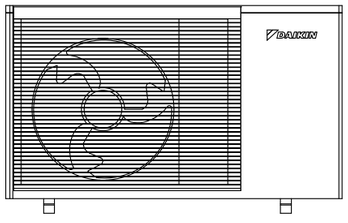


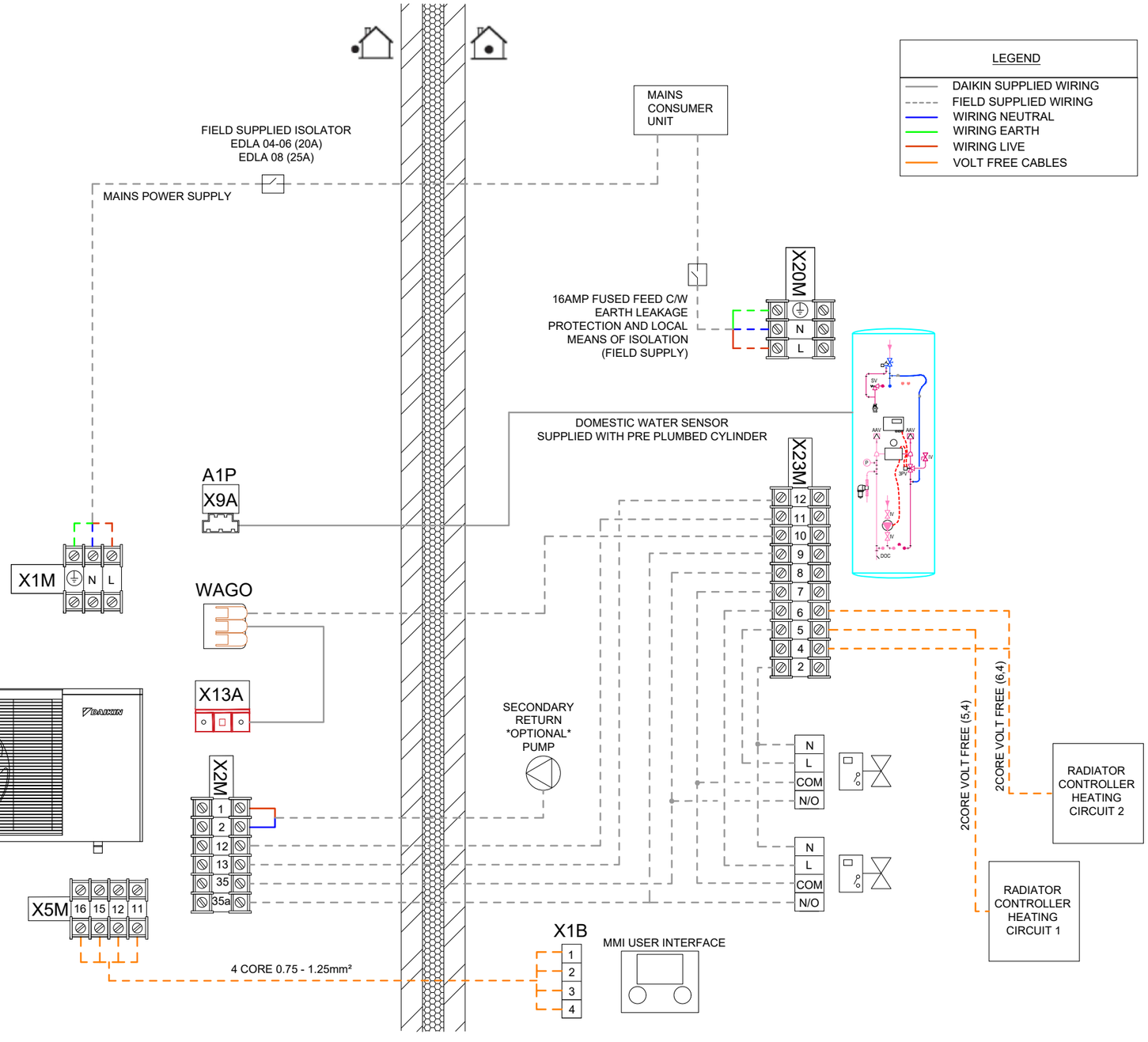
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



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Drawing:
Small MonoBloc Class 4-8 EDLA (1 PHASE),
PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, & 2 ZONE RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 169: EDLA Low Capacity Monobloc - Third Party Cylinder, Third Party Controls, DHW & 2 Zone Radiator Circuit - **Key Data**

Drawing Number:	Scale:	Revision:
ST-169 (3 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

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Drawing:
Small MonoBloc Class 4-8 EDLA (1 PHASE)
PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW & 2 ZONE RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 171: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-171 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
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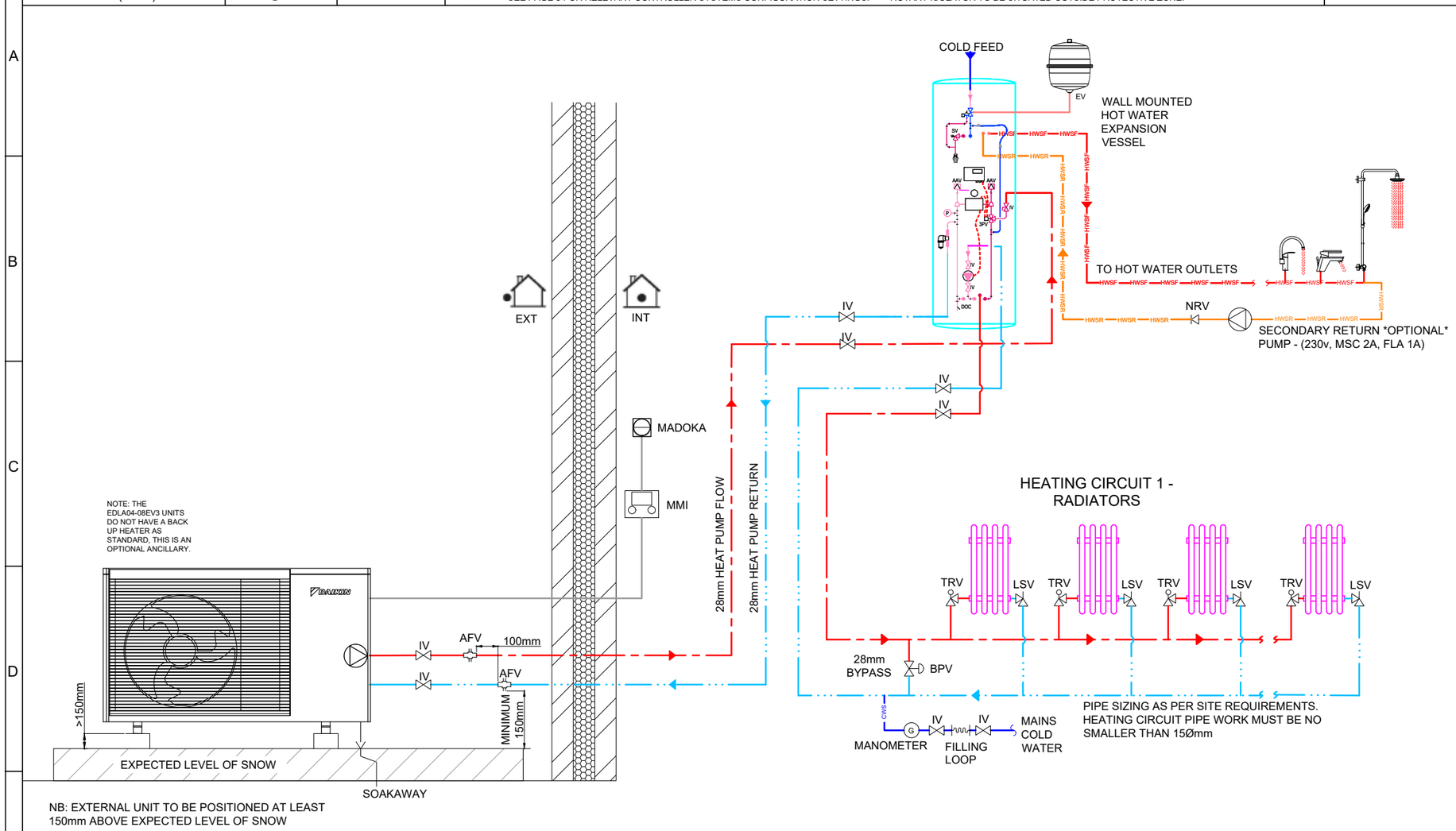


NOTE: THE EDLA04-08EV3 UNITS DO NOT HAVE A BACK UP HEATER AS STANDARD, THIS IS AN OPTIONAL ANCILLARY.

NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

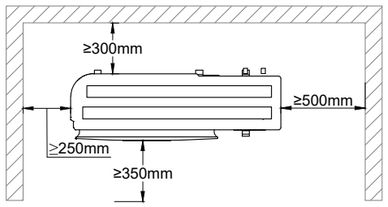
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

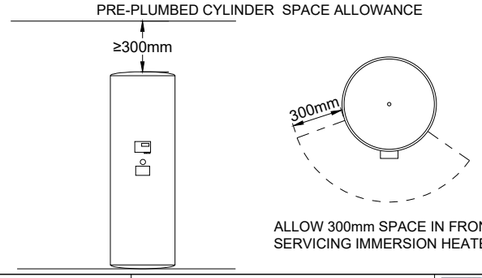
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER
& RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

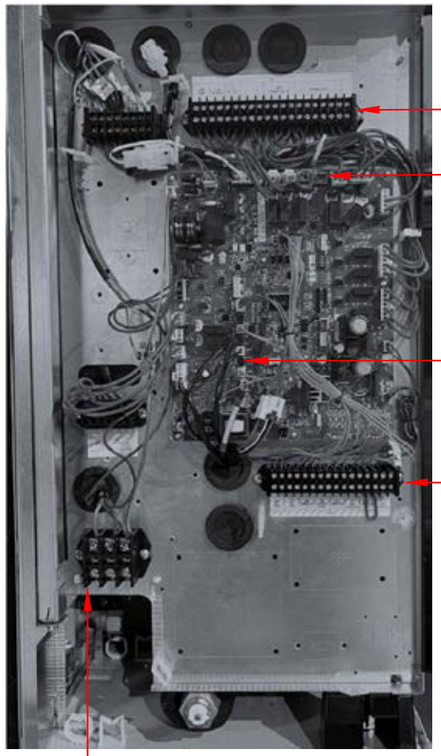
DAIKIN altherma

ST 171: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW Radiators- **Electrical**

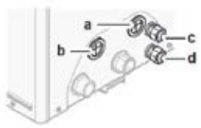
Drawing Number:	Scale:	Revision:
ST-171 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

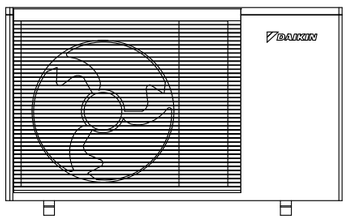
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



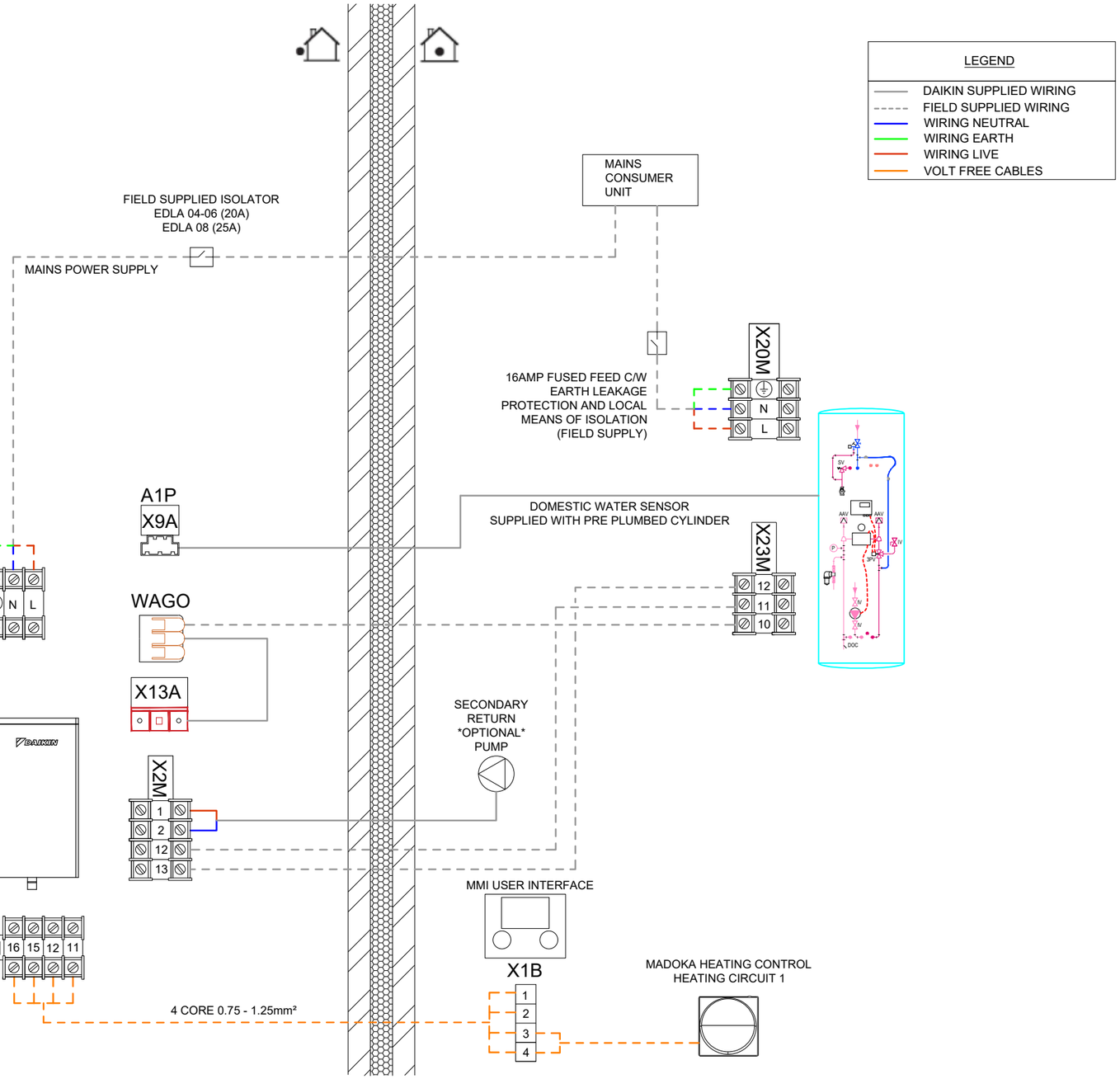
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE),
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER
& RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 171: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW Radiators- **Key Data**

Drawing Number:	Scale:	Revision:
ST-171 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER & RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

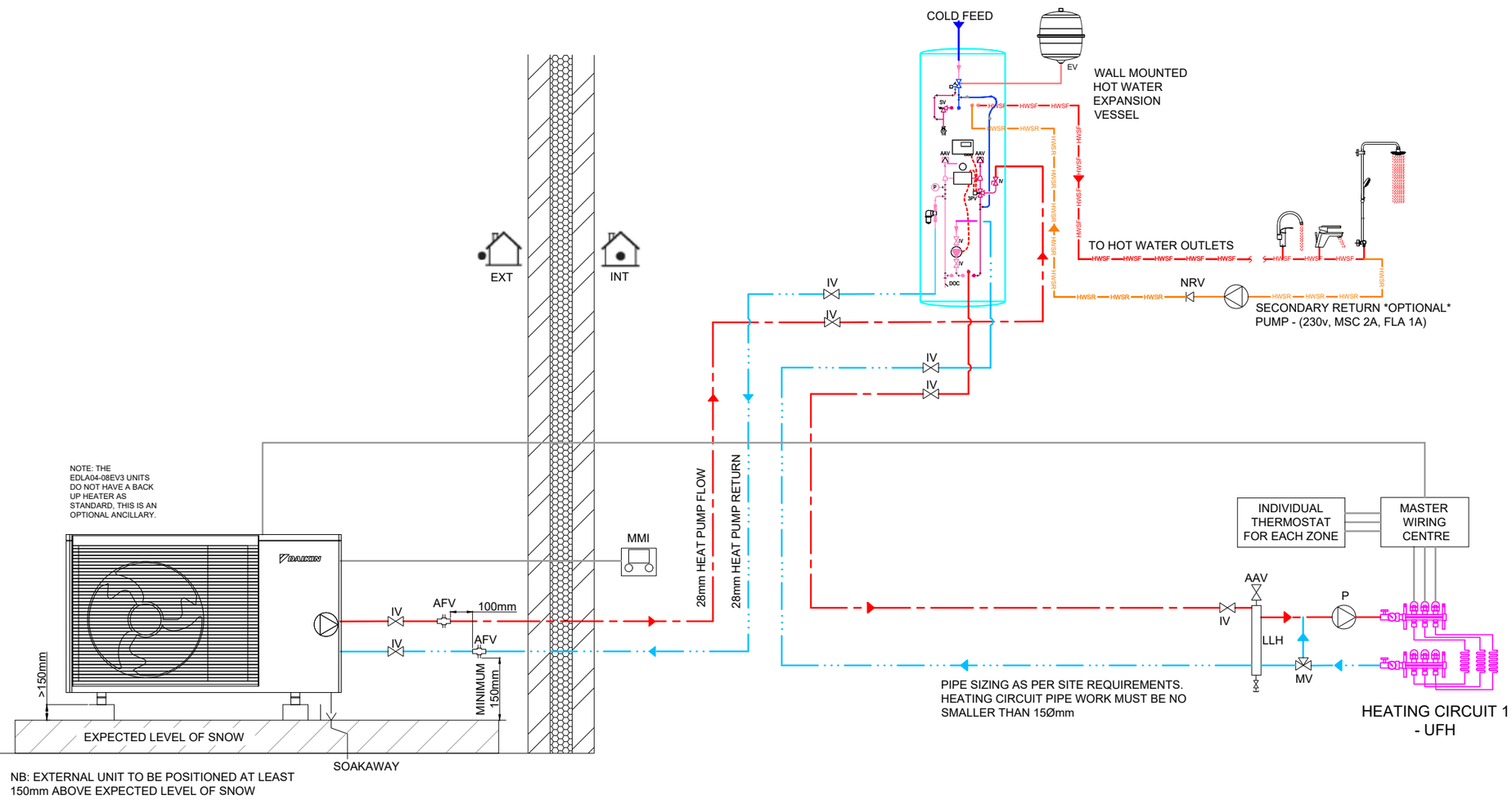
DAIKIN altherma

ST 172: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-172 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

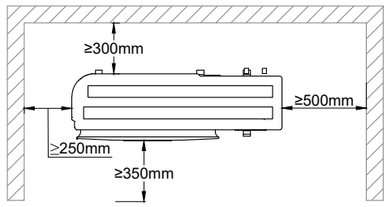
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

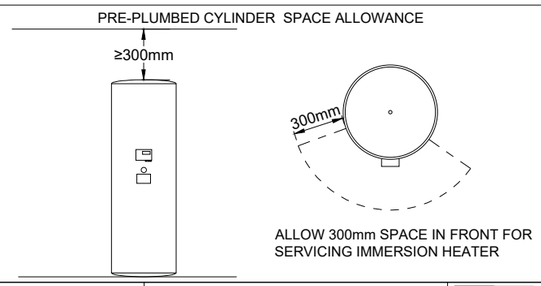
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 172: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-172 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

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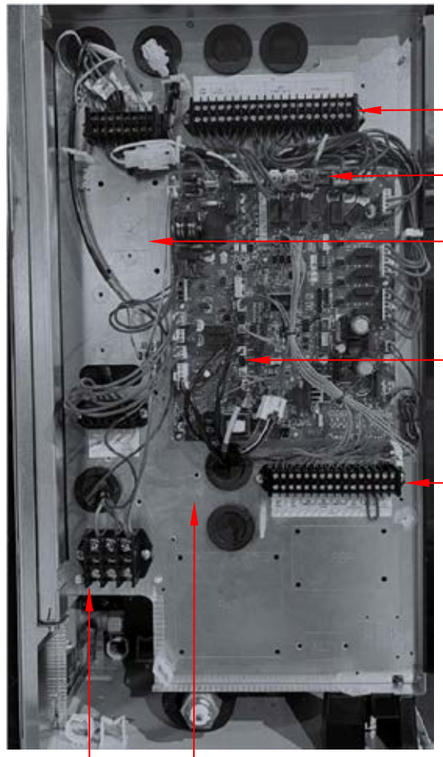
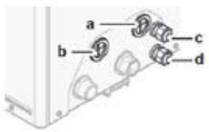
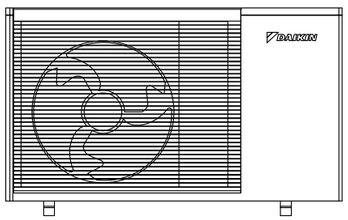


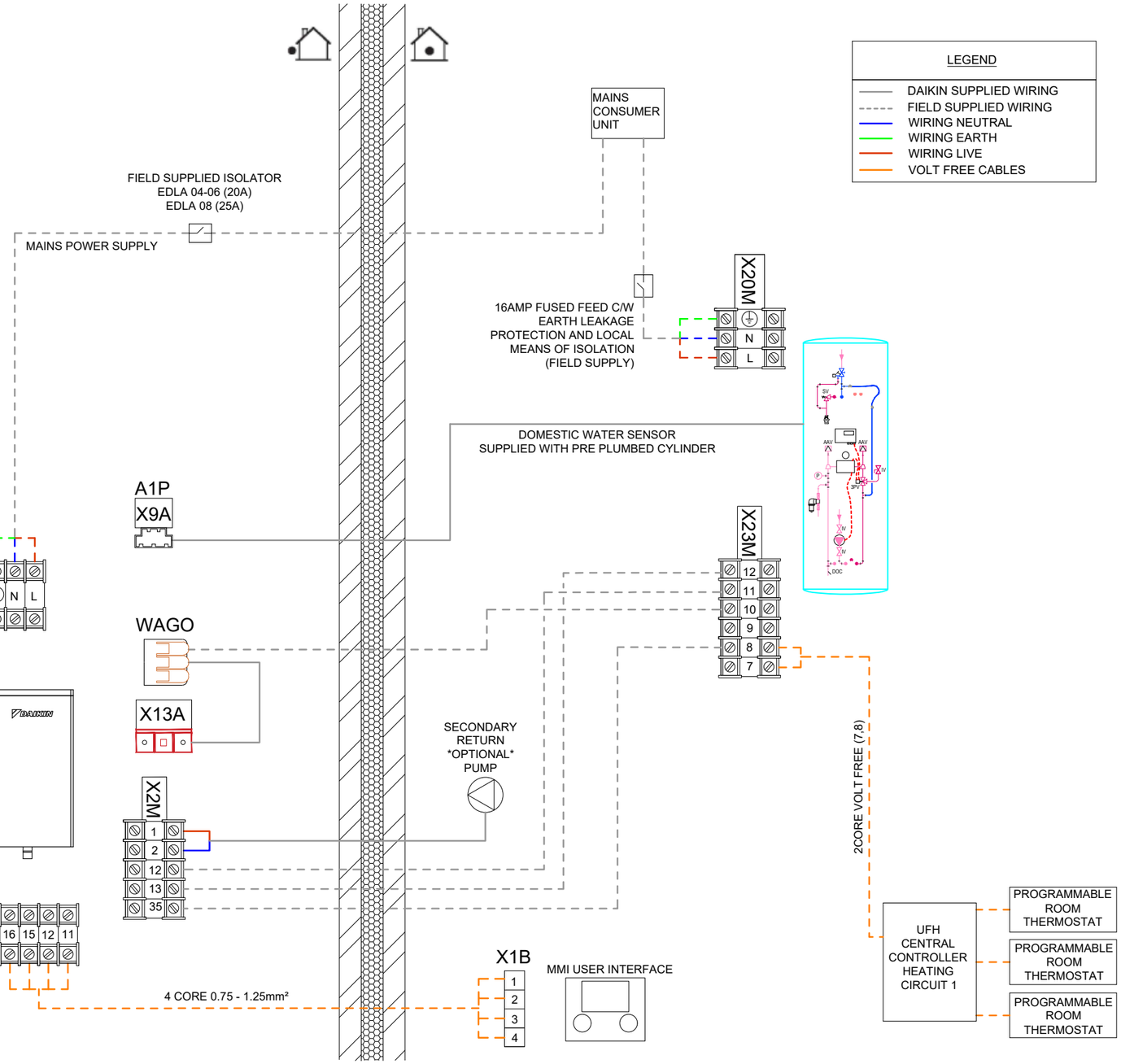
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
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P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE),
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 172: EDLA Low Capacity Monobloc - Preplumbed Cylinder, DHW & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-172 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
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- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE

EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME

IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	25.09.24
P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

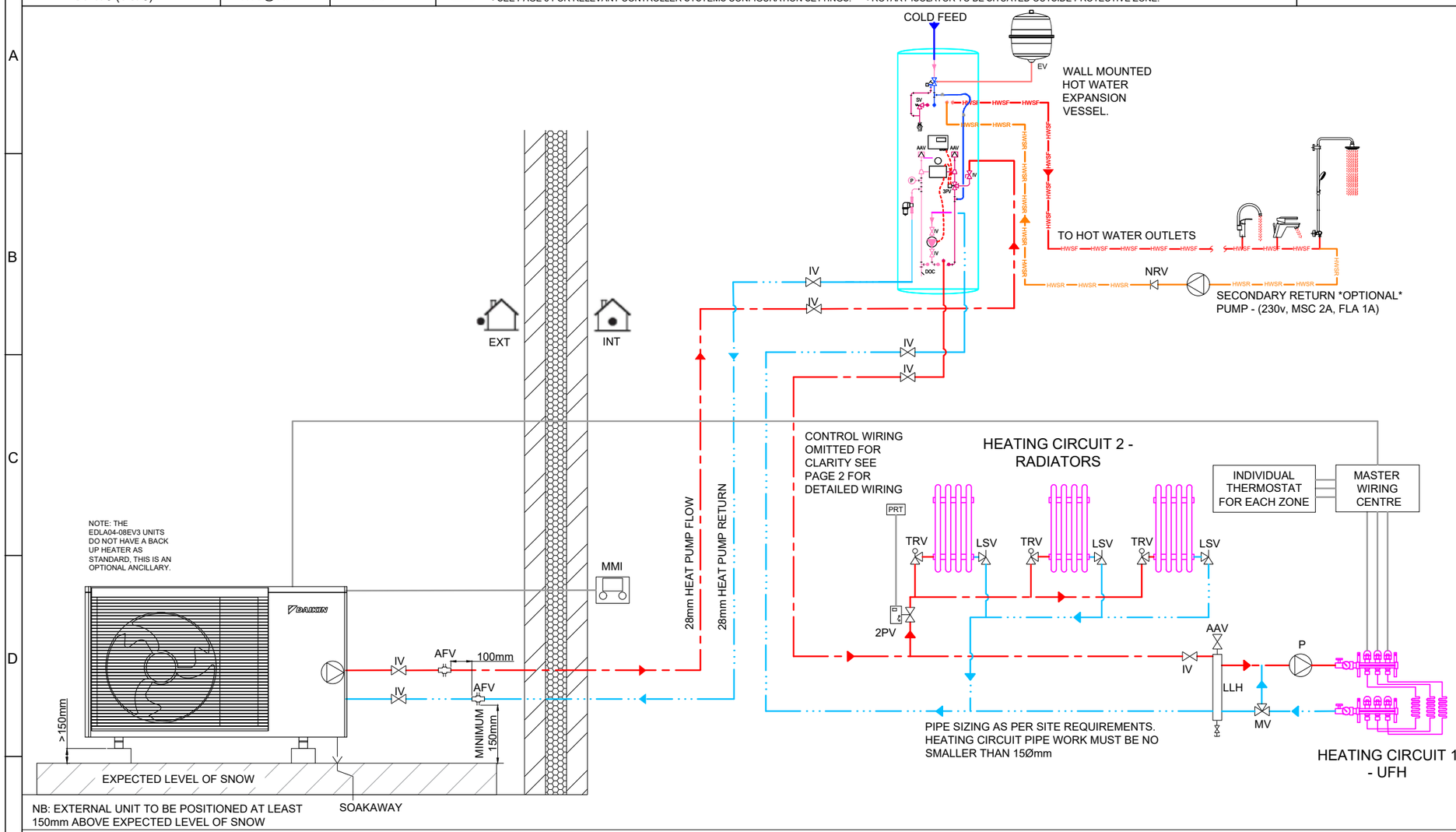
DAIKIN altherma

ST 173: EDLA Low Capacity Monobloc - Preplumbed Cylinder Third Party Controls DHW Radiators UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-173 (1 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

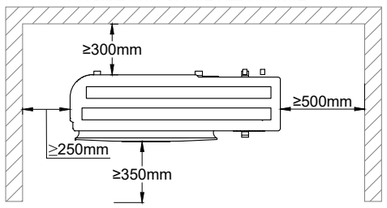
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 2 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

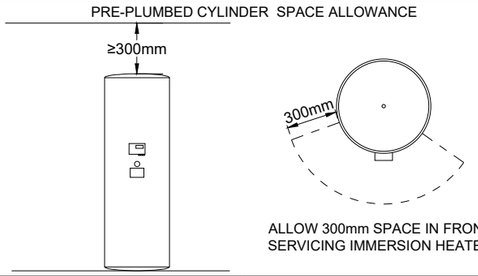
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	25.09.24
P4	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P3	MIXING VALVE UPDATED	PBM	SB	26.03.24
P2	WIRING UPDATED	PBM	SB	20.10.23
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)

PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,

DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

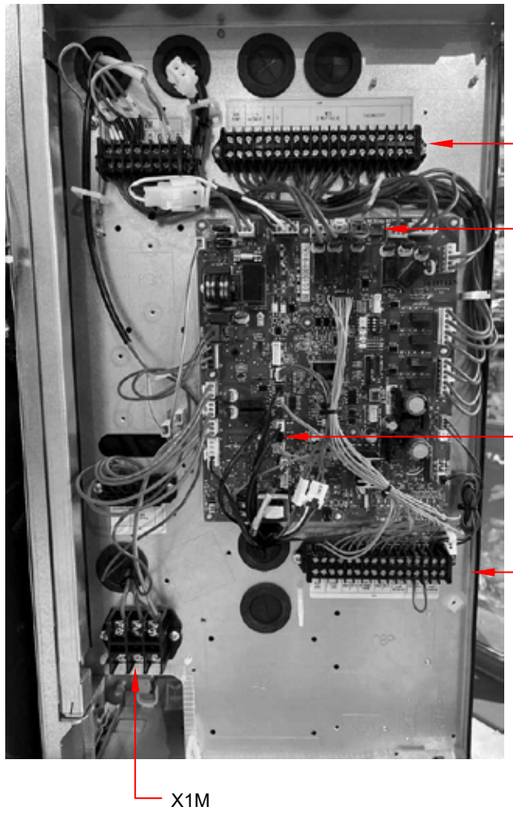
DAIKIN altherma

ST 173: EDLA Low Capacity Monobloc - Preplumbed Cylinder Third Party Controls DHW Radiators UFH - **Electrical**

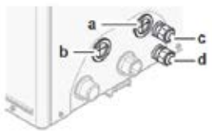
Drawing Number:	Scale:	Revision:
ST-173 (2 of 3)	NTS@ A3	P5

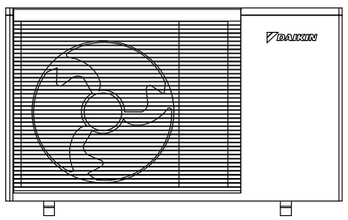
- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



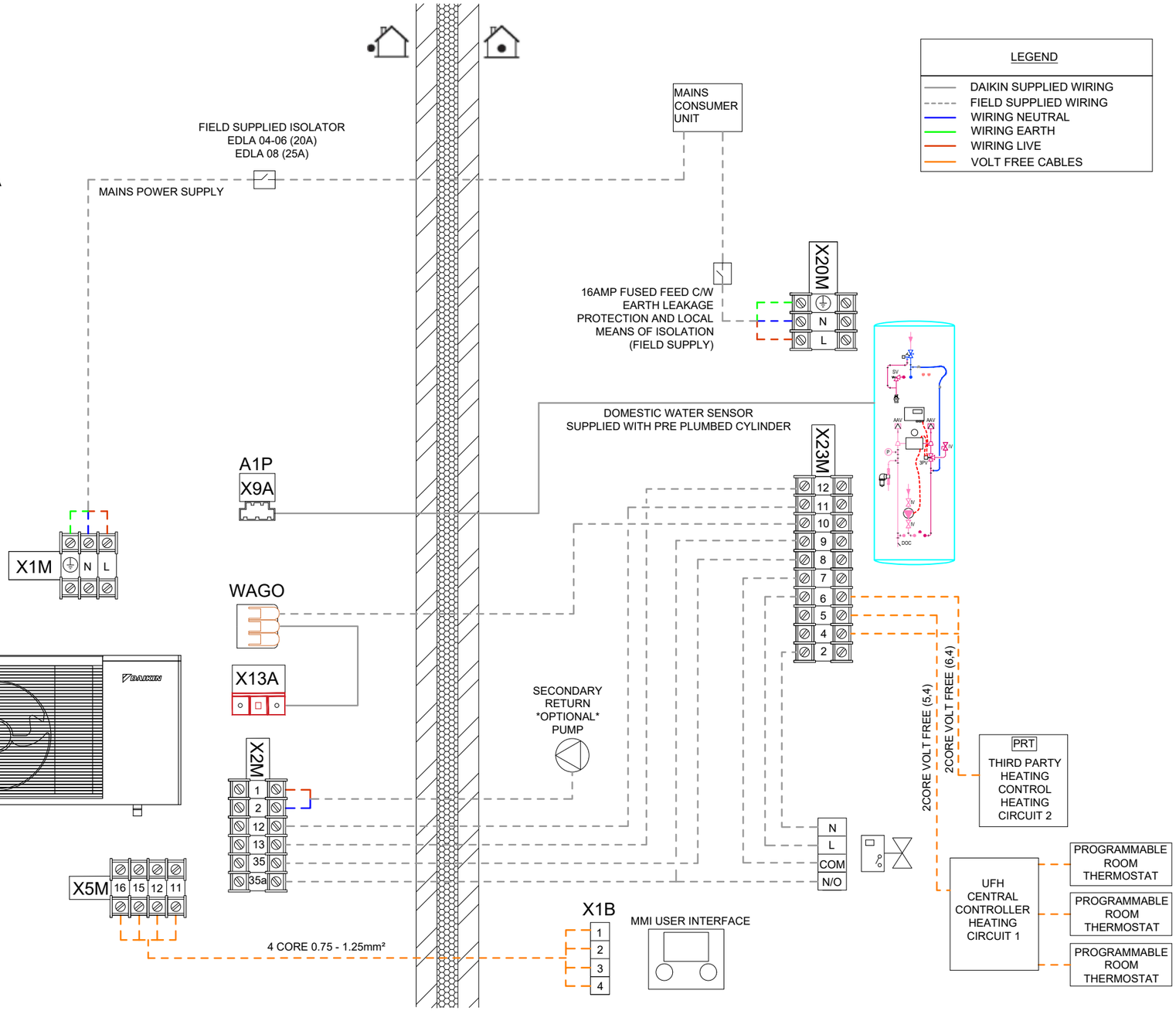
a HIGH VOLTAGE OPTIONS
b LOW VOLTAGE OPTIONS
c WIRING FOR BUH KIT
d UNIT POWER SUPPLY





REAR VIEW

FRONT VIEW



Rev	Description	Engineer	Checked	Date
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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 173: EDLA Low Capacity Monobloc - Preplumbed Cylinder Third Party Controls DHW Radiators UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-173 (3 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE 1 - DATA - MONOBLOC HEATING ONLY 1 PHASE			
EQUIPMENT	EDLA04EV3	EDLA06EV3	EDLA08EV3
PRIMARY PIPEWORK (mm)	MINIMUM 28		
FLOW RATE (l/min) CENTRAL HEATING	13.2	17.2	22.4
MINIMUM WATER VOLUME (Litres)	SEE TABLE 3		
MAX CURRENT (A)	19.9		24
FUSE (A)	20		25
MAINS FOR DHW BSH (K3M)	230v		
MAX CURRENT (A) DHW BSH	13.04		
FUSE (A)	16		
MINIMUM CABLE (mm²) FOR MMI	1.5		
MAXIMUM DISTANCE TO TANK (m)	10		
MAXIMUM LEVEL DIFFERENCE (m)	5		
HEIGHT (mm)	770		
WIDTH (mm)	1250		
DEPTH (mm)	362		
WEIGHT EMPTY (kg)	88		
WEIGHT FULL (kg)	96		

TABLE 3 - MINIMUM WATER VOLUME			
IF			THEN THE MINIMUM WATER VOLUME IS...
HEATING/DEFROST OPERATION AND...			
	PREHEATING ON THE TANK IS POSSIBLE		0ltrs
	PREHEATING ON THE TANK IS NOT POSSIBLE, BUT A BACK UP HEATER (INTERNAL OR EXTERNAL) IS PRESENT		10ltrs
	PREHEATING THE TANK IS NOT POSSIBLE, THERE IS NO BACK UP HEATER, AND...		
		THE RETURN FLOW TEMPERATURE IS >15°C	20ltrs
		THE RETURN FLOW TEMPERATURE IS ,15°C	50ltrs

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — DAIKIN ALTHERMA LOW TEMPERATURE MONOBLOC

SCAN ME — UNBOXING SMALL MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — SMALL MONOBLOC PRODUCT VIDEO

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW2) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	25.09.24
P4	FLOW SWITCH REFERENCE UPDATE	PBM	SB	07.06.24
P3	MIXING VALVE UPDATED	PBM	SB	26.03.24
P2	WIRING UPDATED	PBM	SB	20.10.23
P1	PRELIMINARY ISSUE	PBM	SB	30.05.23

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Drawing:
Small MonoBloc EDLA 04-08 (1 PHASE)
PRE PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

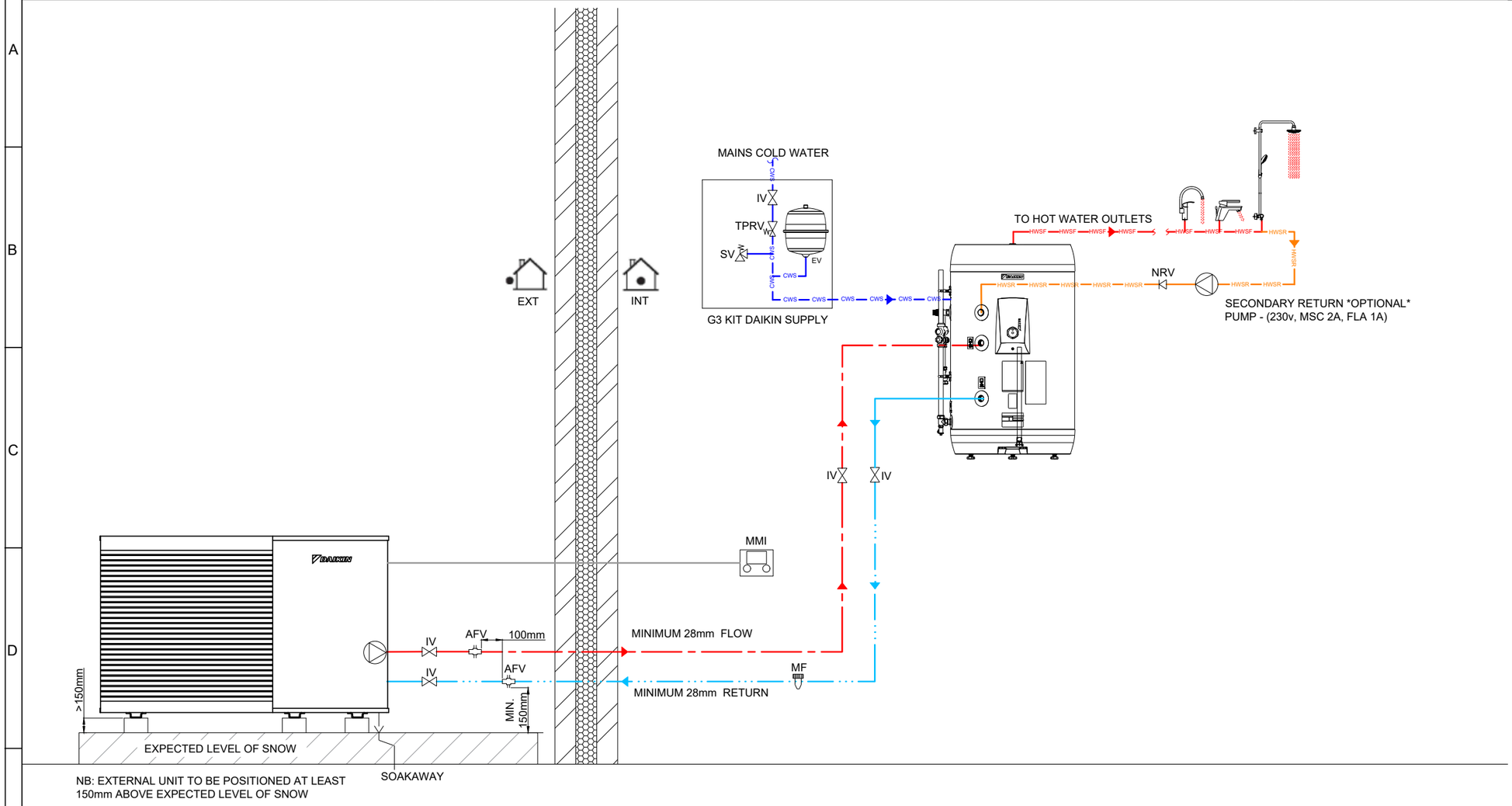
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 202: EDLA High Capacity Monobloc - DHW Only - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-202 (1 of 3)	NTS@A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
	HEAT PUMP FLOW PIPEWORK
	HEAT PUMP RETURN PIPEWORK
	WIRING

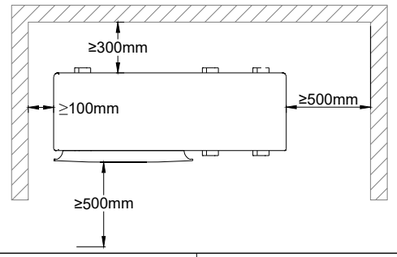
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

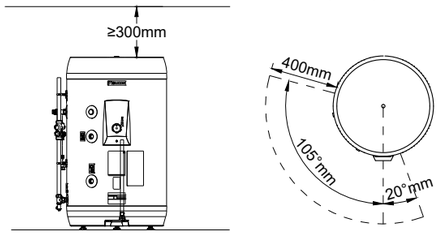
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	06.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 202: EDLA High Capacity Monobloc - DHW Only - **Electrical**

Drawing Number:	Scale:	Revision:
ST-202 (2 of 3)	NTS@A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
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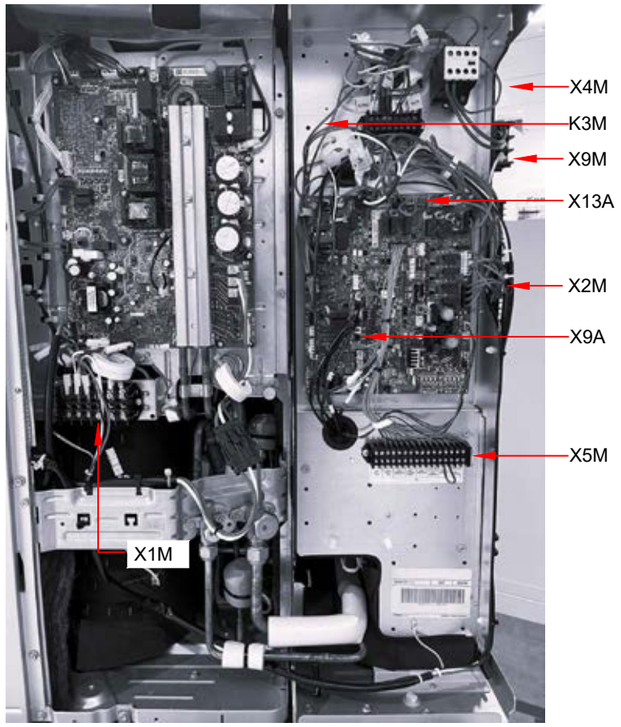
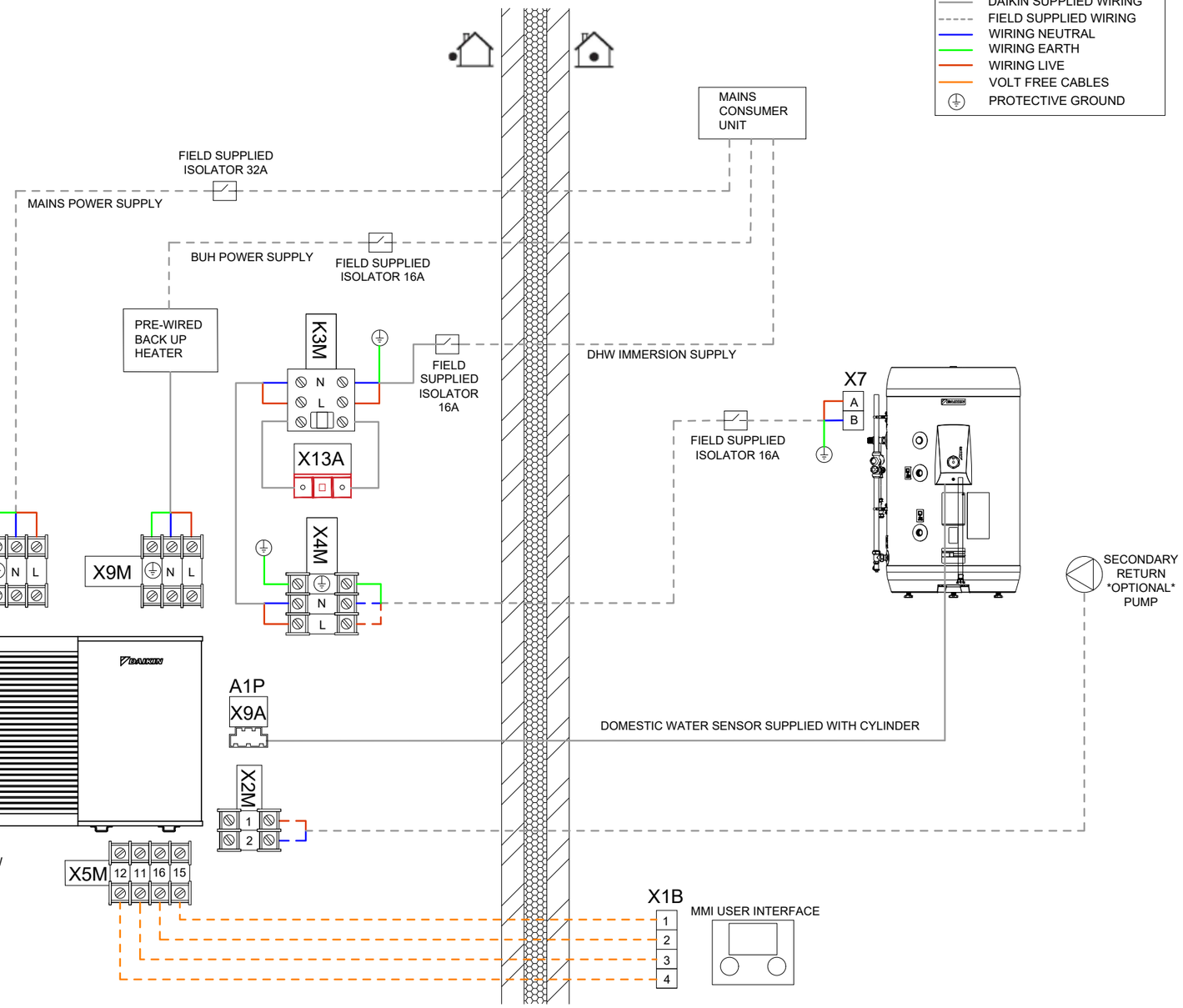
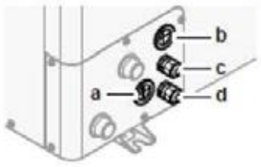




a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



High-Capacity

REAR VIEW

FRONT VIEW

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	06.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 202: EDLA High Capacity Monobloc - DHW Only - **Key Data**

Drawing Number:	Scale:	Revision:
ST-202 (3 of 3)	NTS@A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
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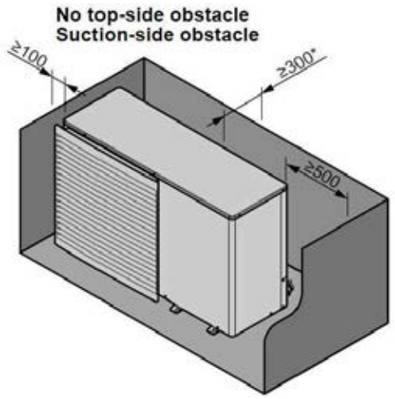
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	06.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

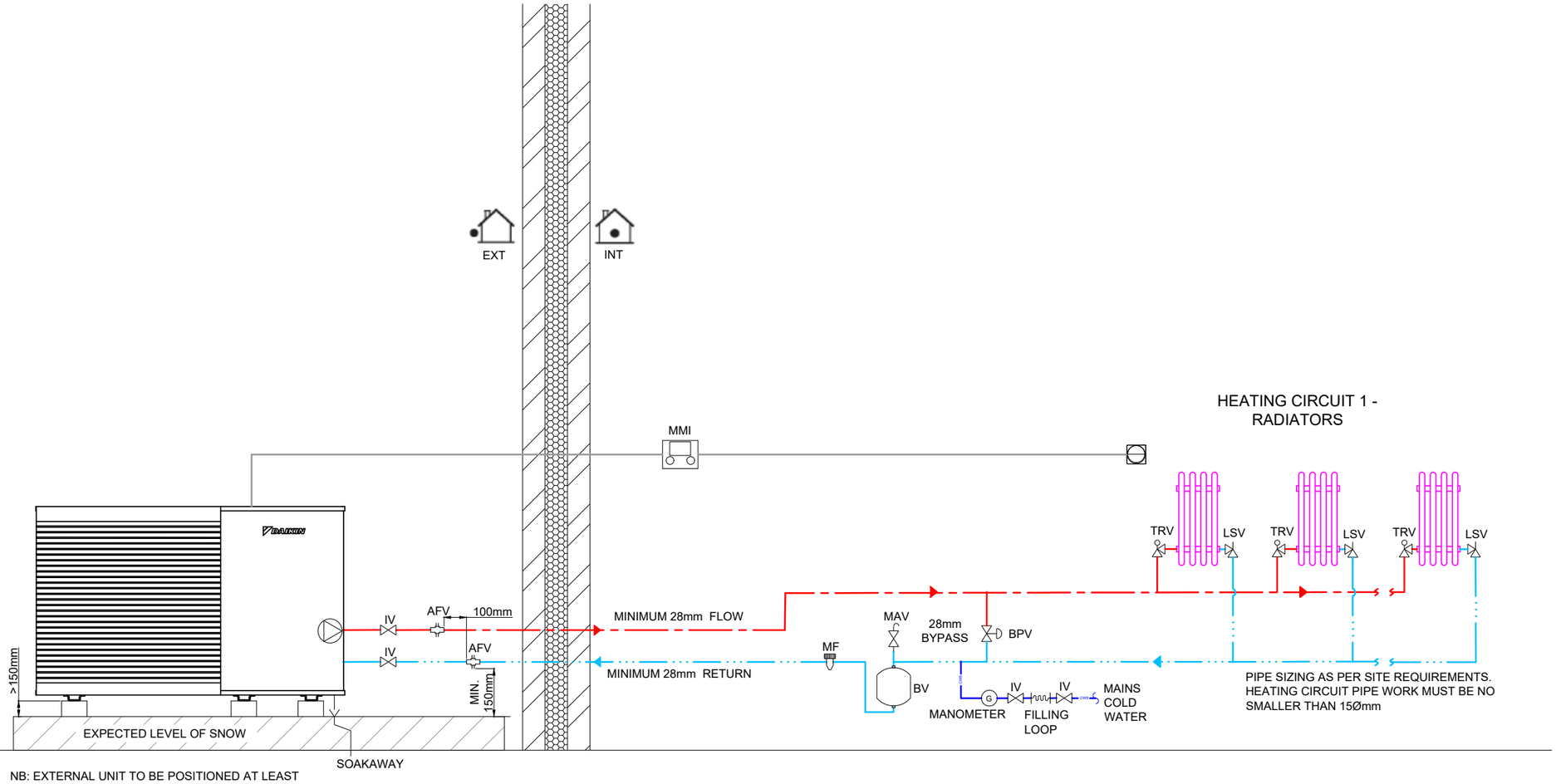
ST 203: EDLA High Capacity Monobloc - Radiators Only - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-203 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

LEGEND

IV	ISOLATION VALVE
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
HWST	HWS FLOW PIPEWORK
HWRT	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
LTHW F	LTHW FLOW PIPEWORK
LTHW R	LTHW RETURN PIPEWORK
	WIRING



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

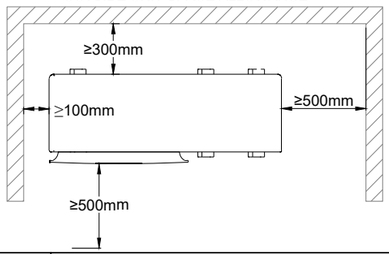
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	07.09.24
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
RADIATORS

Drawing Status:
PRELIMINARY

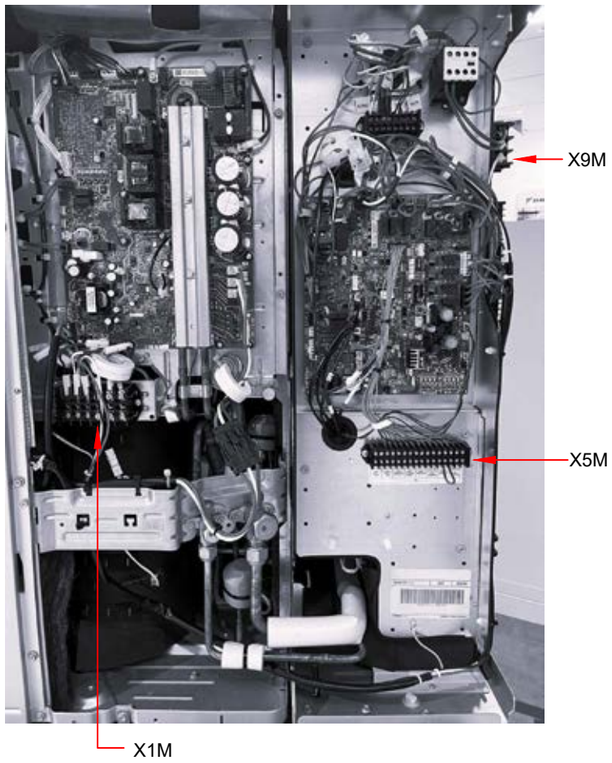
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

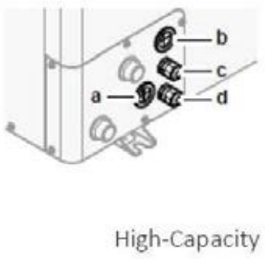
ST 203: EDLA High Capacity Monobloc - Radiators Only - **Electrical**

Drawing Number:	Scale:	Revision:
ST-203 (2 of 3)	NTS@ A3	P3

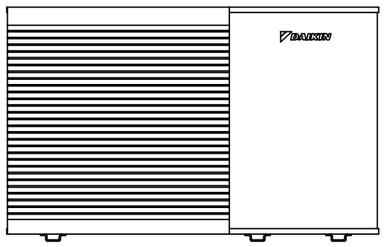
- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



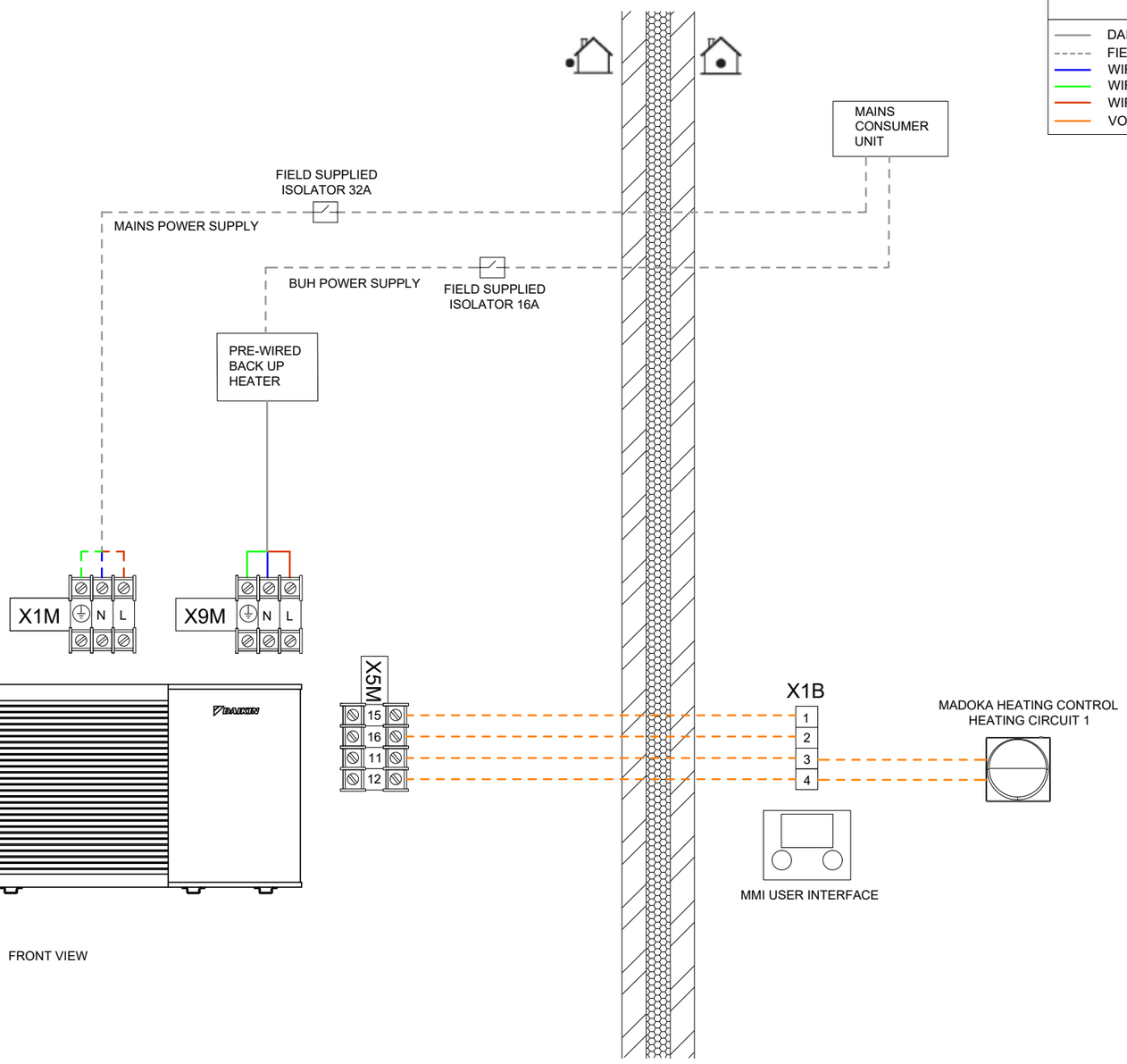
a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	07.09.24
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 203: EDLA High Capacity Monobloc - Radiators Only - **Key Data**

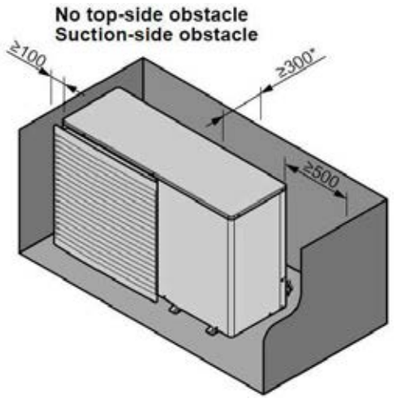
Drawing Number:	Scale:	Revision:
ST-203 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE

EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSUMLATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	07.09.24
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

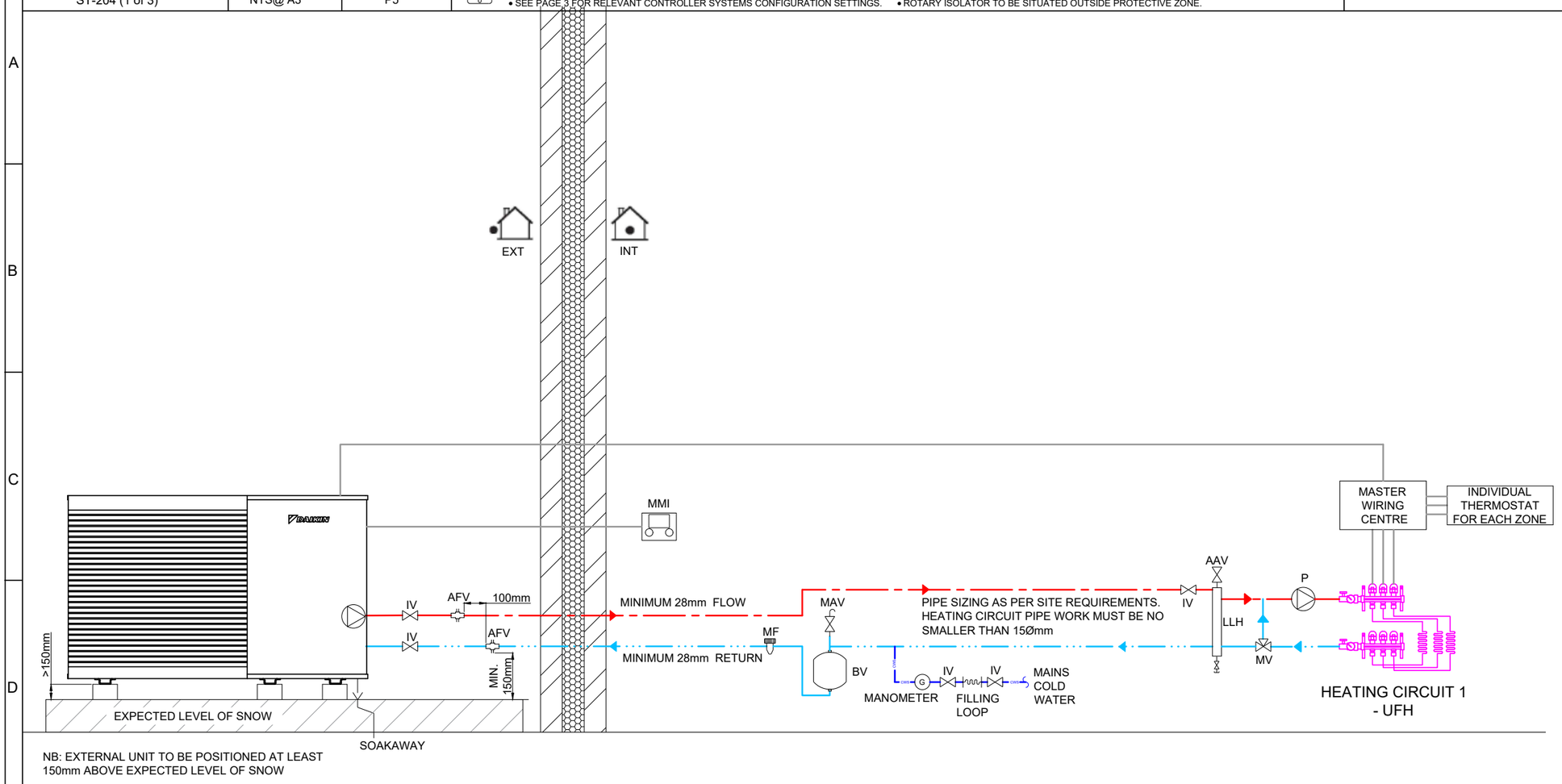
ST 204: EDLA High Capacity Monobloc - UFH Only - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-204 (1 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

LEGEND

IV	ISOLATION VALVE
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
BPV	AUTOMATIC BYPASS
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
P	PUMP
BV	BUFFER VESSEL
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

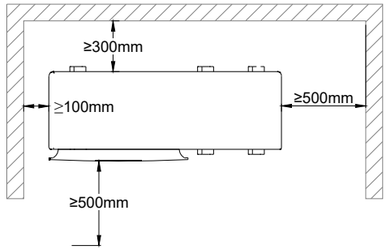
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	07.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

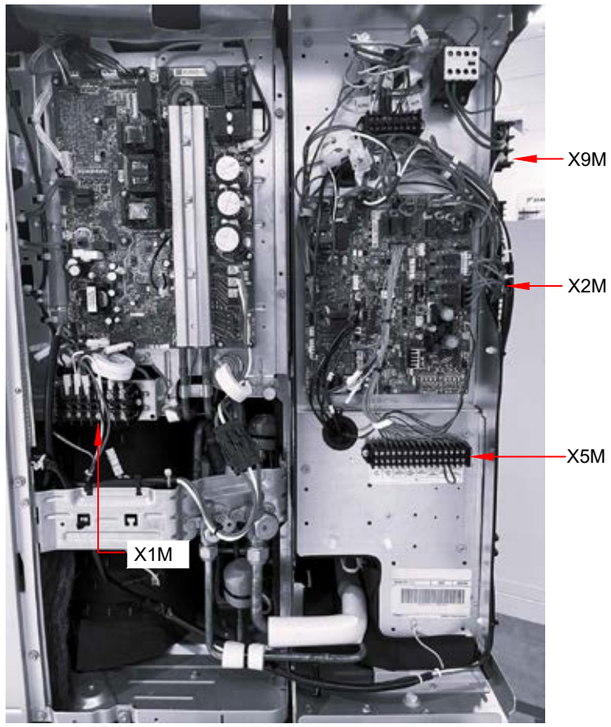
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

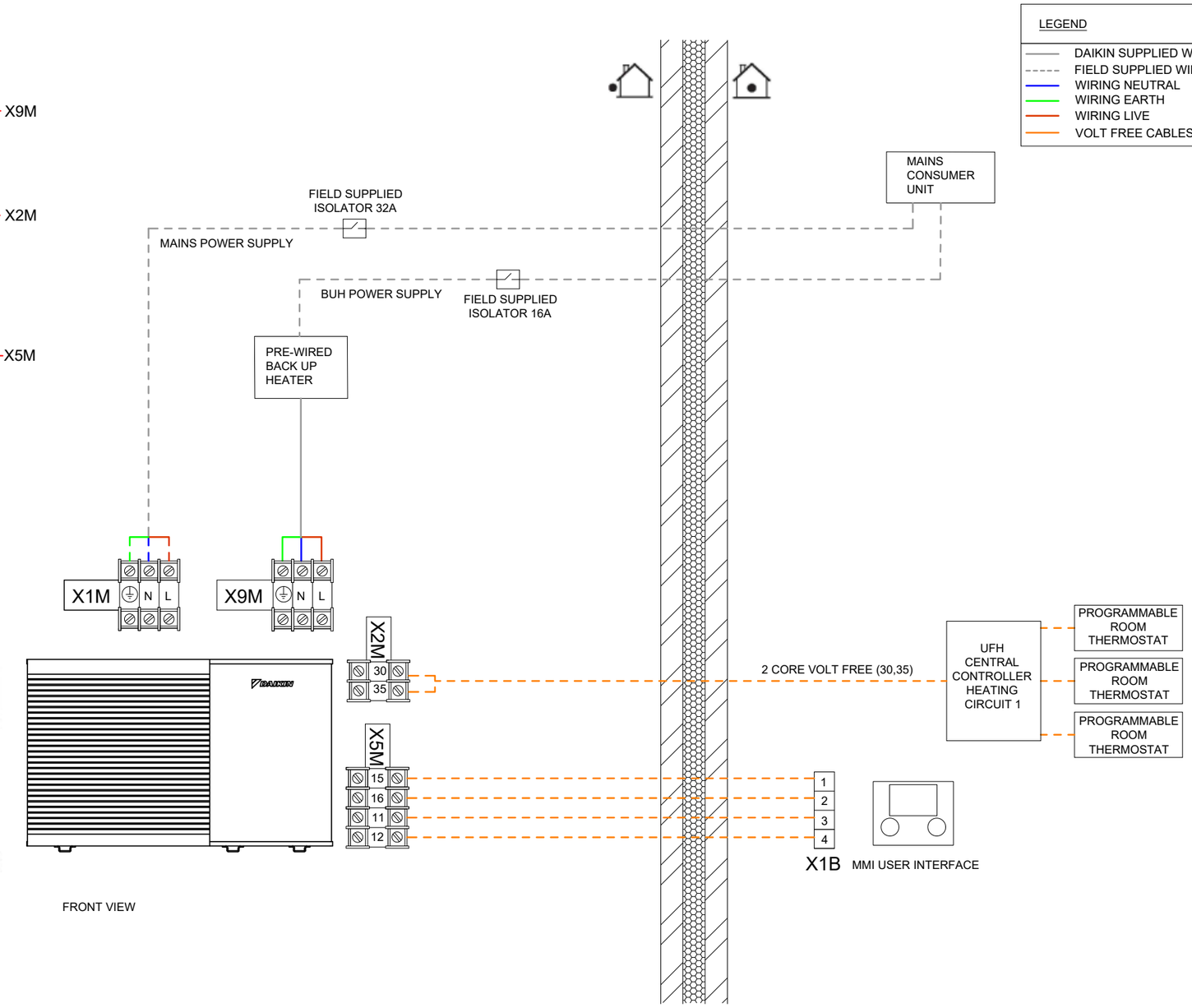
DAIKIN altherma

ST 204: EDLA High Capacity Monobloc - UFH Only - **Electrical**

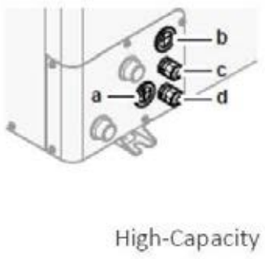
Drawing Number:	Scale:	Revision:
ST-204 (2 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.





a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	07.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

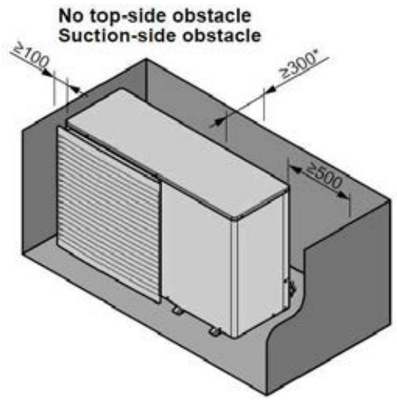
ST 204: EDLA High Capacity Monobloc - UFH Only - **Key Data**

Drawing Number:	Scale:	Revision:
ST-204 (3 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	minimum 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSUCATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	07.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

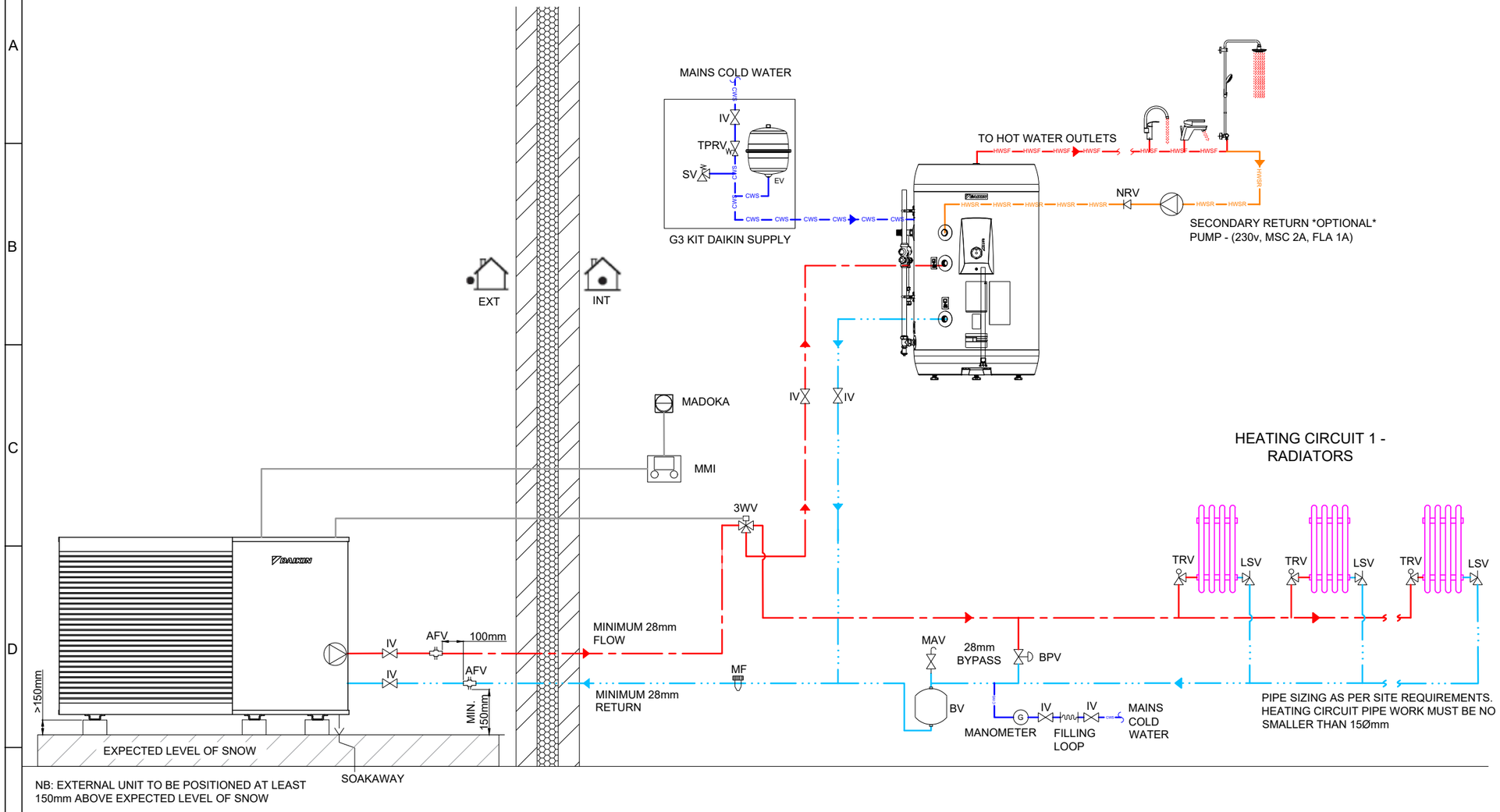
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 205: EDLA High Capacity Monobloc - DHW & Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-205 (1 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

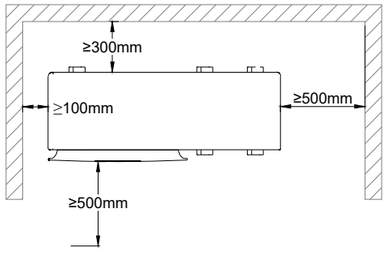
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

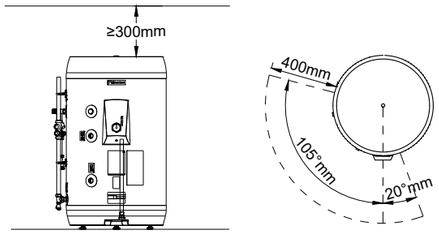
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	WIRING CONNECTIONS UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DHW & RADIATORS

Drawing Status:
PRELIMINARY

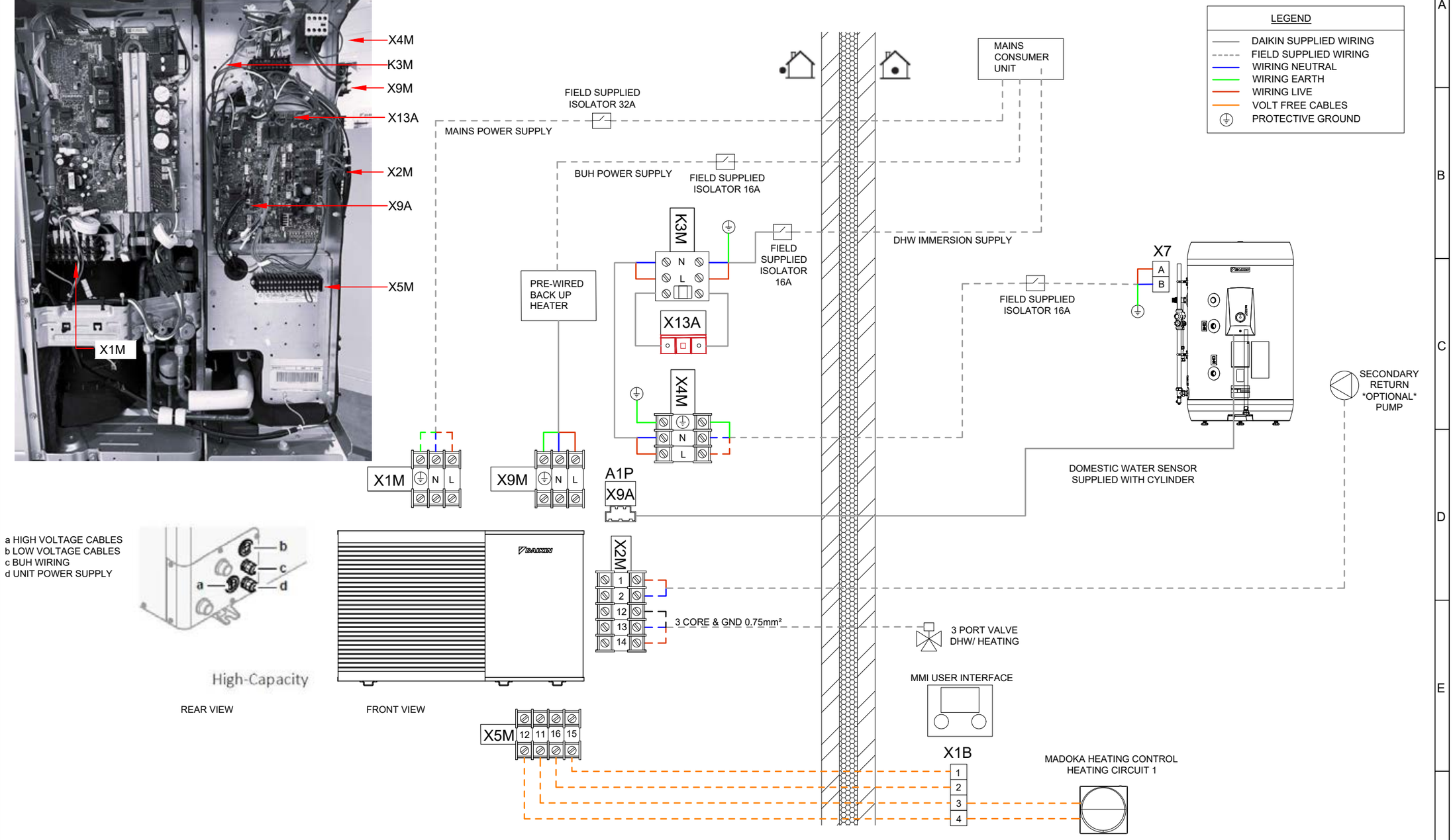
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 205: EDLA High Capacity Monobloc - DHW & Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-205 (2 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	WIRING CONNECTIONS UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DHW & RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 205: EDLA High Capacity Monobloc - DHW & Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-205 (3 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
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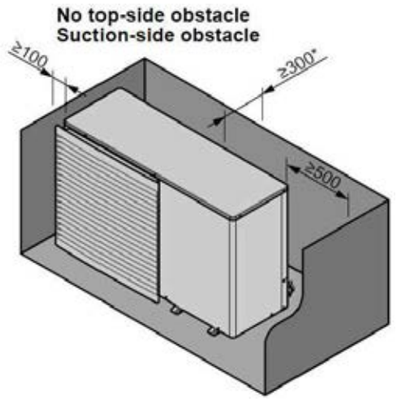
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

UNBOXING LARGE MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	04.09.24
P3	WIRING CONNECTIONS UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc
EDLA 09-16 (1 PHASE)
DHW & RADIATORS

Drawing Status:
PRELIMINARY

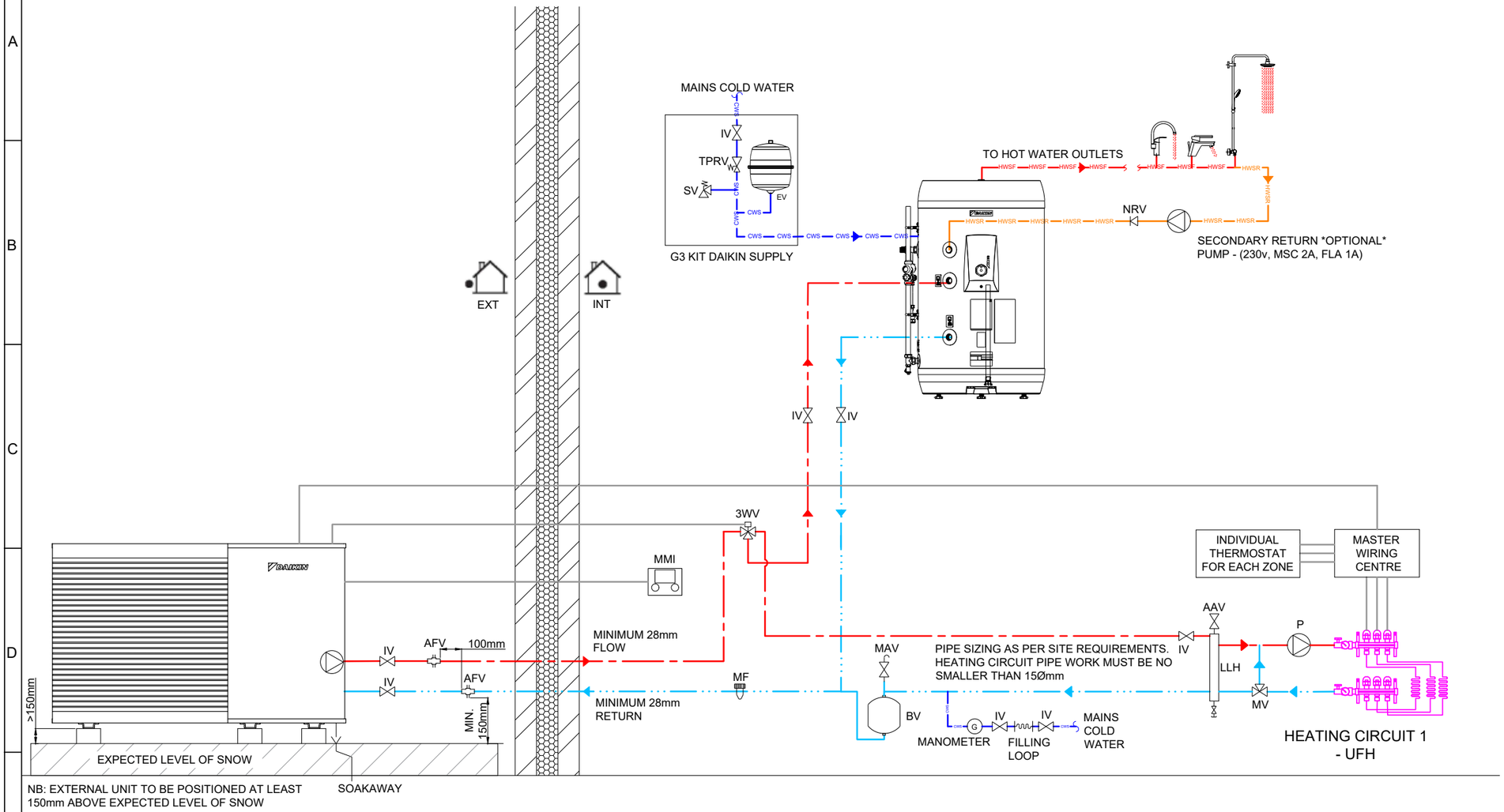
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 206: EDLA High Capacity Monobloc - Third Party Controls DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-206 (1 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

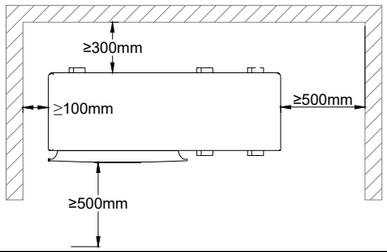
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

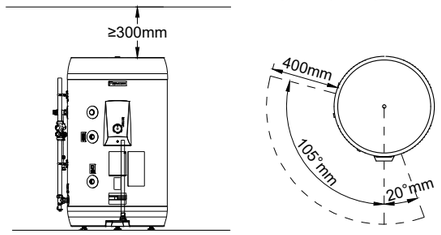
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	04.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW & UFH

Drawing Status:
PRELIMINARY

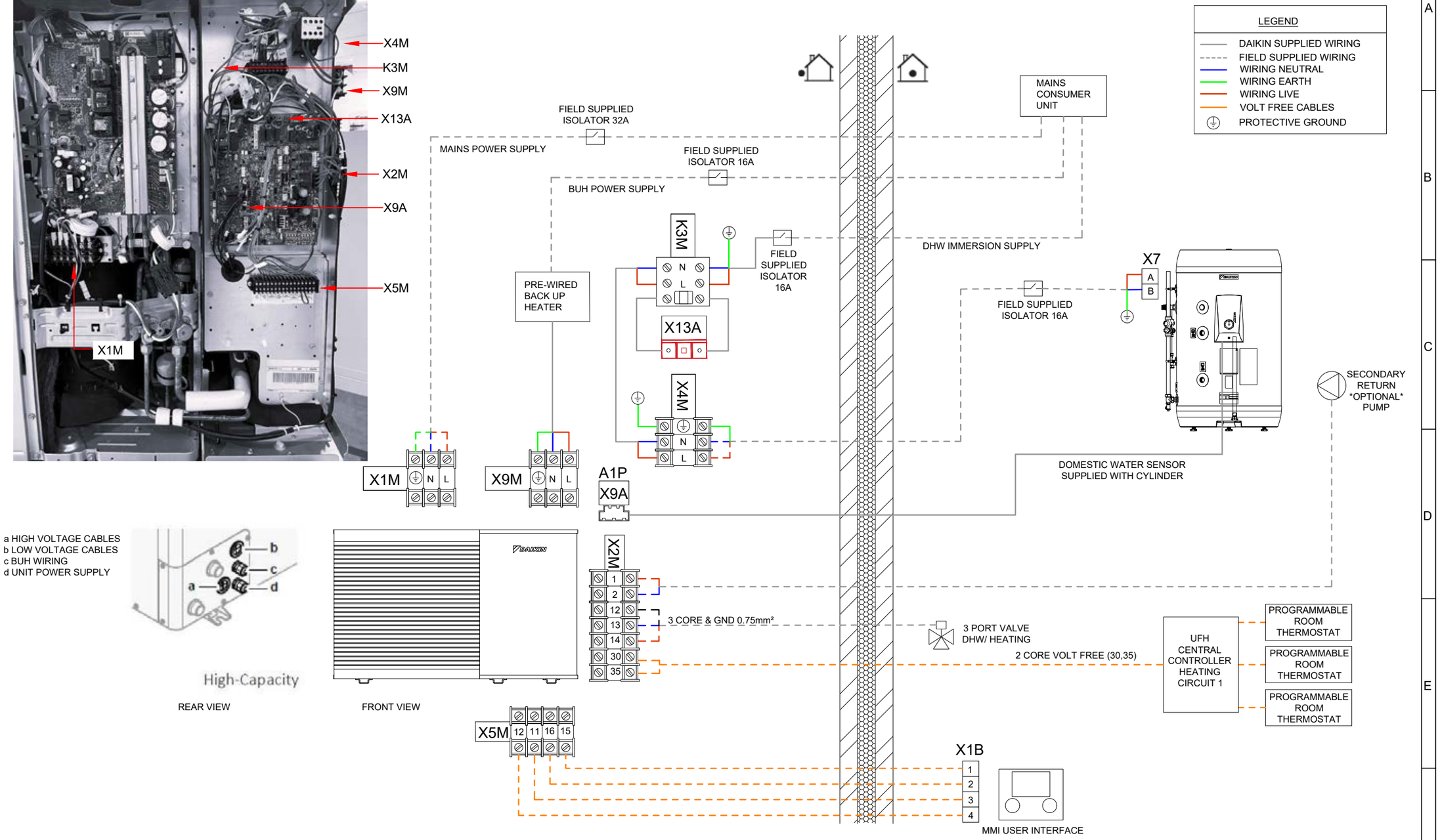
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 206: EDLA High Capacity Monobloc - Third Party Controls DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-206 (2 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	04.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing:
MonoBloc ELDA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

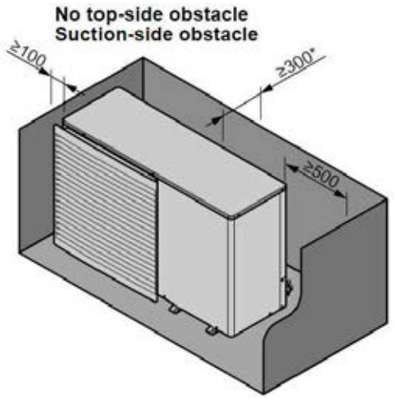
ST 206: EDLA High Capacity Monobloc - Third Party Controls DHW & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-206 (3 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	minimum 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	04.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW & UFH

Drawing Status:
PRELIMINARY

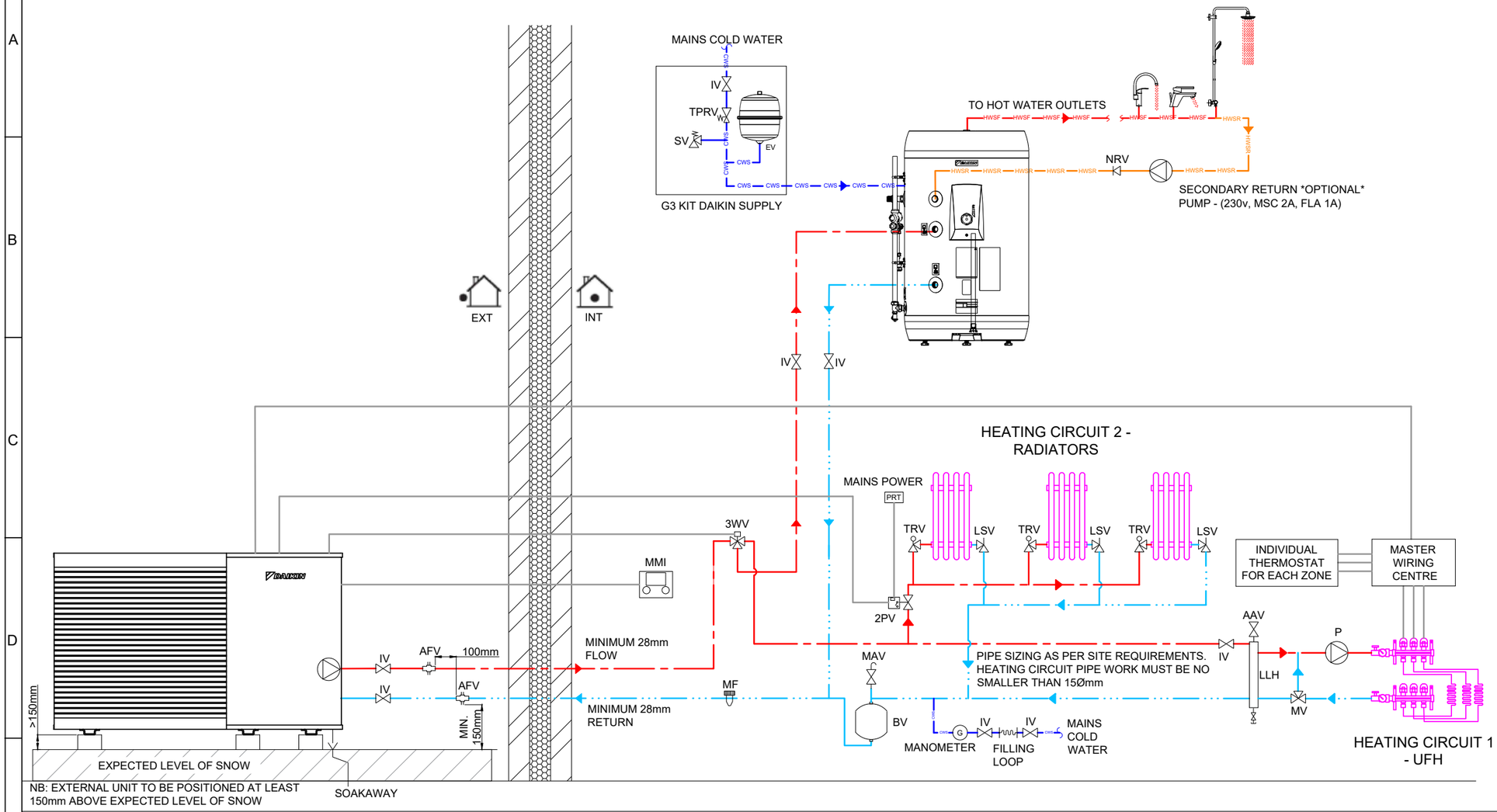
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 213: EDLA High Capacity Monobloc - Third Party Controls DHW, Radiators & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-213 (1 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

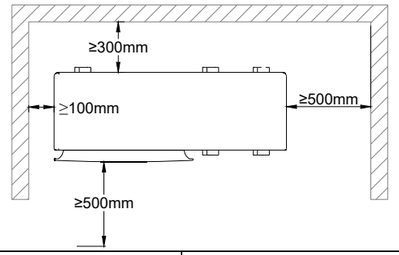
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

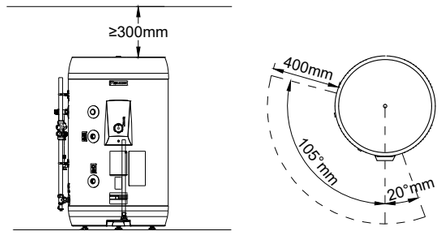
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	29.08.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)

THIRD PARTY CONTROLS

DHW, RADIATOR & UFH

Drawing Status:
PRELIMINARY

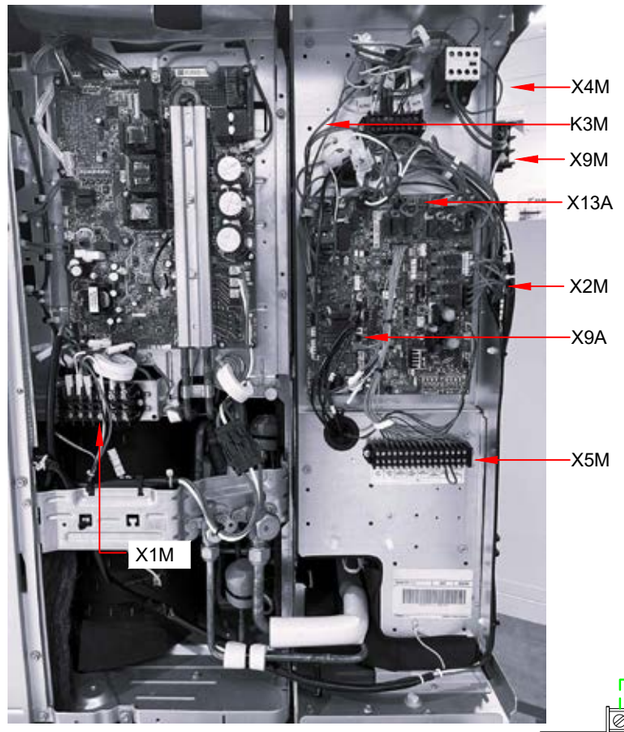
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

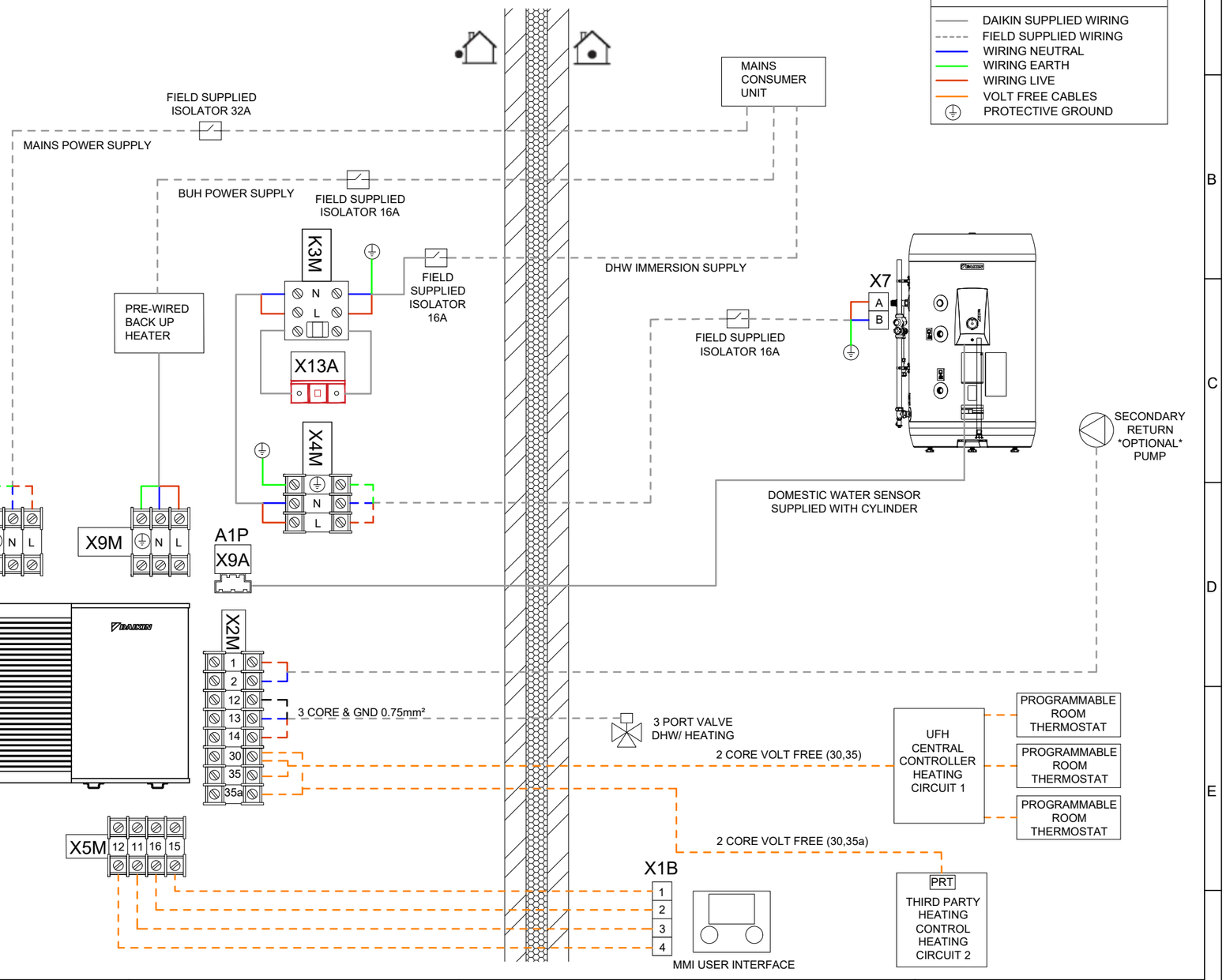
DAIKIN altherma

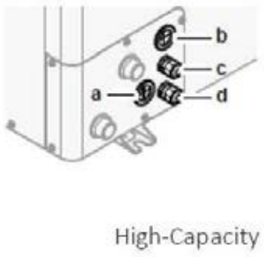
ST 213: EDLA High Capacity Monobloc - Third Party Controls DHW, Radiators & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-213 (2 of 3)	NTS@ A3	P5

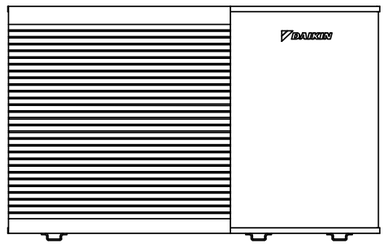
- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.







a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	29.08.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW, RADIATOR & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

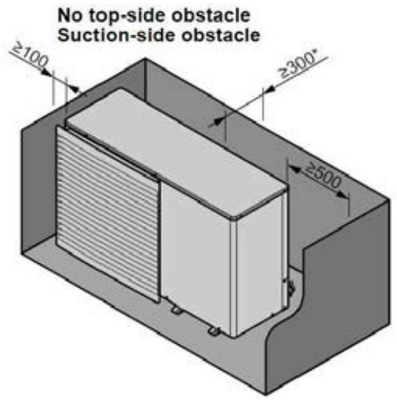
ST 213: EDLA High Capacity Monobloc - Third Party Controls DHW, Radiators & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-213 (3 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	minimum 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

UNBOXING LARGE MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	29.08.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW, RADIATOR & UFH

Drawing Status:
PRELIMINARY

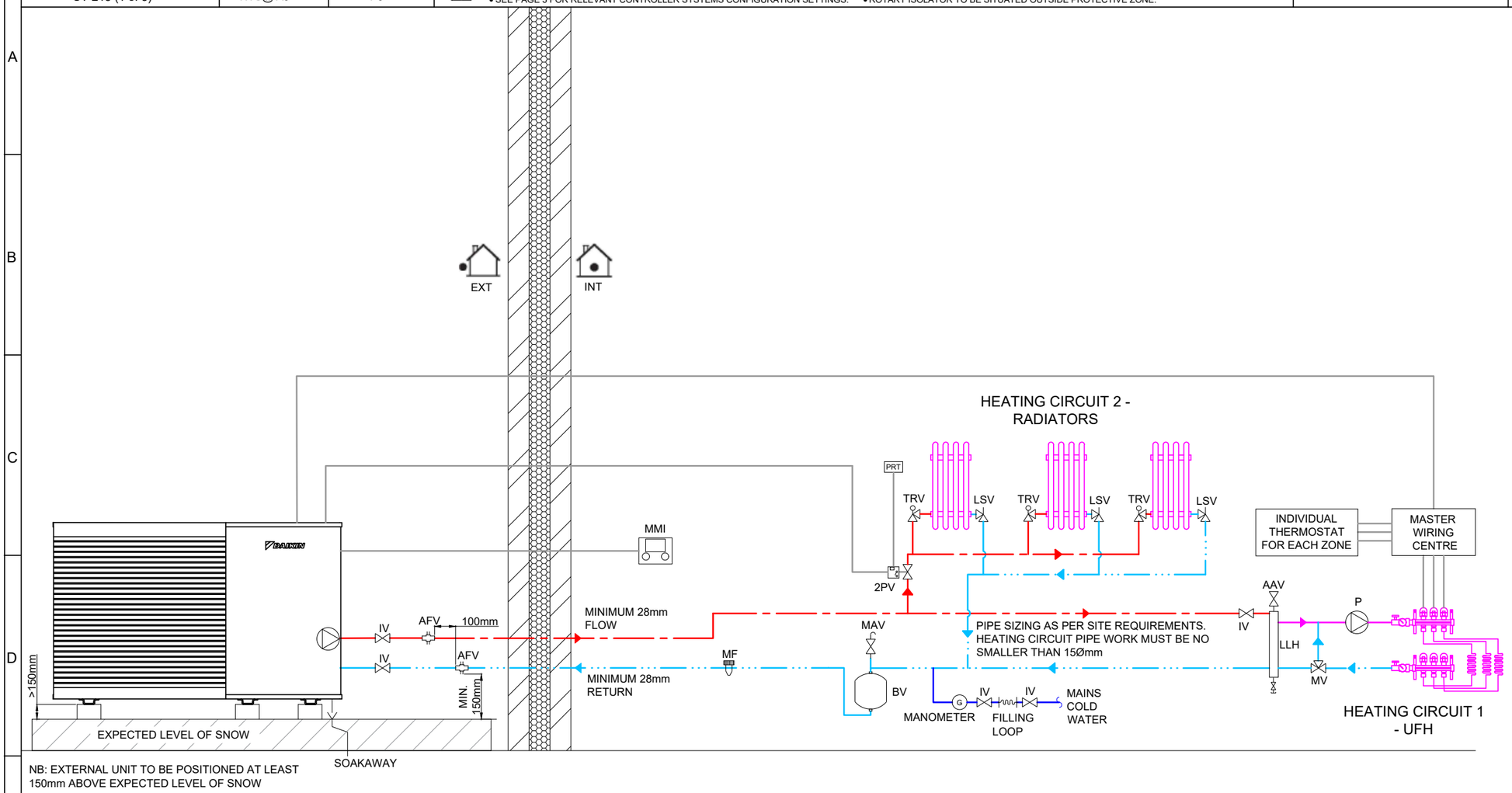
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 215: EDLA High Capacity Monobloc - Third Party Controls Radiators & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-215 (1 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TPV	2 PORT MOTORISED VALVE
AAV	AUTOMATIC AIR VENT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

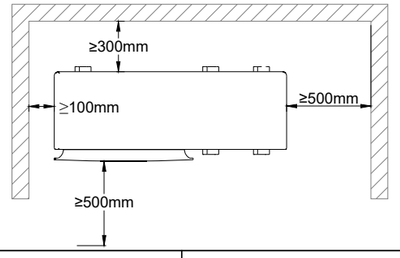
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	06.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

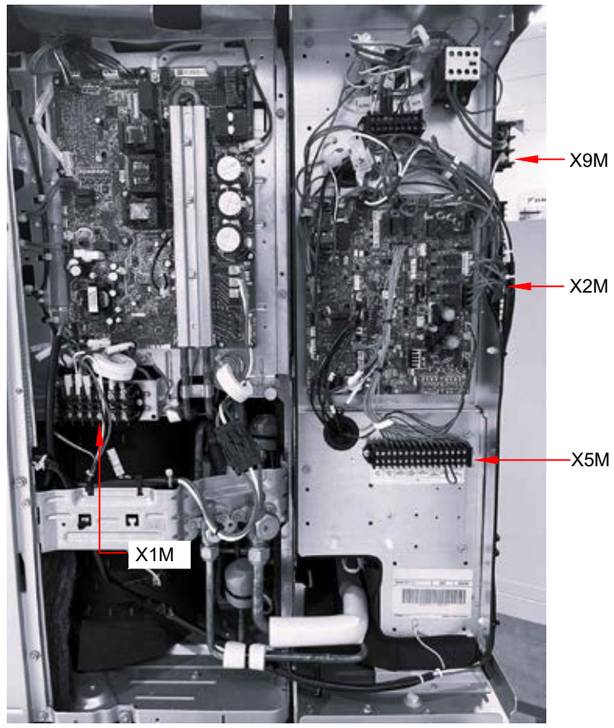
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

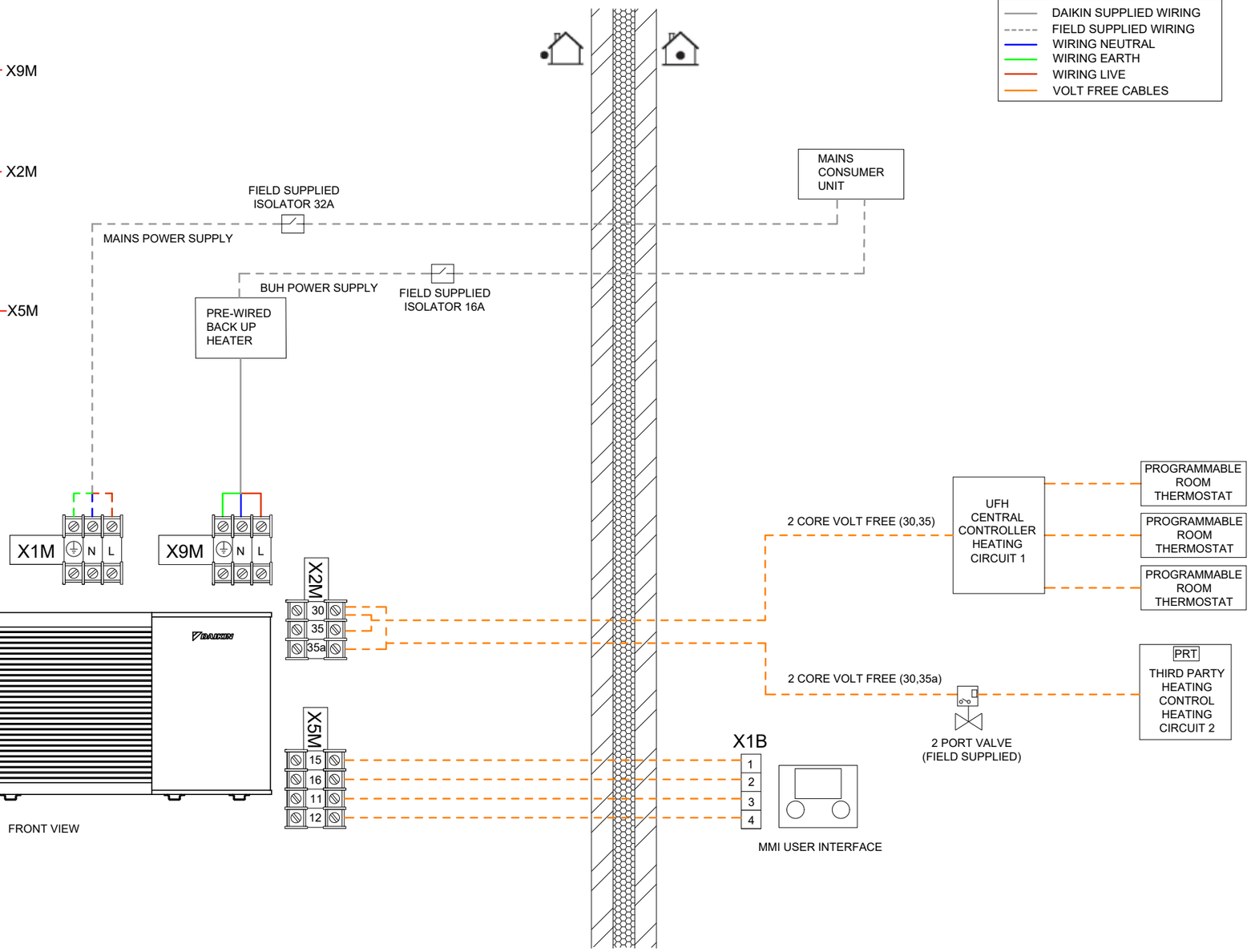
DAIKIN altherma

ST 215: EDLA High Capacity Monobloc - Third Party Controls Radiators & UFH - **Electrical**

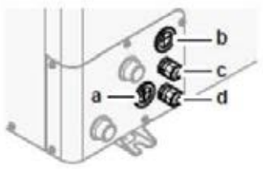
Drawing Number:	Scale:	Revision:
ST-215 (2 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.





a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW

High-Capacity

FRONT VIEW

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	06.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

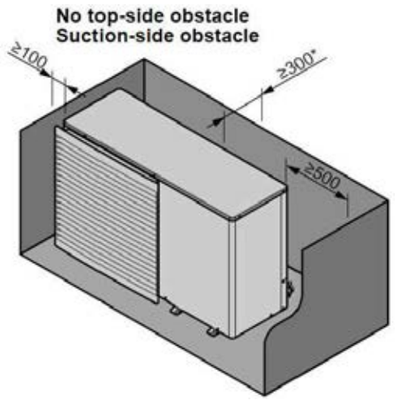
ST 215: EDLA High Capacity Monobloc - Third Party Controls Radiators & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-215 (3 of 3)	NTS@ A3	P5

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	minimum 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P5	PHASE 2 UPDATES	PBM	SB	06.09.24
P4	MIXING VALVE UPDATED	PBM	SB	27.03.24
P3	WIRING CONNECTION UPDATED	PBM	SB	07.09.23
P2	TABLE UPDATE	PBM	SB	28.07.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
RADIATOR & UFH

Drawing Status:
PRELIMINARY

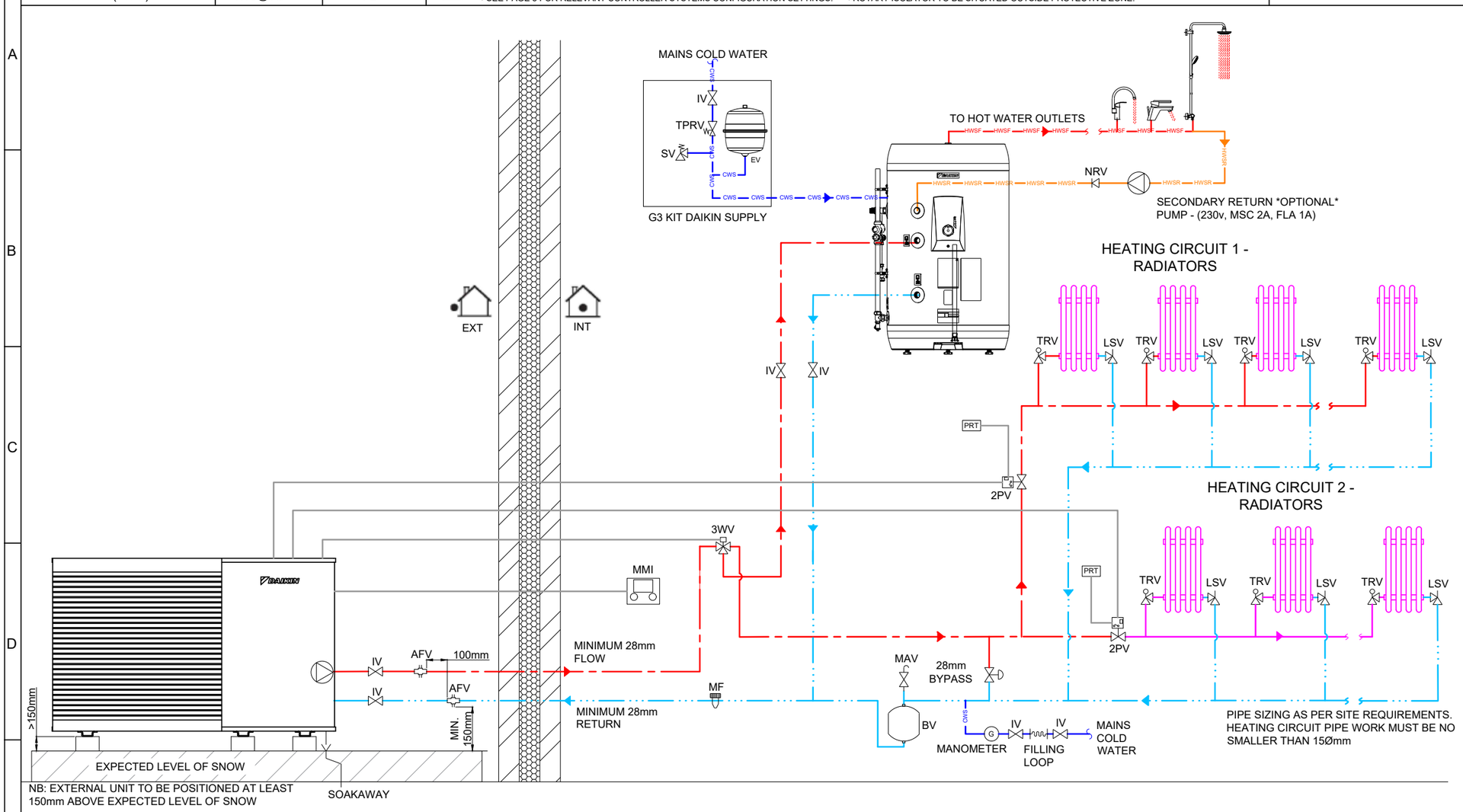
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 217: EDLA High Capacity Monobloc - Third Party Cylinder DHW & 2 Zone Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-217 (1 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

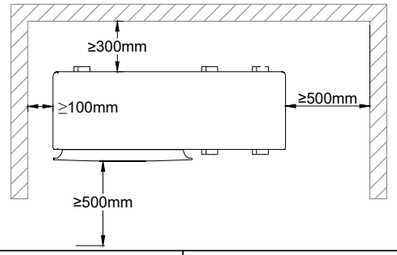
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

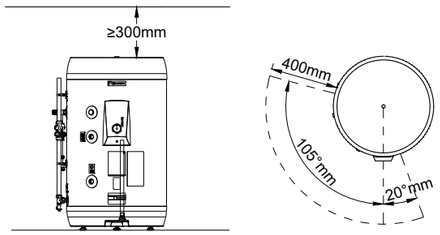
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



D-SERIES SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	28.08.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW& 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 217: EDLA High Capacity Monobloc - Third Party Cylinder DHW & 2 Zone Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-217 (2 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
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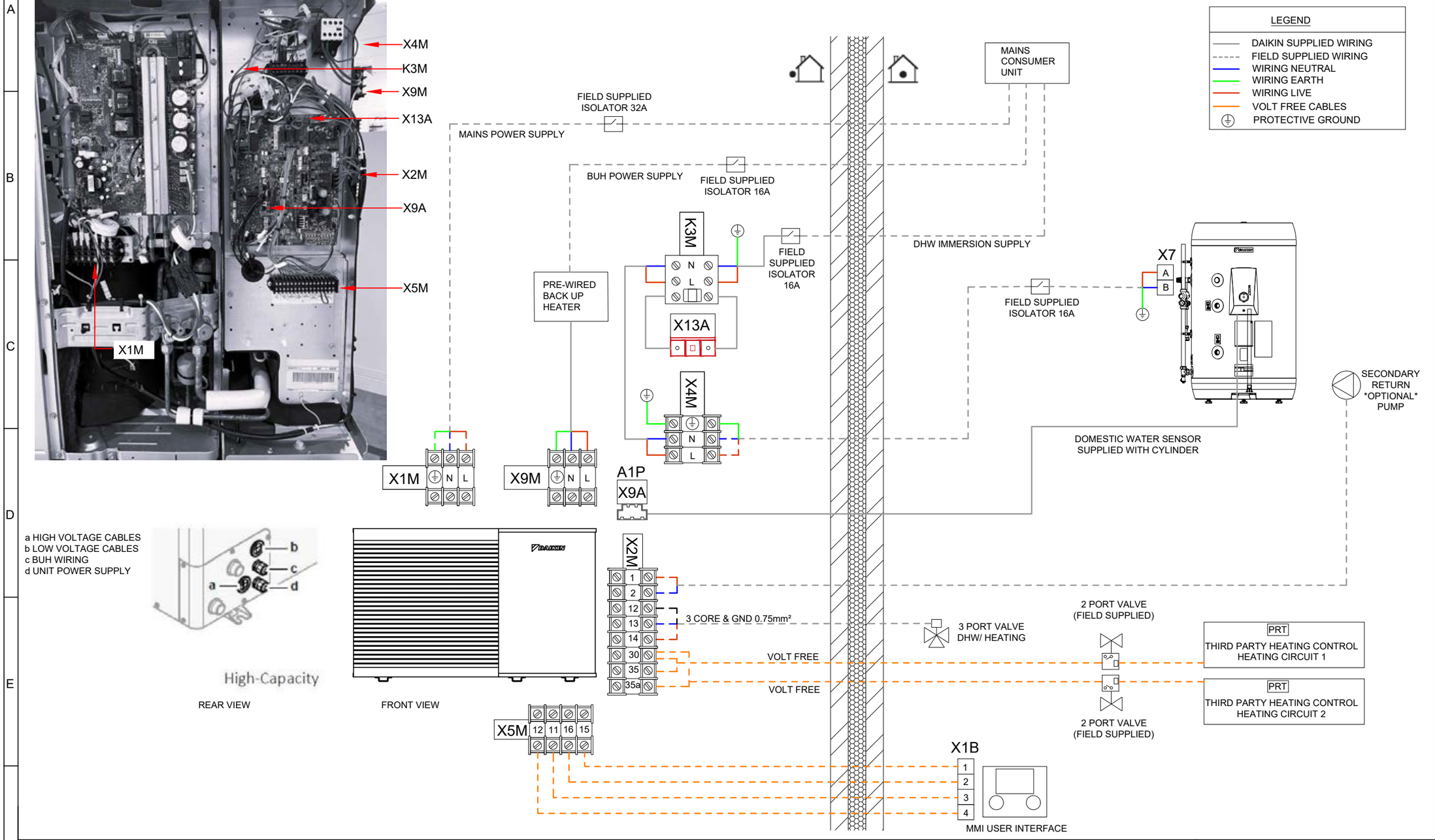

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW& 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 217: EDLA High Capacity Monobloc - Third Party Cylinder DHW & 2 Zone Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-217 (3 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
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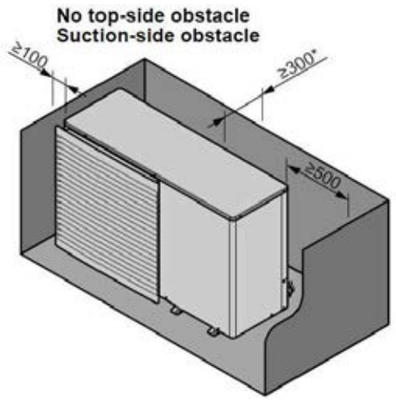
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

UNBOXING LARGE MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	28.08.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CONTROLS
DHW& 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

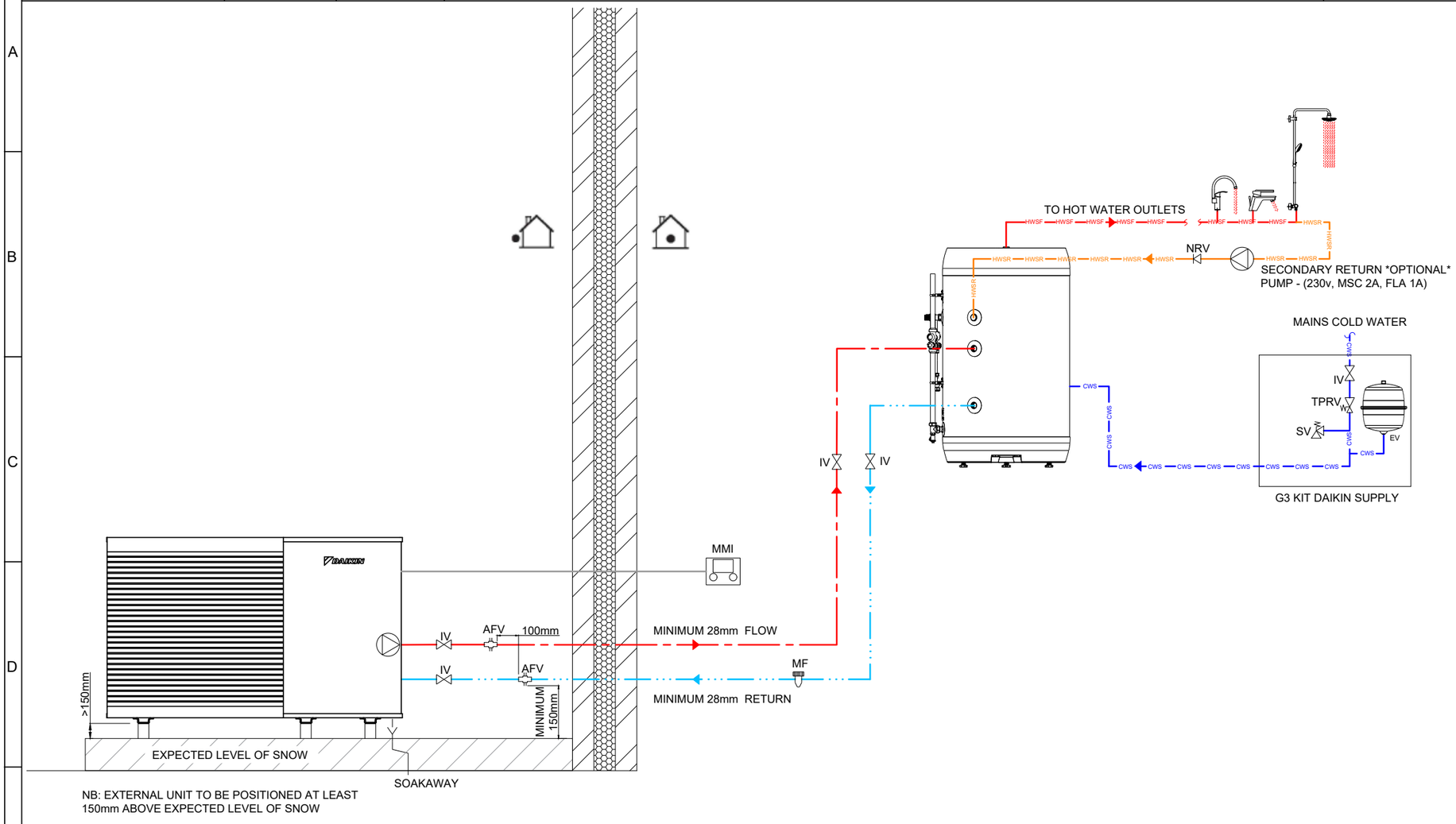
DAIKIN altherma

ST 261: EDLA High Capacity Monobloc - Third Party Controls Cylinder & DHW - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-261 (1 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.

- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
HWSF	HWS FLOW PIPEWORK
HWSR	HWS RETURN PIPEWORK
CWS	COLD WATER PIPEWORK
LTHW FLOW	LTHW FLOW PIPEWORK
LTHW RETURN	LTHW RETURN PIPEWORK
WIRING	WIRING

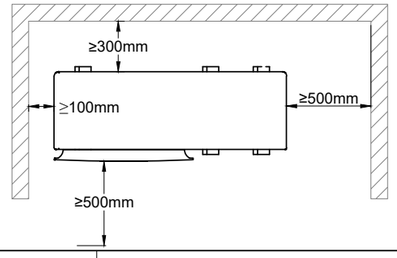
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	07.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

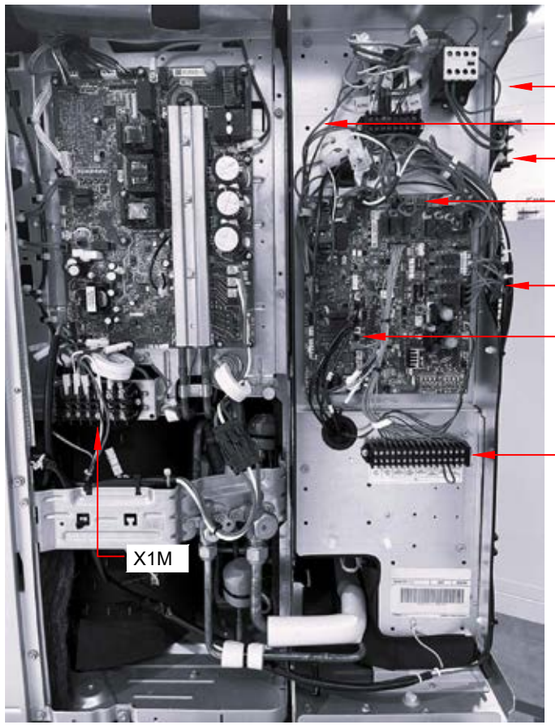
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

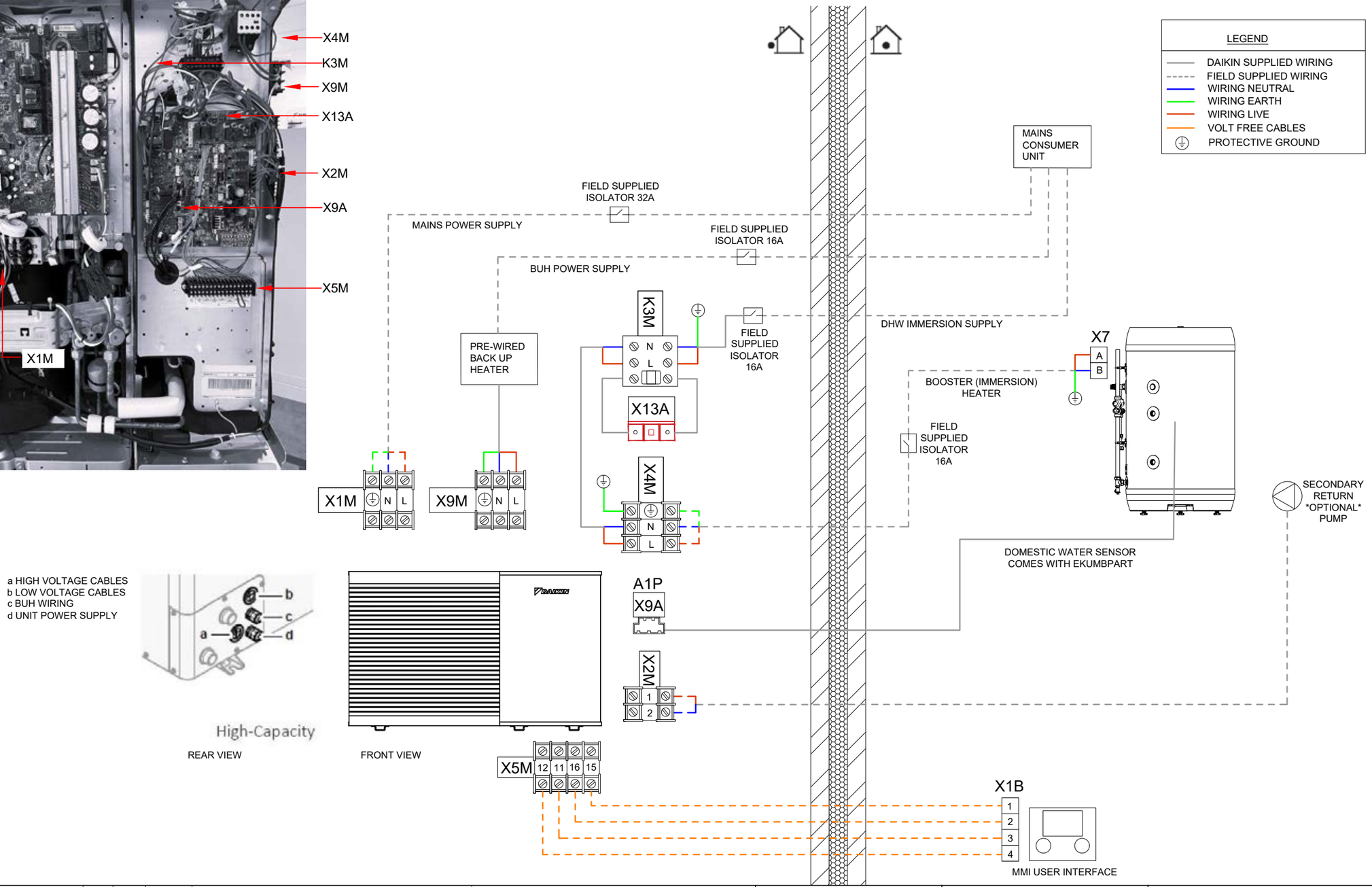
DAIKIN altherma

ST 261: EDLA High Capacity Monobloc - Third Party Controls Cylinder & DHW - **Electrical**

Drawing Number:	Scale:	Revision:
ST-261 (2 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.





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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 261: EDLA High Capacity Monobloc - Third Party Controls Cylinder & DHW - **Key Data**

Drawing Number:	Scale:	Revision:
ST-261 (3 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
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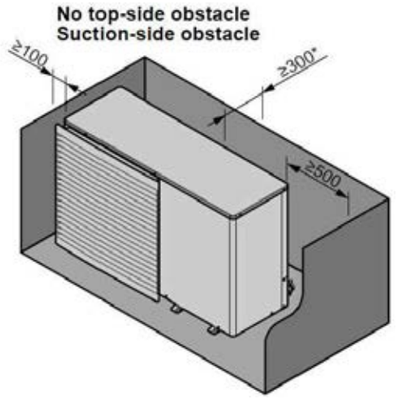
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE

EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

UNBOXING LARGE MONOBLOC

3-WAY VALVE EXPLAINED

MMI USER GUIDE

DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

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P2	PHASE 2 UPDATES	PBM	SB	07.09.24
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DOMESTIC HOT WATER

Drawing Status:
PRELIMINARY

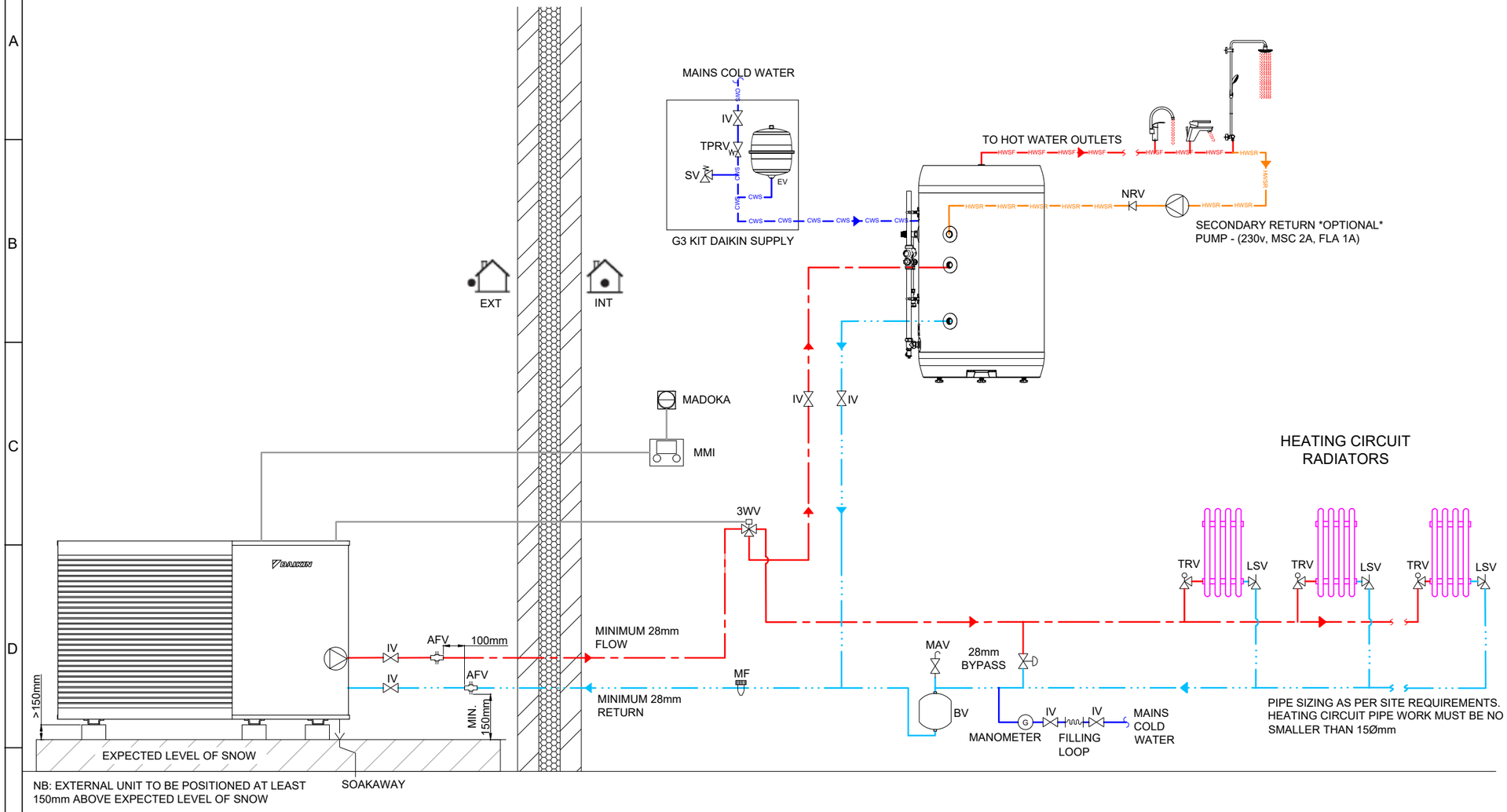
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 262: EDLA High Capacity Monobloc - Third Party Cylinder DHW & Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-262 (1 of 3)	NTS@A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

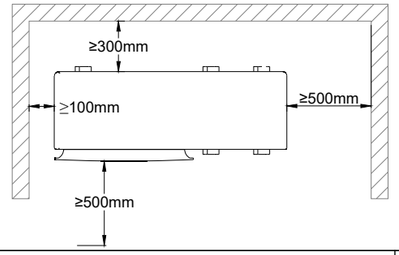
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW, AND RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 262: EDLA High Capacity Monobloc - Third Party Cylinder DHW & Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-262 (2 of 3)	NTS@A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
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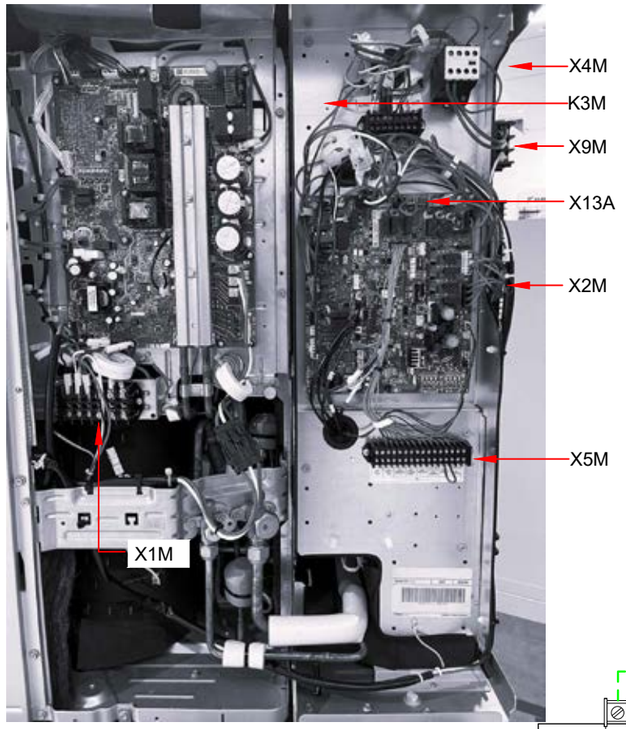
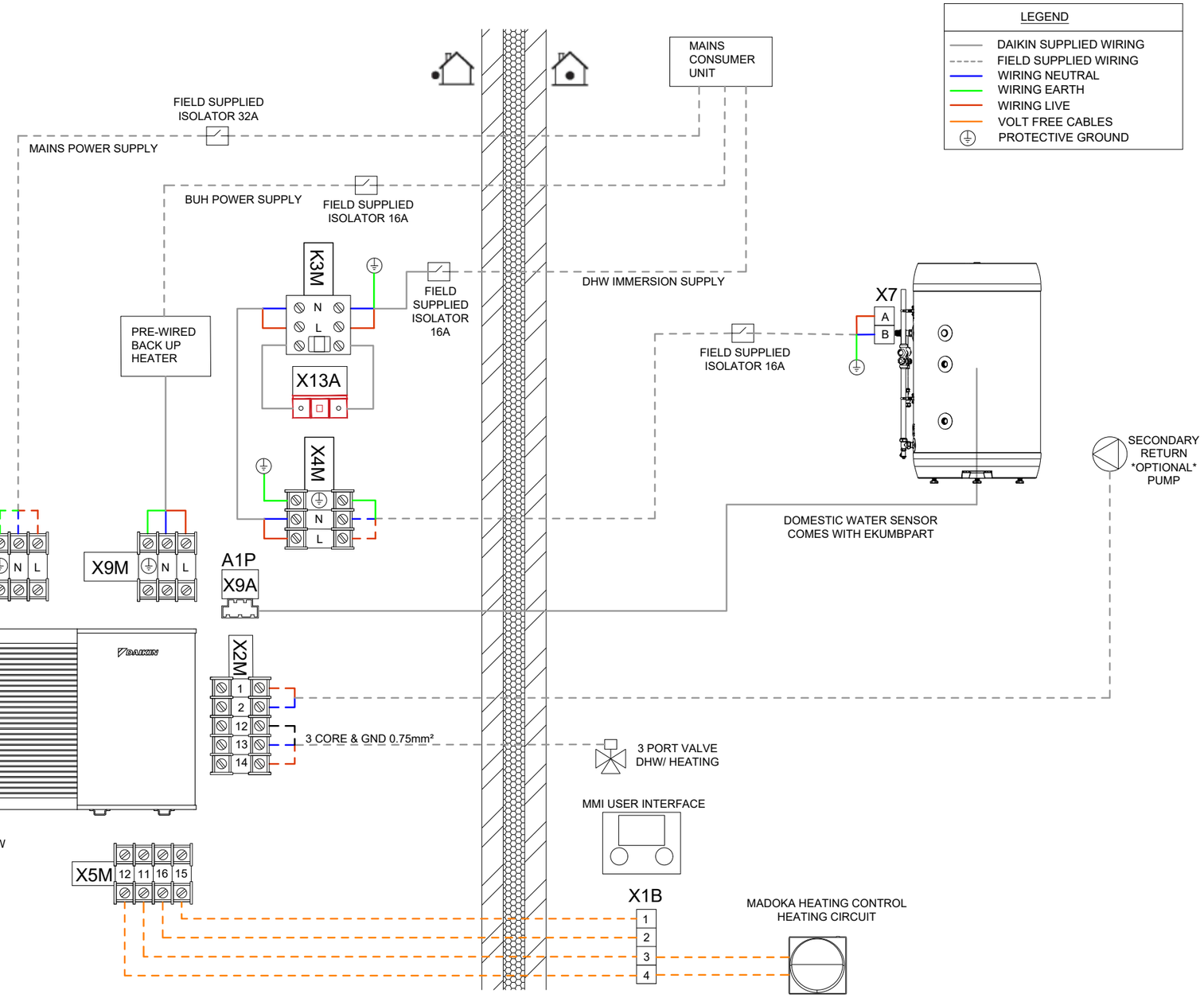
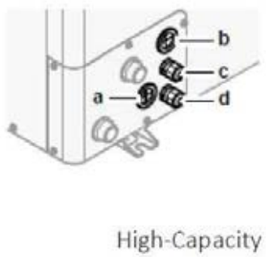




a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW, AND RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 262: EDLA High Capacity Monobloc - Third Party Cylinder DHW & Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-262 (3 of 3)	NTS@A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
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- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
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FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
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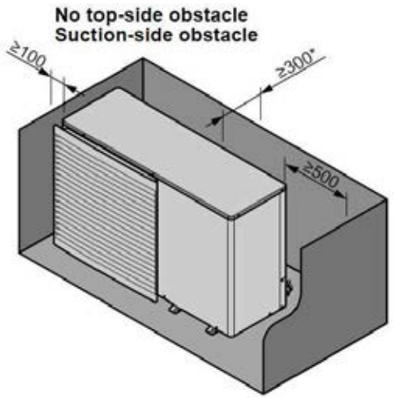

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
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	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
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	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
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	TO PERFORM AN ACTUATOR TEST RUN.
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NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
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- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
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- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW, AND RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 263: EDLA High Capacity Monobloc - Third Party Cylinder DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-263 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
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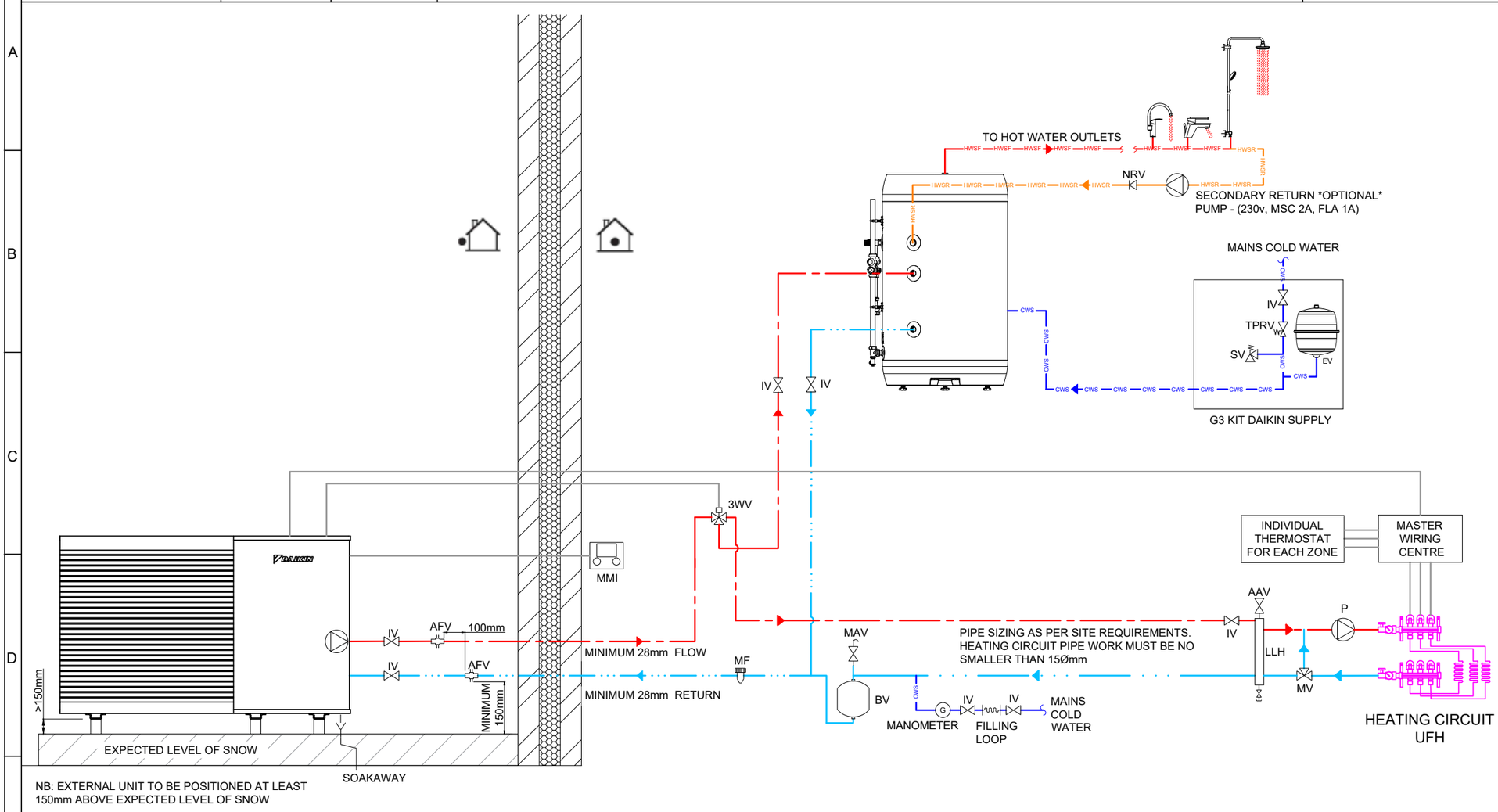
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
3WV	3 PORT VALVE
BPV	AUTOMATIC BYPASS
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
LLH	LOW LOSS HEADER
AAV	AUTOMATIC AIR VENT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

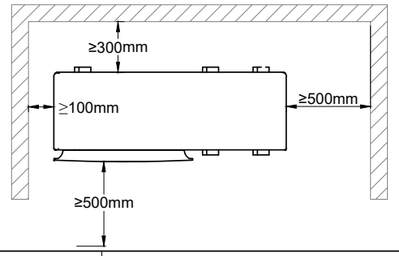
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

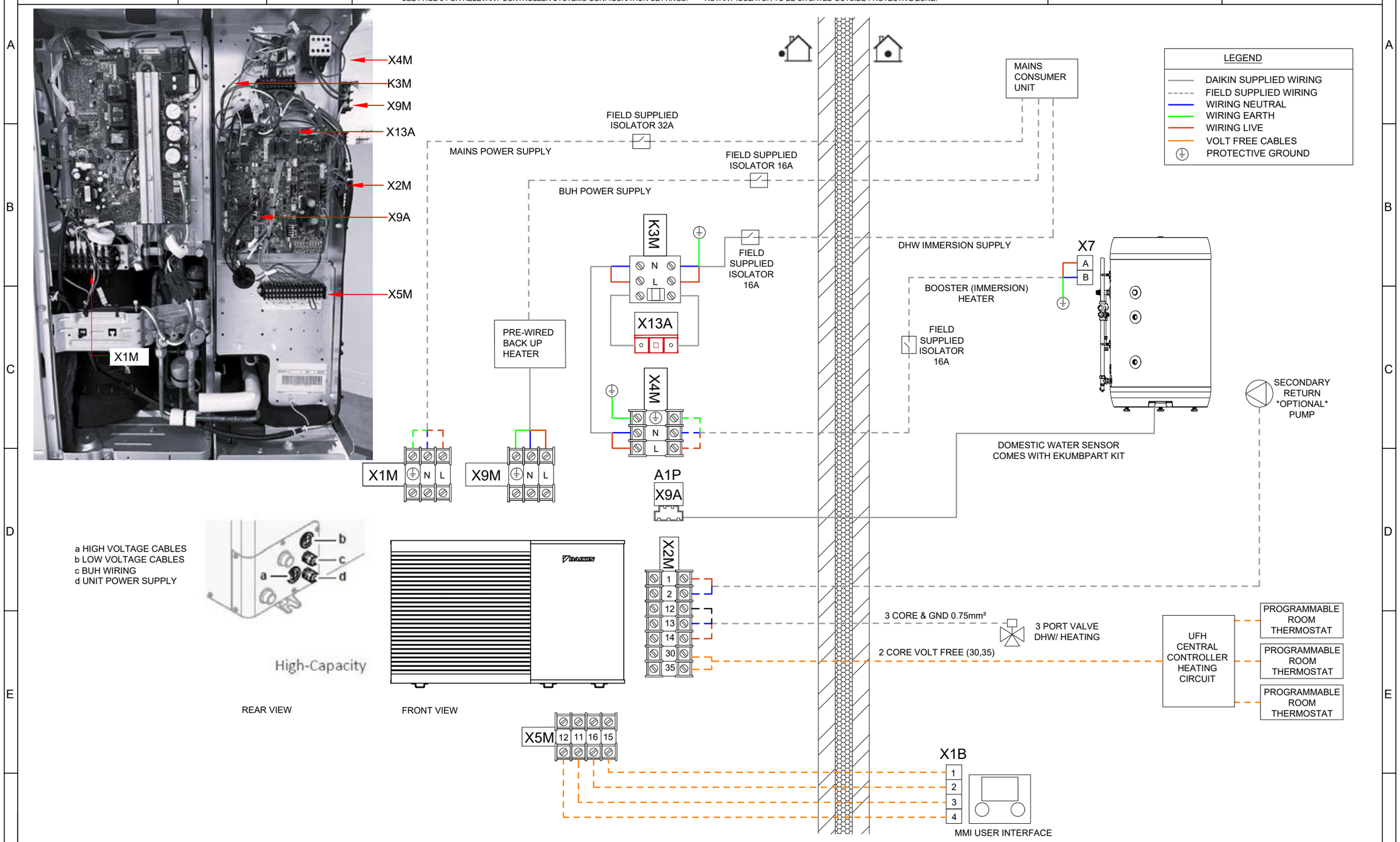
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 263: EDLA High Capacity Monobloc - Third Party Cylinder DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-263 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 263: EDLA High Capacity Monobloc - Third Party Cylinder DHW & UFH - **Key Data**

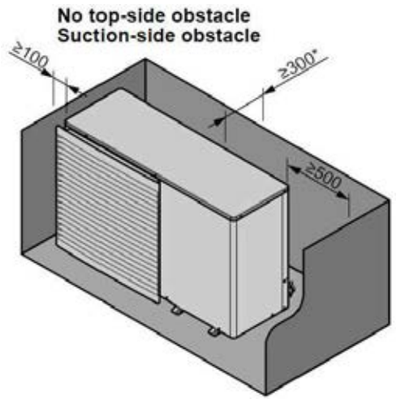
Drawing Number:	Scale:	Revision:
ST-263 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE

EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS

PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER,
DHW & UFH

Drawing Status:
PRELIMINARY

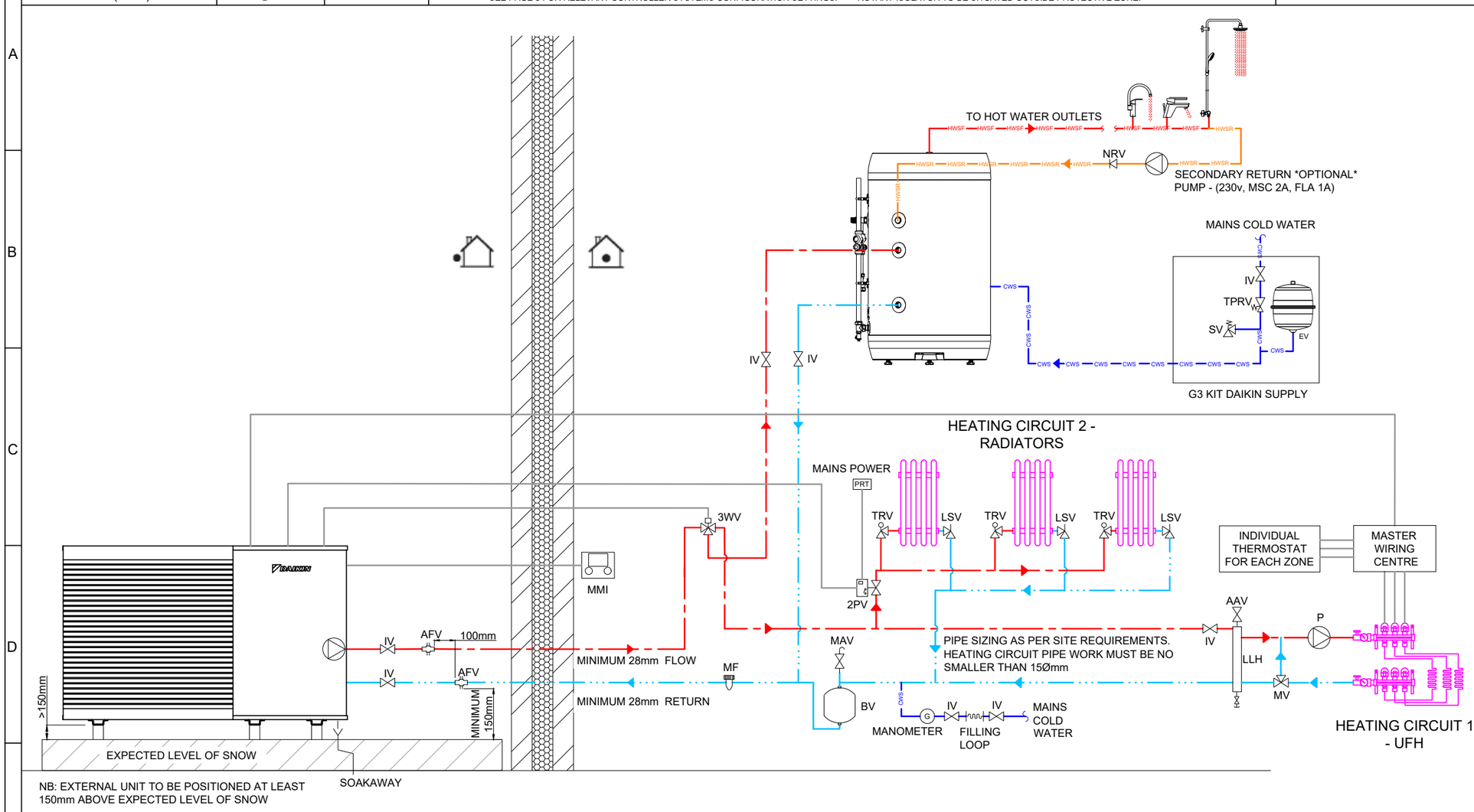
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 266: EDLA High Capacity Monobloc - Third Party Controls, Third Party Cylinder, DHW, Radiators & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-266 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST
150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
AAV	AUTOMATIC AIR VENT
2PV	2 PORT MOTORISED VALVE
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

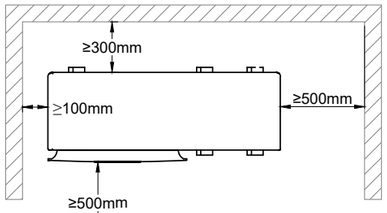
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

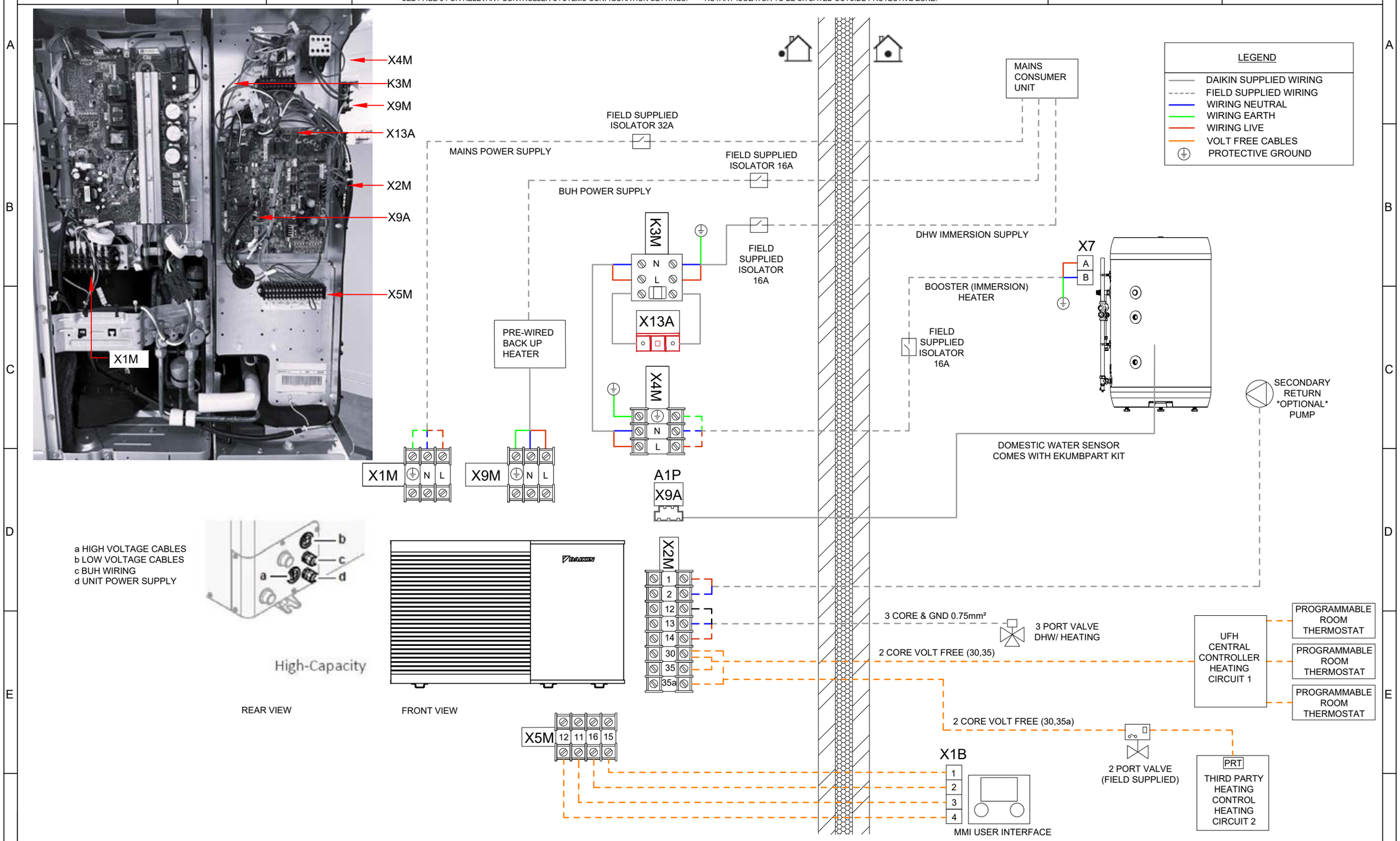
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 266: EDLA High Capacity Monobloc - Third Party Controls, Third Party Cylinder, DHW, Radiators & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-266 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

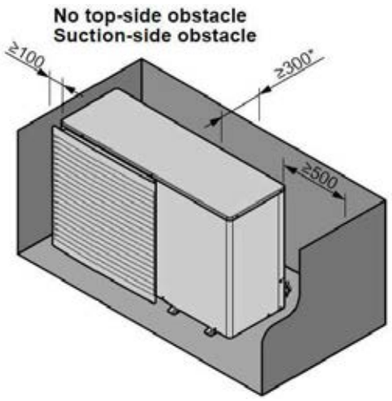
DAIKIN altherma

ST 266: EDLA High Capacity Monobloc - Third Party Controls, Third Party Cylinder, DHW, Radiators & UFH - **Key Data**

Drawing Number:	Scale:	Revision:	
ST-266 (3 of 3)	NTS@ A3	P3	• SEE PAGE 1 FOR MECHANICAL SET UP. • SEE PAGE 2 FOR DETAILED WIRING. • SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS. • DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING • OPTIONAL FOR HEAT METERS • ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	28.08.24
P2	MIXING VALVE UPDATED	PBM	SB	27.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

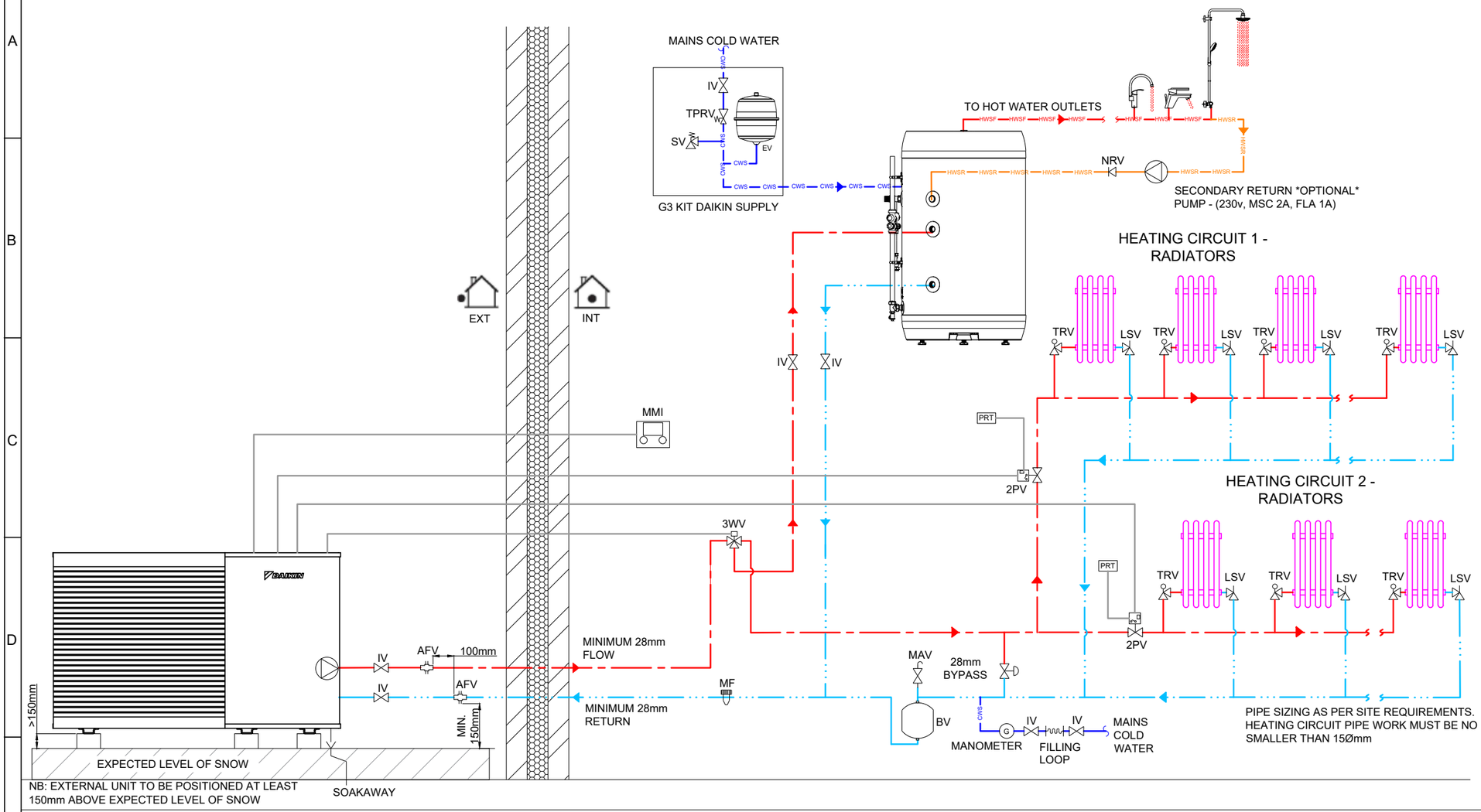
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 268: EDLA High Capacity Monobloc - Third Party Cylinder DHW, Radiators & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-268 (1 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



LEGEND

IV	ISOLATION VALVE
SCV	STOP COCK VALVE
P	PUMP
MAV	MANUAL AIR VALVE
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
3WV	3 PORT VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
BPV	AUTOMATIC BYPASS
TPRV	TEMPERATURE & PRESSURE RELIEF VALVE
SV	SAFETY VALVE
MF	FERNOX MAGNETIC FILTER
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
BV	BUFFER VESSEL
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

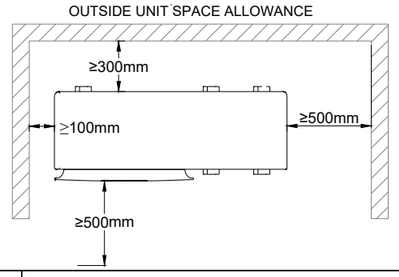
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



Rev	Description	Engineer	Checked	Date
P1	PRELIMINARY ISSUE	PBM	SB	06.09.2024

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 268: EDLA High Capacity Monobloc - Third Party Cylinder DHW, Radiators & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-268 (2 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
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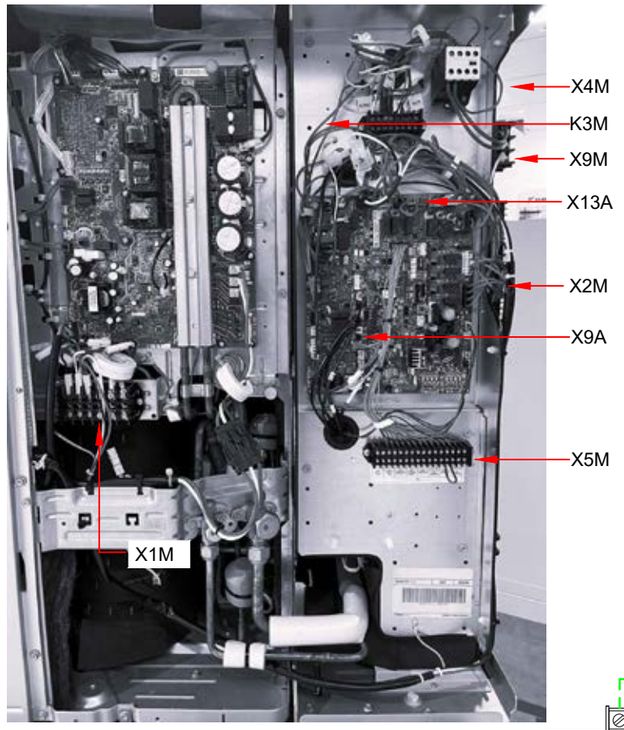
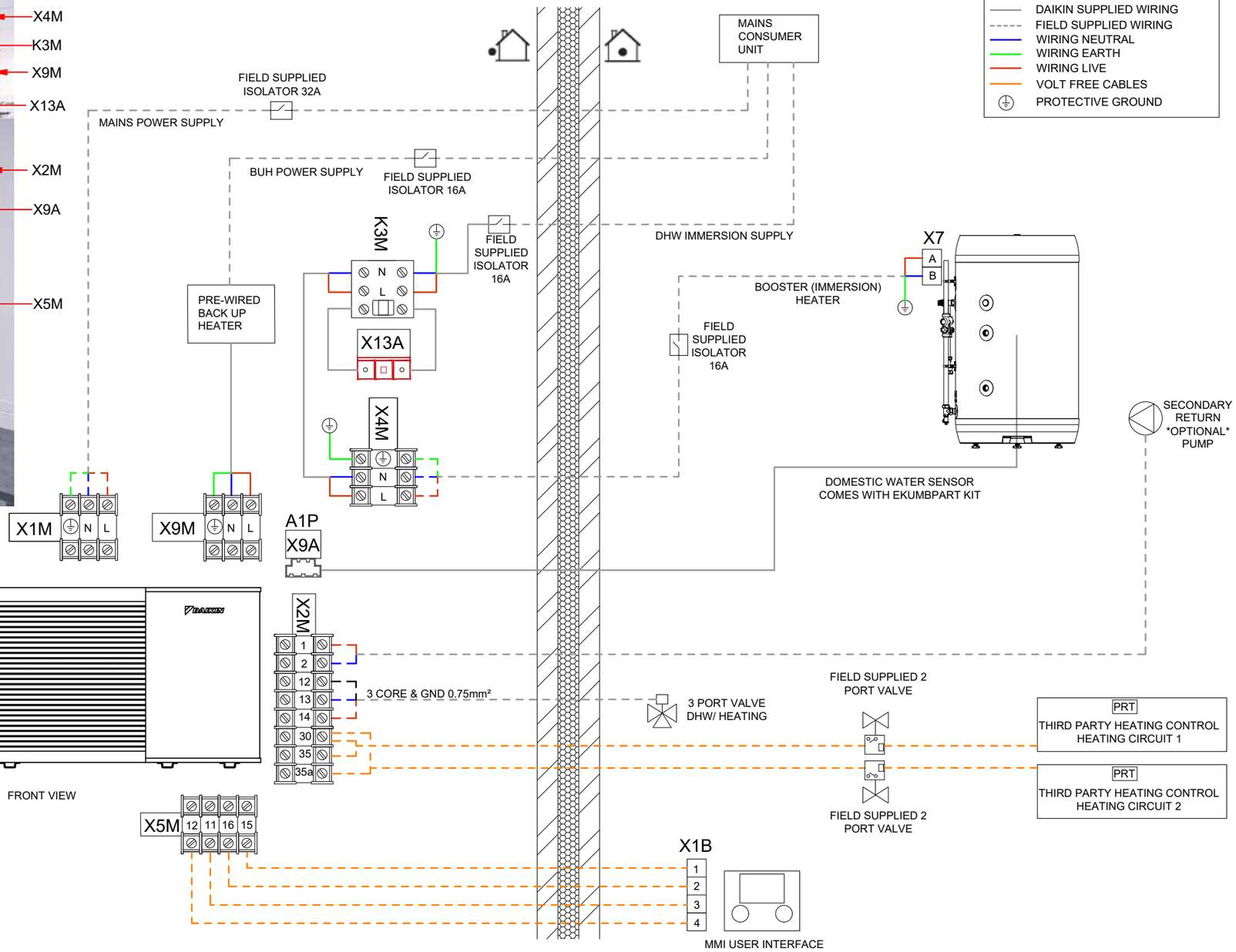
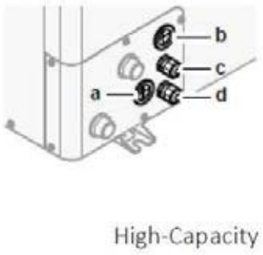
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

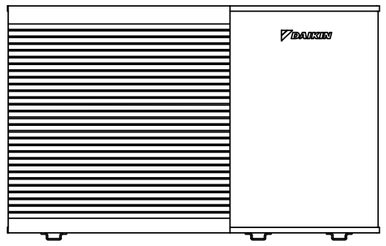




a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW



FRONT VIEW

Rev	Description	Engineer	Checked	Date
P1	PRELIMINARY ISSUE	PBM	SB	06.09.2024

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

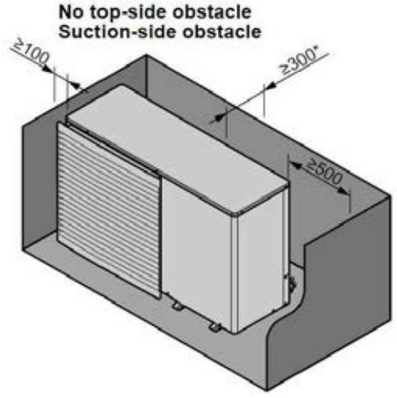
ST 268: EDLA High Capacity Monobloc - Third Party Cylinder DHW, Radiators & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-268 (3 of 3)	NTS@ A3	P1

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

THIRD PARTY TANK TECHNICAL REQUIREMENTS

The specifier must take care to ensure that the cylinder is suitable for the heat pump application.

Where a third party cylinder has been specified, Daikin strongly recommend that the specifier/installer checks the following points:

- Cylinder has a dry pocket to accommodate the Daikin cylinder sensor (Diameter 8mm, minimum recommend depth 28mm).
- The heat exchanger coil is suitably dimensioned for the heat input from the relevant heat pump.
- The immersion heater is positioned above the indirect heating coil.
- Insulation of tank and the standing heat loss meets the requirements of the current building regulations.
- Cylinder has the following approvals: G3, Water Regulations, Building Regulations, CE marked.

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
THIRD PARTY CYLINDER, THIRD PARTY
CONTROLS, DHW & 2 ZONE RADIATOR CIRCUITS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 279: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, 2 Zone Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-279 (1 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
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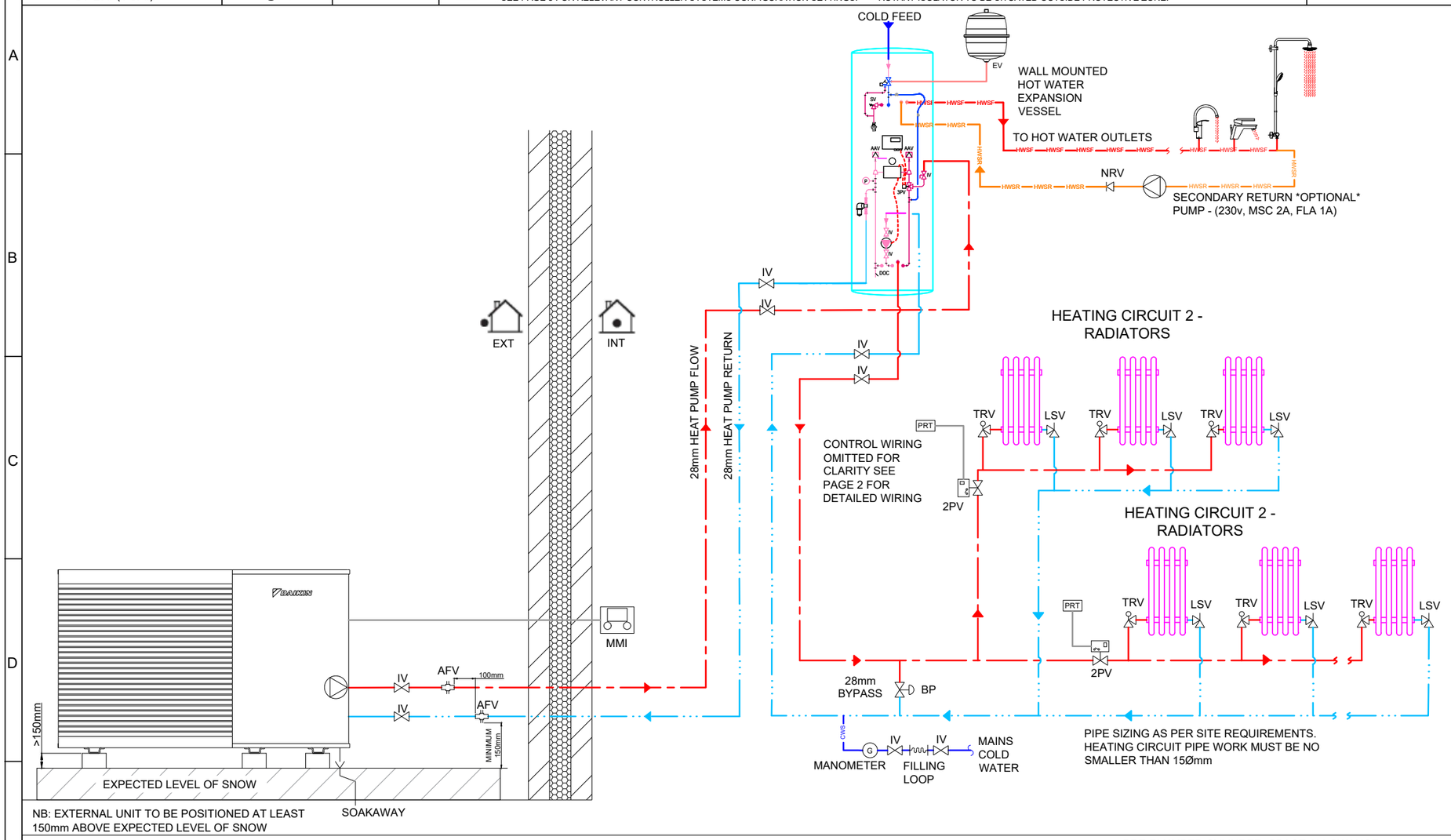
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

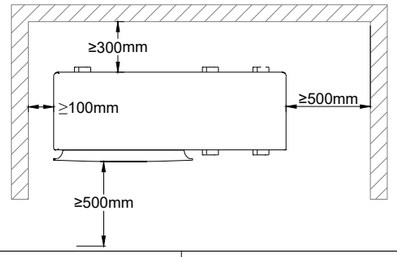
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

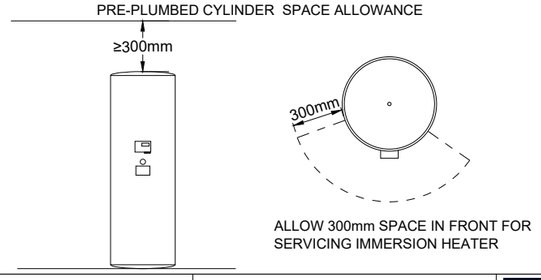
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	08.09.24
P1	PRELIMINARY ISSUE	PBM	SB	07.08.24

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW & 2 ZONE RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 279: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, 2 Zone Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-279 (2 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
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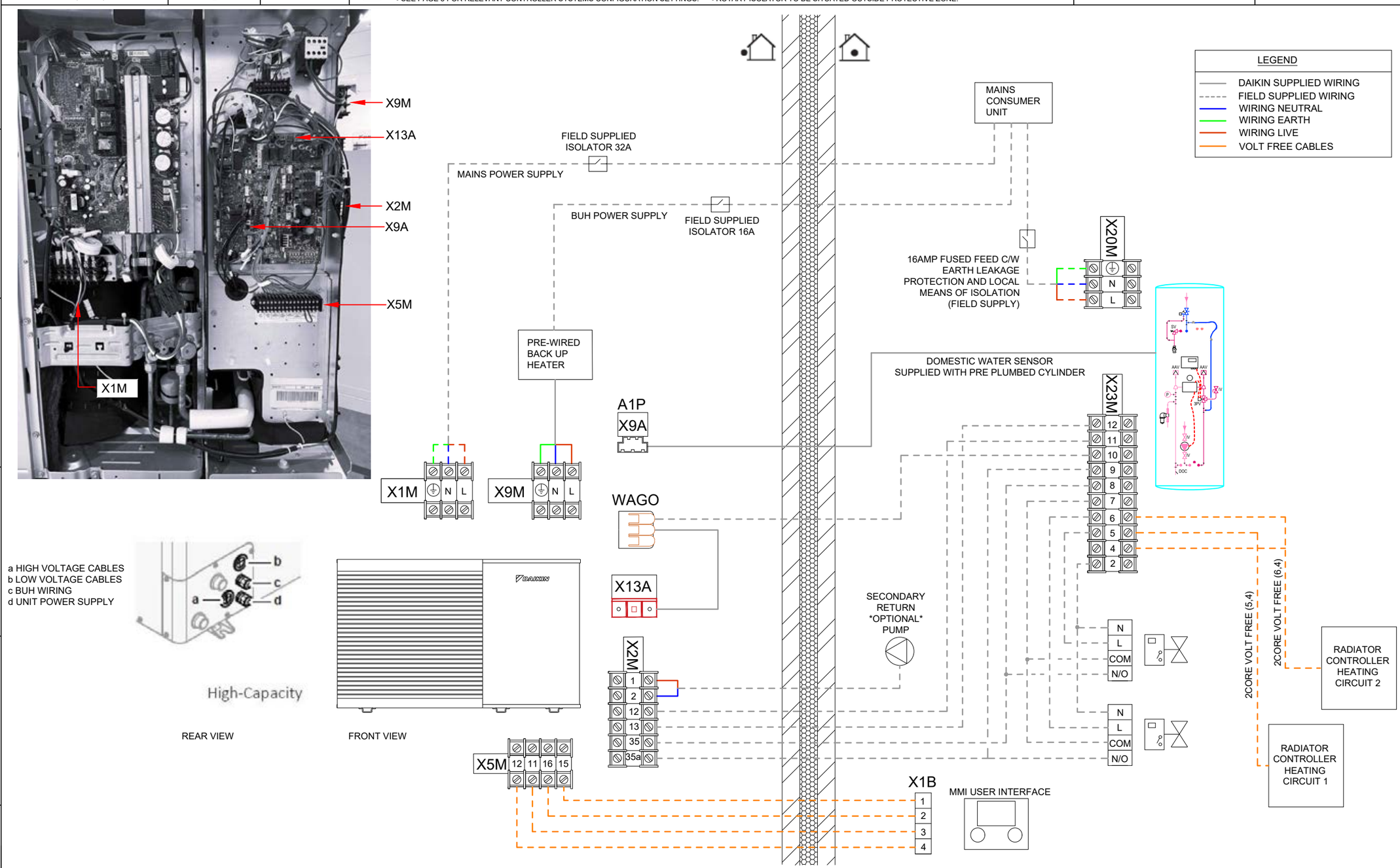

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PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, & 2 ZONE RADIATORS

Drawing Status:
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ST 279: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, 2 Zone Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-279 (3 of 3)	NTS@ A3	P2

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FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
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MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
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FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
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WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
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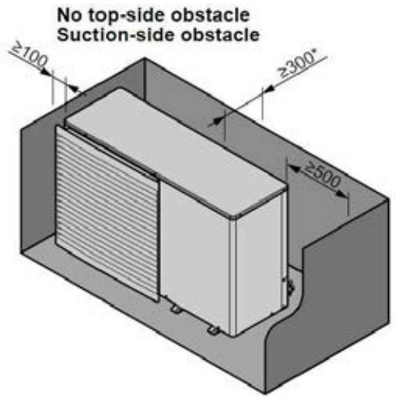

INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	28.08.24
P1	PRELIMINARY ISSUE	PBM	SB	07.08.24

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW & 2 ZONE RADIATORS

Drawing Status:
PRELIMINARY

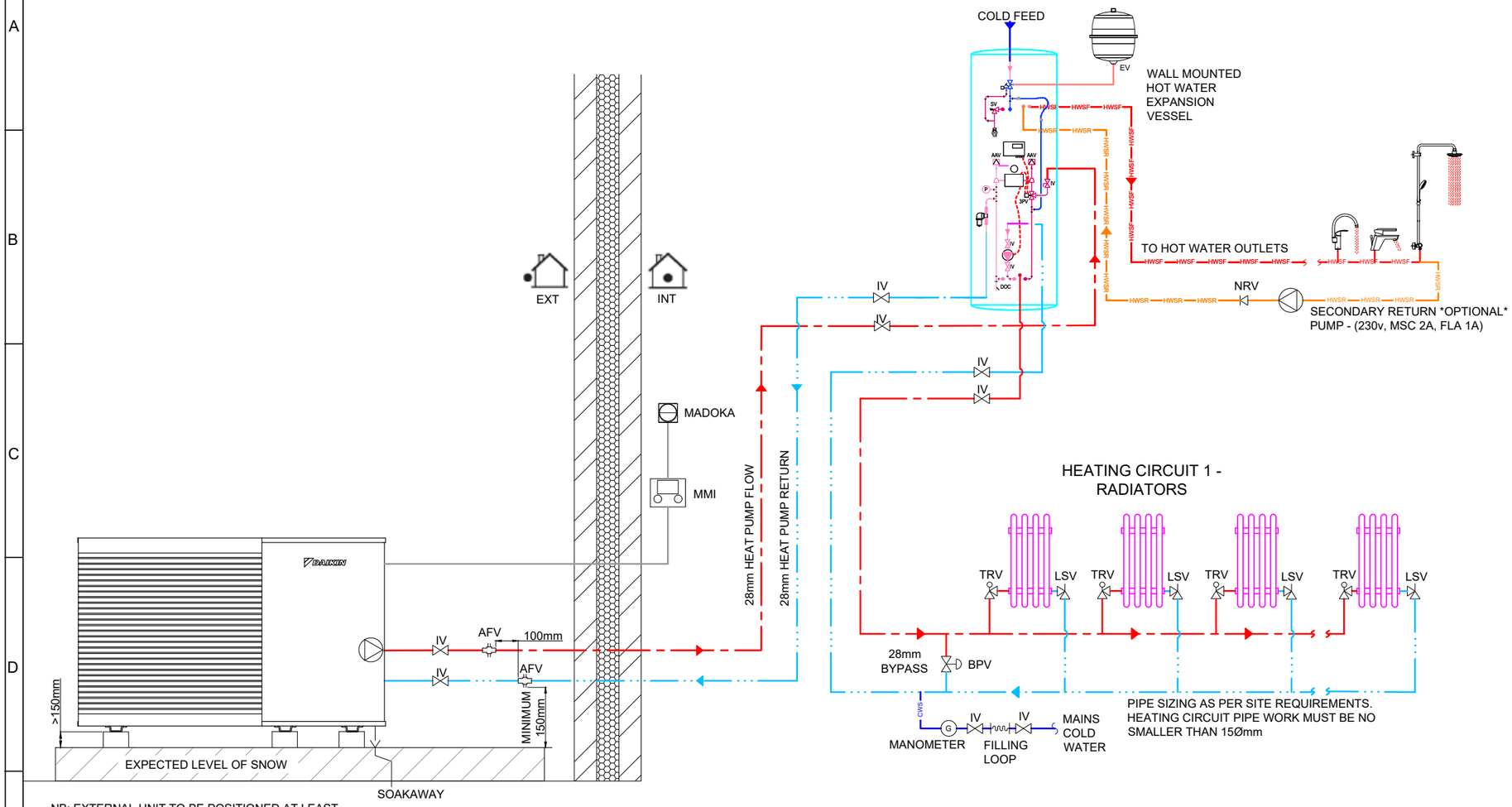
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 282: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & Radiators - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-282 (1 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
TRV	THERMOSTATIC RADIATOR VALVE
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

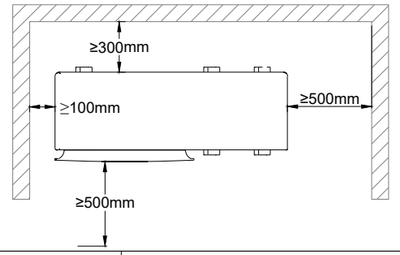
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

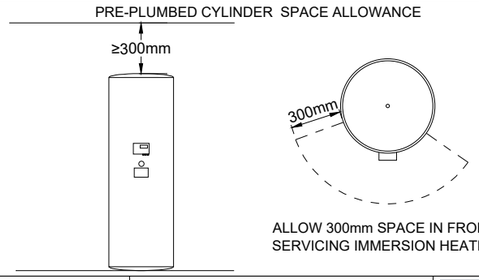
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	08.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE) PRE PLUMBED
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& RADIATORS

Drawing Status:
PRELIMINARY

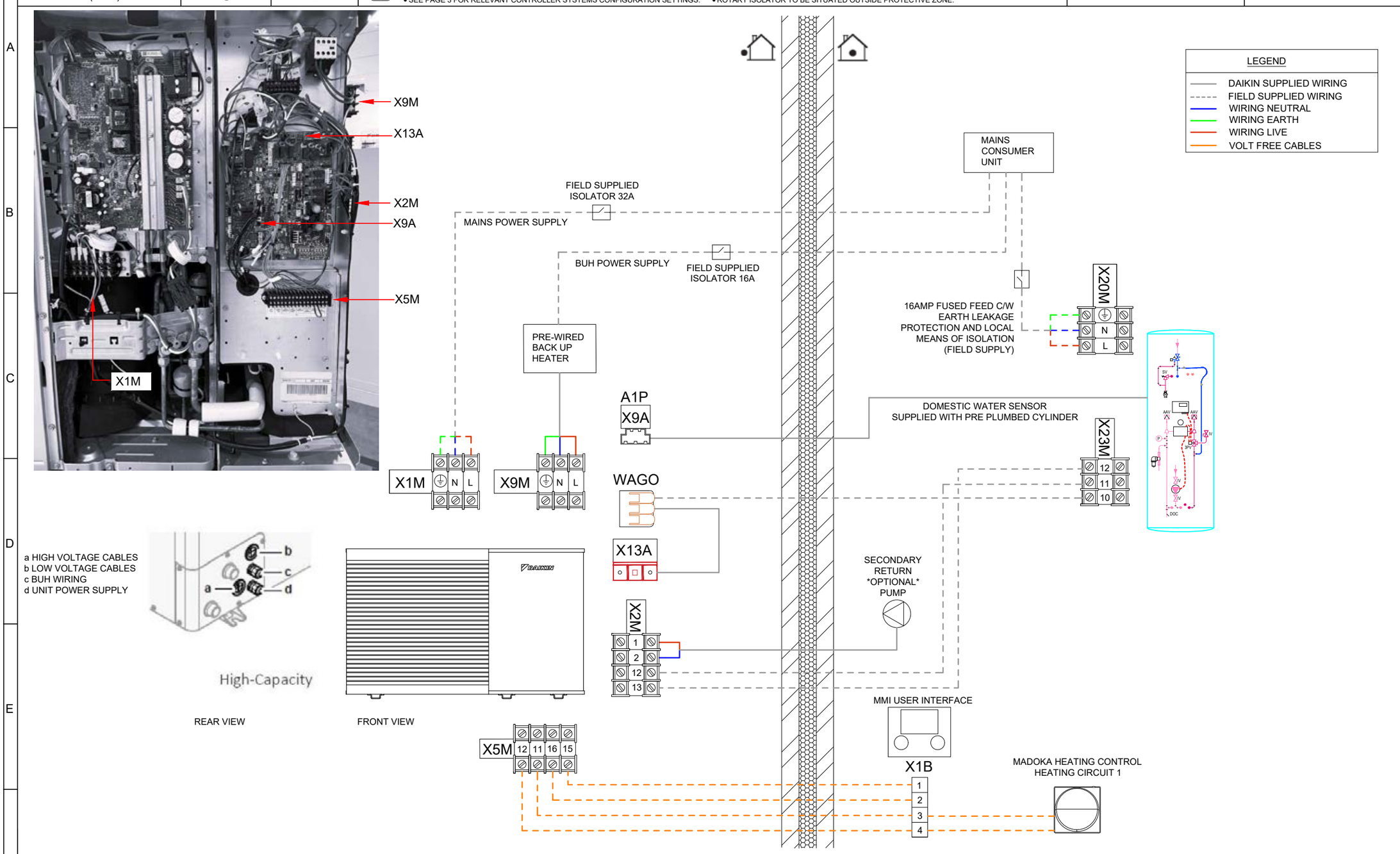
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 282: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & Radiators - **Electrical**

Drawing Number:	Scale:	Revision:
ST-282 (2 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	08.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE),
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& RADIATORS

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

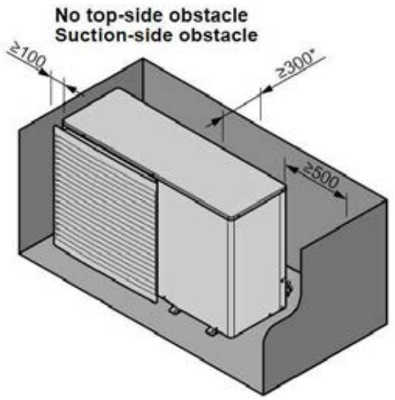
ST 282: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & Radiators - **Key Data**

Drawing Number:	Scale:	Revision:
ST-282 (3 of 3)	NTS@ A3	P2

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P2	PHASE 2 UPDATES	PBM	SB	08.09.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& RADIATORS

Drawing Status:
PRELIMINARY

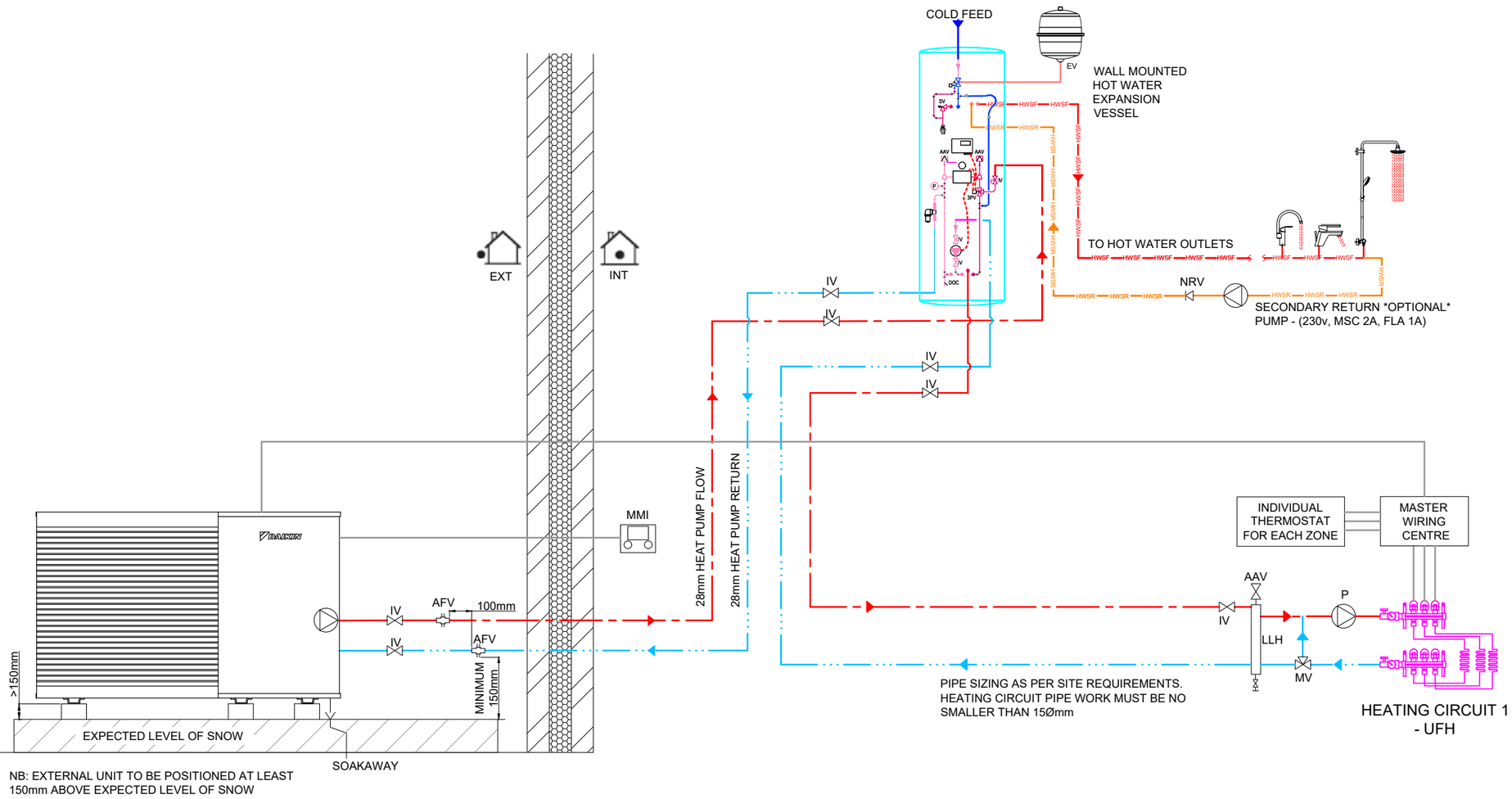
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 283: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-283 (1 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

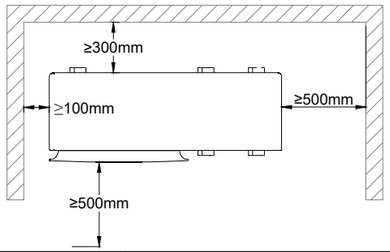
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

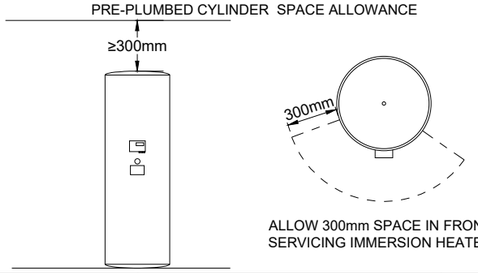
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	08.09.24
P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

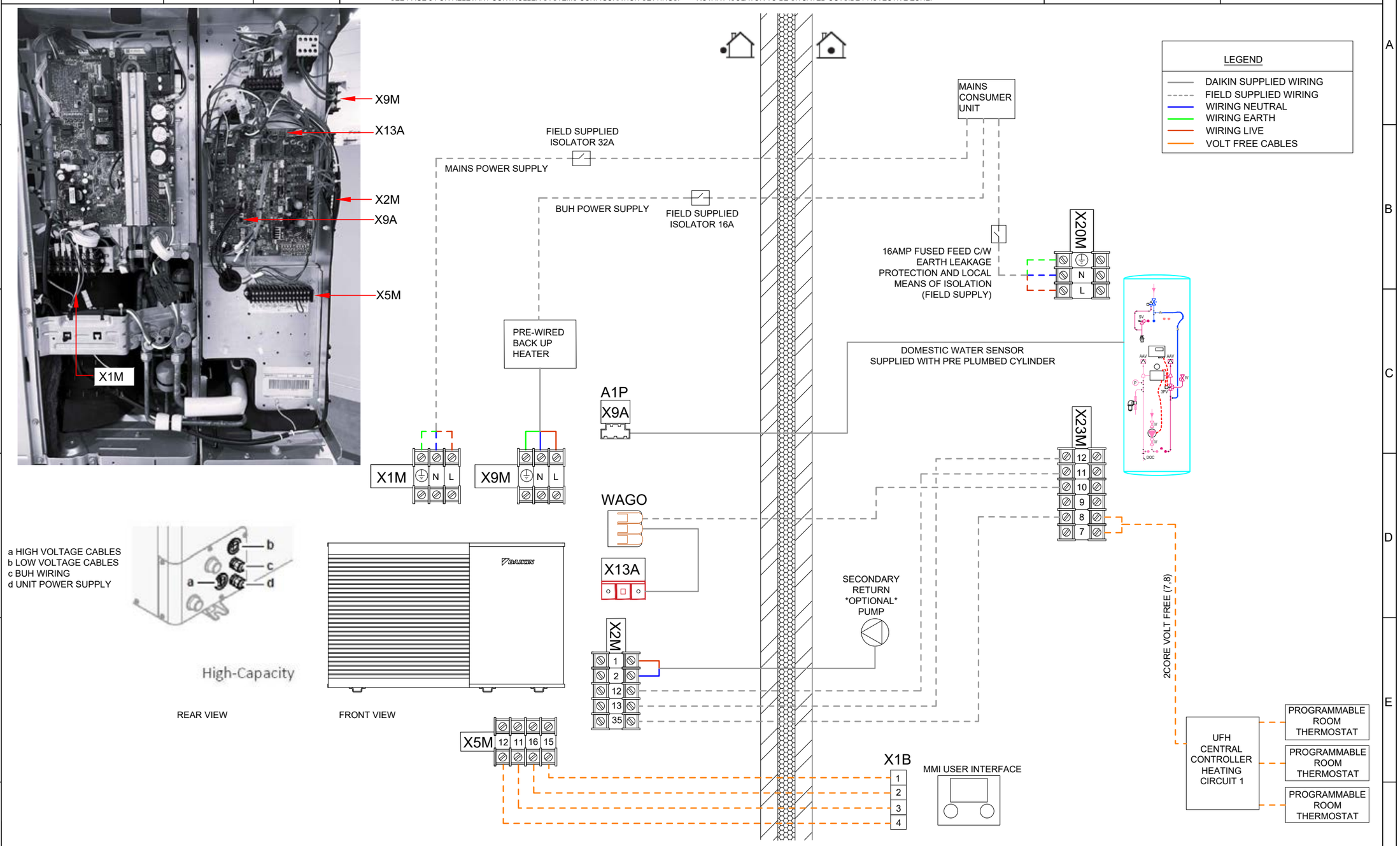
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 283: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & UFH - **Electrical**

Drawing Number:	Scale:	Revision:
ST-283 (2 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	08.09.24
P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE),
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

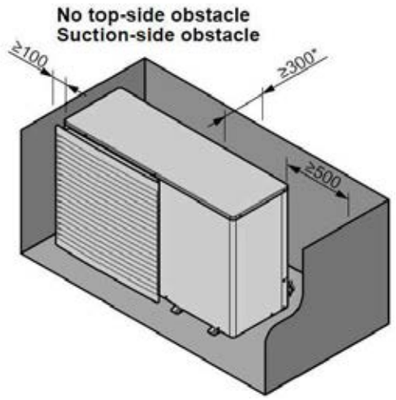
ST 283: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder DHW & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-283 (3 of 3)	NTS@ A3	P3

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
- ALL ELECTRICAL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSION OF BS7671 AND ANY LOCAL LEGISLATION'S.
- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

Rev	Description	Engineer	Checked	Date
P3	PHASE 2 UPDATES	PBM	SB	08.09.24
P2	MIXING VALVE UPDATED	PBM	SB	26.03.24
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S AND DAIKIN UK DRAWINGS AND SPECIFICATIONS.

Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, DOMESTIC HOT WATER
& UNDERFLOOR HEATING

Drawing Status:
PRELIMINARY

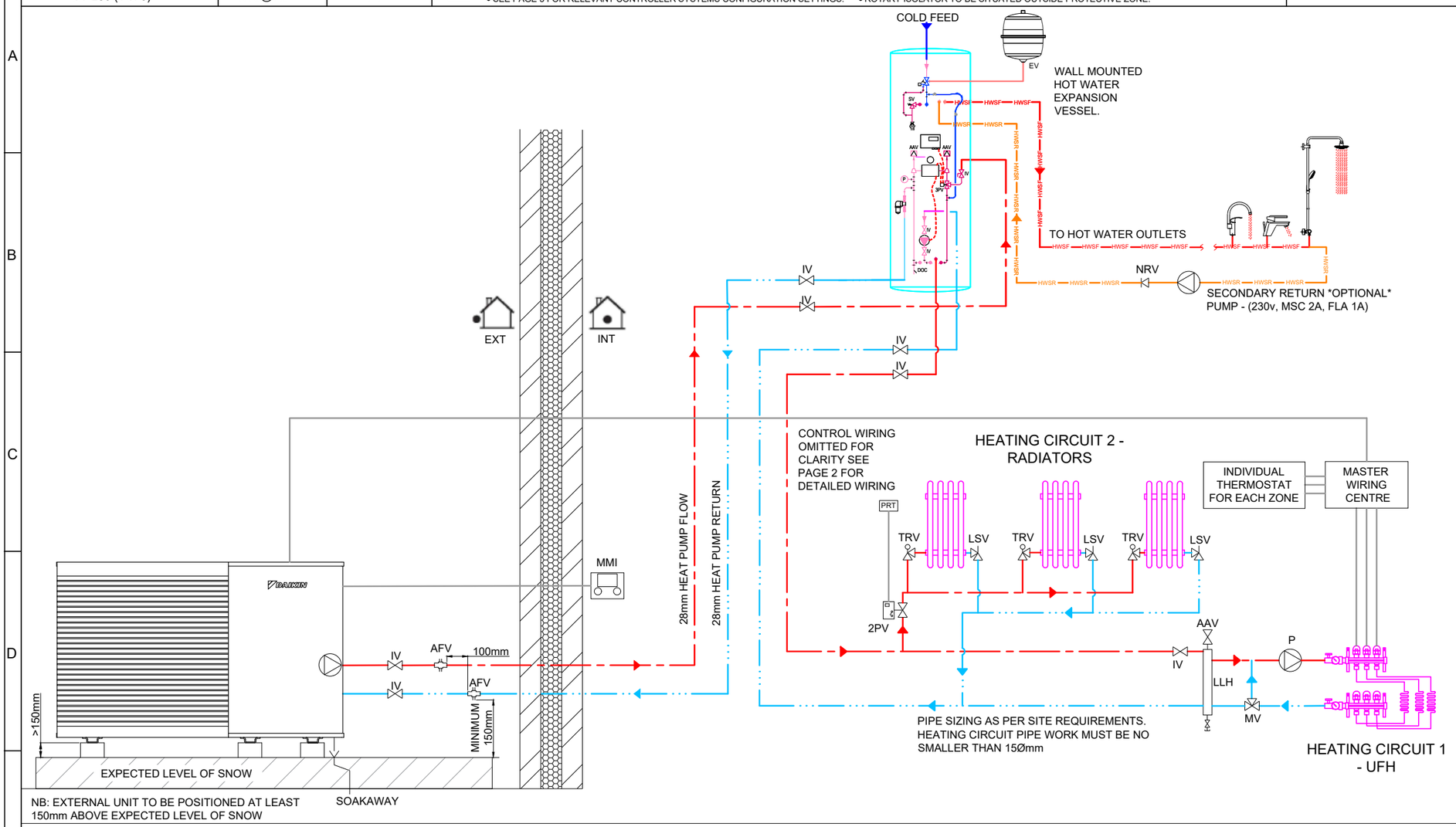
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

ST 286: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, Radiators & UFH - **Mechanical**

Drawing Number:	Scale:	Revision:
ST-286 (1 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



NB: EXTERNAL UNIT TO BE POSITIONED AT LEAST 150mm ABOVE EXPECTED LEVEL OF SNOW

LEGEND

IV	ISOLATION VALVE
MV	MIXING VALVE
P	PUMP
AFV	ANTI FREEZE VALVE
NRV	NON RETURN VALVE
LSV	LOCK SHIELD VALVE
2PV	2 PORT MOTORISED VALVE
TRV	THERMOSTATIC RADIATOR VALVE
AAV	AUTOMATIC AIR VENT
EXT	EXTERNAL
INT	INTERNAL
EV	EXPANSION VESSEL
MMI	MAN MACHINE INTERFACE
TUN	TUNDISH
LLH	LOW LOSS HEADER
PRT	PROGRAMMABLE ROOM THERMOSTAT
	LTHW FLOW PIPEWORK
	LTHW RETURN PIPEWORK
	HWS FLOW PIPEWORK
	HWS RETURN PIPEWORK
	COLD WATER PIPEWORK
	WIRING

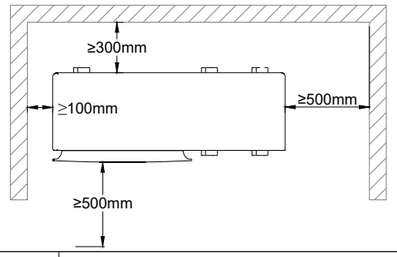
FLOOR STANDING:

THE UNIT SHOULD BE INSTALLED ON 3 RUBBER MOUNTS/FLEXI FEET (SUPPLIED BY DAIKIN).
THE DRAINAGE CAN ALSO BE ACHIEVED BY THE MEANS OF AN ECO-DRAIN OR DRAIN GULLY UNDERNEATH THE UNIT CONNECTED TO STORM DRAIN.

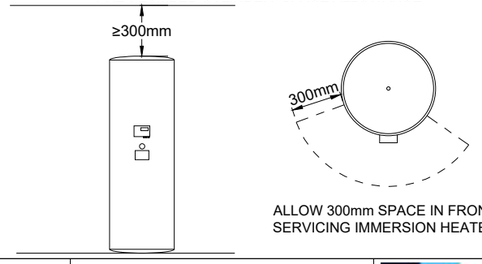
WALL MOUNTED:

THE UNIT SHOULD BE INSTALLED ON CANTILEVER ARMS WITH DRIP TRAY FITTED (AVAILABLE VIA DAIKIN) AND CONDENSATE PIPE FITTED TO STORM DRAIN.

OUTSIDE UNIT SPACE ALLOWANCE



PRE-PLUMBED CYLINDER SPACE ALLOWANCE



ALLOW 300mm SPACE IN FRONT FOR SERVICING IMMERSION HEATER

Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	28.08.24
P3	MIXING VALVE UPDATED	PBM	SB	26.03.24
P2	WIRING UPDATED	PBM	SB	20.10.23
P1	PRELIMINARY ISSUE	RB	SB	16.05.23

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

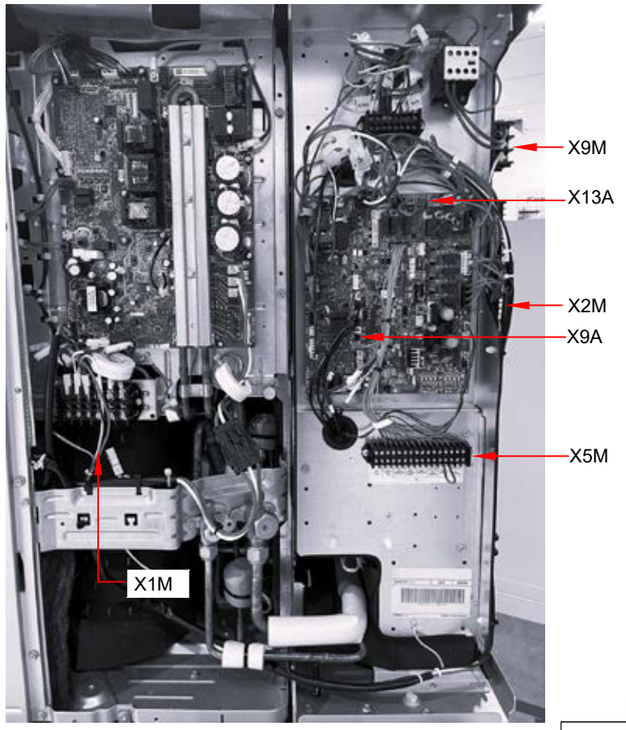
Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

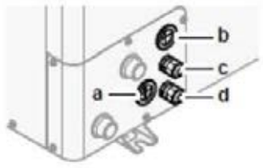
DAIKIN altherma

ST 286: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, Radiators & UFH - **Electrical**

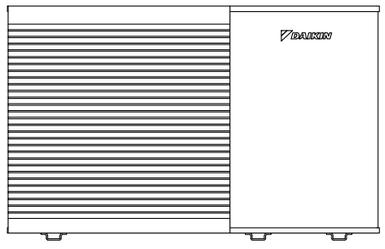
Drawing Number:	Scale:	Revision:
ST-286 (2 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.



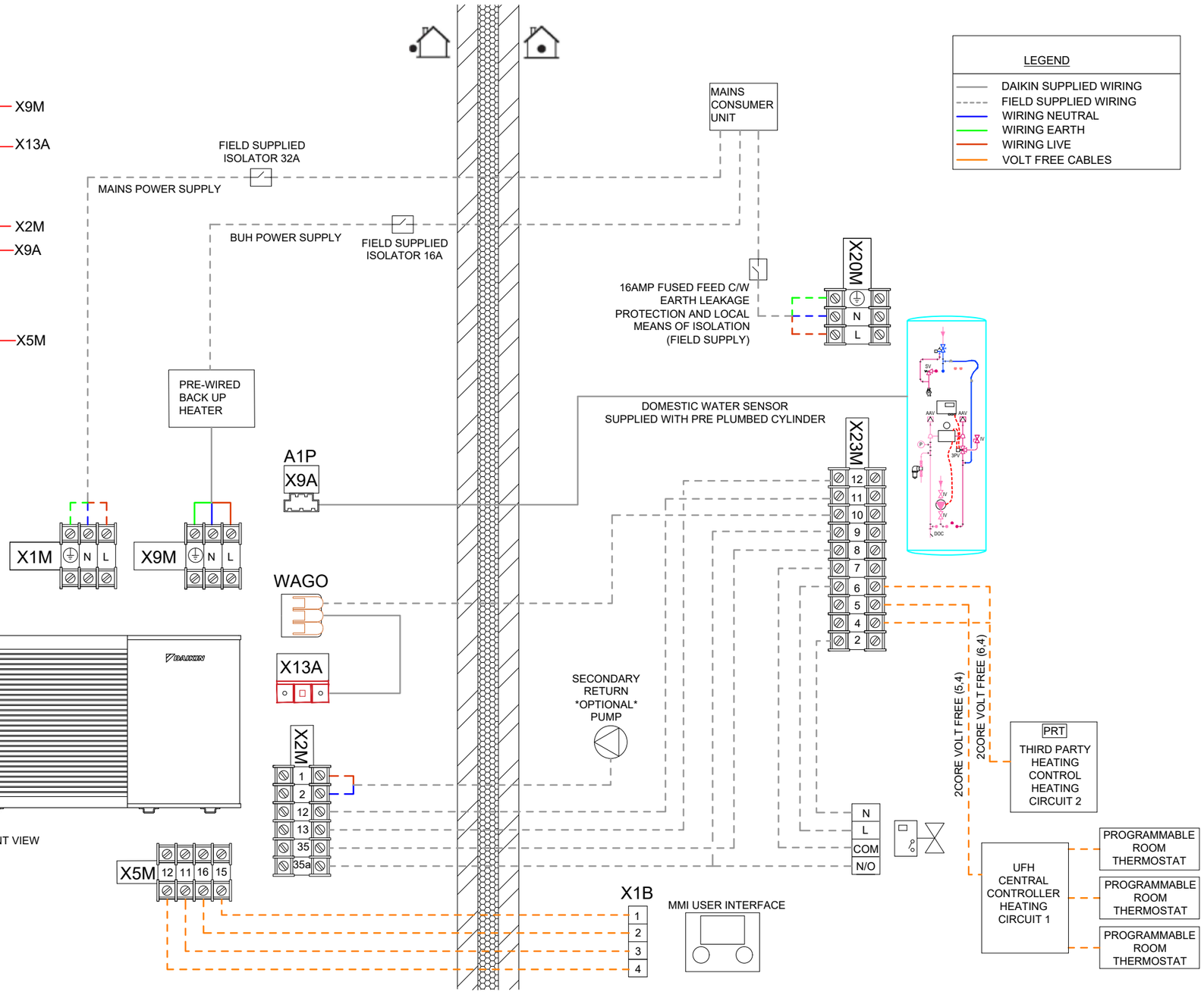


a HIGH VOLTAGE CABLES
b LOW VOLTAGE CABLES
c BUH WIRING
d UNIT POWER SUPPLY



REAR VIEW

FRONT VIEW



Rev	Description	Engineer	Checked	Date
P4	PHASE 2 UPDATES	PBM	SB	08.08.24
P3	MIXING VALVE UPDATED	PBM	SB	26.03.24
P2	WIRING UPDATED	PBM	SB	20.10.23
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Drawing:
MonoBloc EDLA 09-16 (1 PHASE),
PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

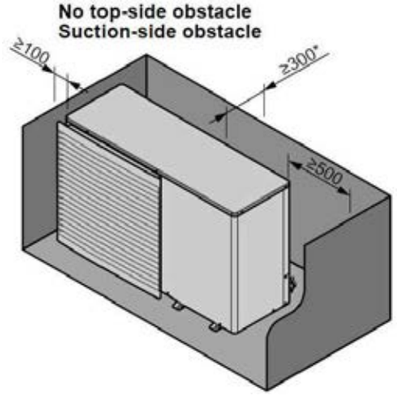
ST 286: EDLA High Capacity Monobloc - Pre-Plumbed Cylinder & Third Party Controls DHW, Radiators & UFH - **Key Data**

Drawing Number:	Scale:	Revision:
ST-286 (3 of 3)	NTS@ A3	P4

- SEE PAGE 1 FOR MECHANICAL SET UP.
- SEE PAGE 2 FOR DETAILED WIRING.
- SEE PAGE 3 FOR RELEVANT CONTROLLER SYSTEMS CONFIGURATION SETTINGS.
- DPDT RELAY (NOT SUPPLIED BY DAIKIN) SEE PAGE 2 FOR DETAILED WIRING
- OPTIONAL FOR HEAT METERS
- ROTARY ISOLATOR TO BE SITUATED OUTSIDE PROTECTIVE ZONE.

FIRST FIX

TABLE - DATA - MonoBloc HEATING ONLY 1 PHASE	
EQUIPMENT	EDLA09D3V3 / EDLA11D3V3 / EDLA14D3V3 / EDLA16D3V3
PRIMARY PIPEWORK (mm)	MINIMUM 28mm
NOMINAL FLOW RATE (l/min) CENTRAL HEATING	22
MIN FLOW RATE (l/min) DHW	28
MINIMUM WATER VOLUME (Litres)	20
MAX CURRENT (A)	30.8
FUSE (A)	32
MAINS FOR BUH (X9M)	230v
FUSE (A)	16
MAINS FOR DHW BSH (K3M)	230v
FUSE (A)	16
MINIMUM CABLE (mm²) FOR MMI	0.75
MAXIMUM DISTANCE TO TANK (m)	10
MAXIMUM LEVEL DIFFERENCE (m)	5
HEIGHT (mm)	870
WIDTH (mm)	1380
DEPTH (mm)	460
WEIGHT EMPTY (kg)	149
WEIGHT FULL (kg)	157



INSTALLATION PHASE

TABLE 2 - INSULATION THICKNESS	
PIPING LENGTH (m)	MINIMUM INSULATION THICKNESS (mm)
<20	19
20-30	32
30-40	40
40-50	50

OVERVIEW OF PRE-PLUMBED CYLINDER WIRING CONNECTIONS

CABLE SECTION 2.5mm²
MINIMUM CABLE SECTION 0.75mm; MAXIMUM LENGTH 20M
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 500M. APPLICABLE FOR BOTH SINGLE USER INTERFACE AND DUAL USE INTERFACE CONNECTION.
CABLE SECTION 0.75mm² TO 1.25mm²; MAXIMUM LENGTH 50M. VOLTAGE-FREE CONTACT SHALL ENSURE THE MINIMUM APPLICABLE LOAD OF 15 V DC, 10MA
MINIMUM CABLE SECTION 0.75mm²; MAXIMUM LENGTH 10M
THE THERMISTOR AND CONNECTION WIRE 12M ARE PRE-INSTALLED ON THE DOMESTIC HOT WATER TANK

SCAN ME — UNBOXING LARGE MONOBLOC

SCAN ME — 3-WAY VALVE EXPLAINED

SCAN ME — MMI USER GUIDE

SCAN ME — DAIKIN ALTHERMA LARGE MONOBLOC

PRE-COMMISSIONING

CHECKLIST BEFORE COMMISSIONING

AFTER THE INSTALLATION OF THE UNIT, FIRST CHECK THE ITEMS LISTED BELOW. ONCE ALL CHECKS ARE FULFILLED, THE UNIT MUST BE CLOSED. POWER-UP THE UNIT AFTER IT IS CLOSED.

	YOU READ THE COMPLETE INSTALLATION INSTRUCTIONS, AS DESCRIBED IN THE INSTALLER REFERENCE GUIDE.
	THE OUTDOOR UNIT IS PROPERLY MOUNTED.
	FIELD WIRING - BE SURE THAT THE FIELD WIRING HAS BEEN CARRIED OUT ACCORDING TO THE INSTRUCTIONS DESCRIBED IN THE CHAPTER '6 ELECTRICAL INSTALLATION', ACCORDING TO THE WIRING DIAGRAMS AND ACCORDING TO THE APPLICABLE LEGISLATION.
	THE SYSTEM IS PROPERLY EARTHED AND EARTH TERMINALS ARE TIGHTENED.
	THE FUSES OR LOCALLY INSTALLED PROTECTION DEVICES ARE INSTALLED ACCORDING TO THIS DOCUMENT, AND HAVE NOT BEEN BYPASSED.
	THE POWER SUPPLY VOLTAGE MATCHES THE VOLTAGE ON THE IDENTIFICATION LABEL OF THE UNIT.
	THERE ARE NO DAMAGED COMPONENTS OR SQUEEZED PIPES ON THE INSIDE OF THE DOOR UNIT.
	ONLY FOR MODELS WITH INTEGRATED BACK UP HEATER (F1B:FIELD SUPPLY) OR IF THE EXTERNAL BACK UP HEATER KIT (F1B: FACTORY MOUNTED IN THE BACK UP HEATER KIT) IS INSTALLED: BACK UP HEATER CIRCUIT BREAKER F1B IS TURNED ON.
	ONLY FOR TANKS WITH BUILT-IN BOOSTER HEATER: BOOSTER HEATER CIRCUIT BREAKER F2B (FIELD SUPPLY) IS TURNED ON.
	THE CORRECT PIPE SIZE IS INSTALLED AND THE PIPES ARE PROPERLY INSULATED.
	THERE ARE NO WATER LEAKS INSIDE THE OUTDOOR UNIT.
	THE SHUT OFF VALVES ARE PROPERLY INSTALLED AND FULLY OPEN.
	FOR MODELS WITH INTEGRATED BACK UP HEATER: THE AUTOMATIC AIR PURGE VALVE (ON THE BACK UP HEATER) IS OPEN. FOR OTHER MODELS: THE MANUAL AIR PURGE VALVE IS CLOSED.
	THE PRESSURE RELIEF VALVE PURGES WATER WHEN OPENED. CLEAN WATER MUST COME OUT.
	THE MINIMUM WATER VOLUME IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	(IF APPLICABLE) THE DOMESTIC HOT WATER TANK IS FILLED COMPLETELY.

CHECKLIST DURING COMMISSIONING

	THE MINIMUM FLOW RATE IS GUARANTEED IN ALL CONDITIONS. SEE 'TO CHECK THE WATER VOLUME AND FLOW RATE' IN '5.1 PREPARING WATER PIPING'.
	TO PERFORM AN AIR PURGE.
	TO PERFORM A TEST RUN.
	TO PERFORM AN ACTUATOR TEST RUN.
	UNDER FLOOR SCREED DRY OUT FUNCTION. THE UNDER FLOOR SCREED DRY OUT FUNCTION IS STARTED IF NECESSARY.

NOTES

- AFTER REMOVING THE AIR, AUTOMATIC AIR VENT(S) MUST BE OPEN.
- IF GLYCOL IS BEING ADDED TO THE SYSTEM THEN ANTI-FREEZE VALVES MUST NOT BE INSTALLED HOWEVER, ADDITIONAL FLOW SWITCH (EKFLSW1) MUST BE PURCHASE AND INSTALLED IN THE UNIT.
- ISOLATION VALVES AND FLUSHING BYPASS CIRCUIT ARE RECOMMENDED FOR THE OUTDOOR UNIT. FLOW ISOLATION VALVE REQUIRED ON OUTDOOR UNIT (SUPPLIED BY OTHERS). DO NOT PRESSURE TEST OR FLUSH THROUGH THE DAIKIN UK EQUIPMENT.
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- EARTH LEAKAGE DETECTION DEVICE IS REQUIRED, THIS MUST BE INVERTER TOLERANT AND RATED AT 30MA.
- **FOR ADDITIONAL INFORMATION PLEASE REFER TO THE INSTALLER REFERENCE GUIDE (IRG DOWNLOADABLE FROM DAIKIN UK MY.DAIKIN.CO.UK)**

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Drawing:
MonoBloc EDLA 09-16 (1 PHASE)
PRE-PLUMBED CYLINDER, THIRD PARTY CONTROLS,
DHW, RADIATORS & UFH

Drawing Status:
PRELIMINARY

Telephone: 01932 879 070 (Option 1)
Email: heating@daikin.co.uk

DAIKIN altherma

Warranty and maintenance

Extended end user warranty available

In the unlikely event that a heat pump fails, then Daikin will fix the system at no cost to the householder, if it is covered by our end user warranty.

Daikin systems come with an extended end user warranty, as long as they are registered by the installer on Stand By Me.

For full Terms and Conditions of the warranty policy please go to:

www.daikin.co.uk/en_gb/residential/services/warranty/warranty-policies.html
or Stand By Me.

Registering warranties

Once the system has been successfully installed, please complete the commissioning details on Stand By Me so that your householder can benefit from our end user equipment warranty.

Daikin e-Care

Download the app now to access registration, commissioning, configuration and trouble shooting on both Apple Store and Google Play.

Available on the App Store

GET IT ON Google Play

Warranty support

In the event of a fault, it is important to first identify the issue before making a Warranty Claim.

To diagnose an equipment fault, the householder may contact any of the following to identify the reasons for the fault:

- The original installer
- A Daikin-trained installer
- Daikin UK

If the householder would like us to visit and identify reasons for the fault, we will charge for any reasonable costs incurred where no fault is found with the product.

All visits by Daikin UK that are related to the in stallation or external system faults will be charged to the householder. For these reasons, the original installer may first wish to visit and verify the possible reasons for the fault to ensure that there are no system related faults.

To arrange the warranty visit, the householder should contact us with full details of the fault including the serial number. Please note that the householder will be responsible for any costs if we need to arrange any special equipment to access the installation, e.g. wall mounted outdoor units, or indoor units installed in lofts.

Maintenance packages

Daikin UK offers homeowners maintenance packages for Daikin Altherma and Hybrid systems.
Visit Stand By Me to purchase your maintenance package.

For more information on our maintenance packages please visit
www.daikin.co.uk/en_gb/residential/services/maintenance.html

Visit **Stand By Me** today to complete your system registration, claim your FREE extended warranty and explore and purchase your maintenance packages.

daikin.co.uk

National Heating Installer Hub: 01932 879070

Daikin Helpdesk 01932 879277

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Daikin Airconditioning UK Limited The Heights Brooklands Weybridge Surrey KT13 0NY Tel 01932 879000 daikin.co.uk

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UKAS MANAGEMENT SYSTEMS 0001

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