

Altherma 3 Low Temperature Single Fan Integrated

Inside the Machine



What is the machine doing



Power Up Settings



Error on Setup



Customer Settings



Hot Water + Heating on and off



Set Schedules



End User Settings



Programming a USB

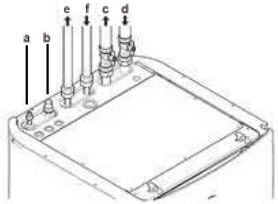


Loading settings from a USB



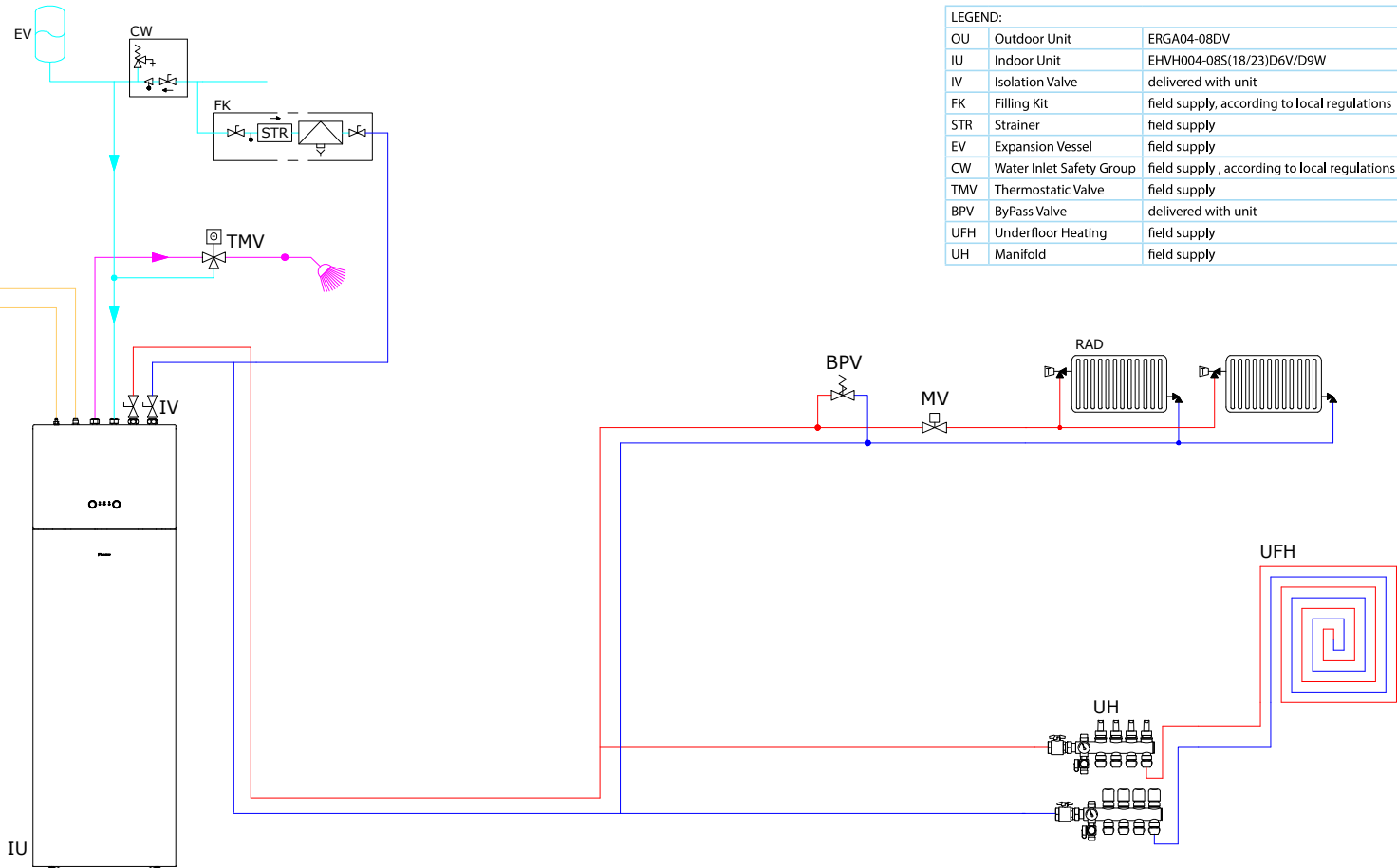
Piping Connections

- A) Refrigeration Liquid Connection - 5/8"
- B) Refrigeration Gas Connection - 1/4"
- C) Space Heating out - 1"
- D) Space Heating in - 1"
- E) Domestic Hot Water out - 3/4"
- F) Cold Water Supply - 3/4"



Piping Guidelines

Minimum: 3m
Maximum: 30m (ventilation required if 27m+)
Height Difference: 20m



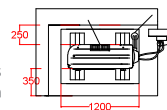
LEGEND:

OU	Outdoor Unit	ERGA04-08DV
IU	Indoor Unit	EHVH004-08S(18/23)D6V/D9W
IV	Isolation Valve	delivered with unit
FK	Filling Kit	field supply, according to local regulations
STR	Strainer	field supply
EV	Expansion Vessel	field supply
CW	Water Inlet Safety Group	field supply, according to local regulations
TMV	Thermostatic Valve	field supply
BPV	ByPass Valve	delivered with unit
UFH	Underfloor Heating	field supply
UH	Manifold	field supply

Outdoor Mounting

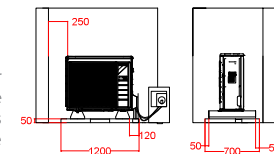
Wall Mounted:

The unit should be installed on cantilever arms (field supply) with drip tray fitted (available via Daikin) and condensate pipe fitted to storm drain.



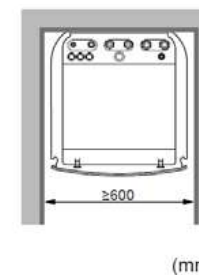
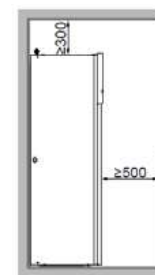
Floor Standing:

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.



DAIKIN Precommissioning Steps

- Plinth sized correctly as shown with condensate run off
 - Duct sealed and dry
 - Power to Indoor and Outdoor unit
 - Power to Back-Up Heater
 - External control wired
 - System filled and vented
 - Additional gas may be required, reference installation manual
- Bypass valve fitted on farthest loop from heat pump. Ensure min. flow rate as per manuals



(mm)

Indoor Mounting

All components are accessible via the front panels.

There is a condensate pipe pre fitted which needs to be drained appropriately. This can be routed to the left or right hand side of the unit.

Note: indoor unit dimensions are 600mm wide x 625mm deep. The 180ltr unit is 1650mm high and the 230ltr is 1850mm. The 180ltr unit is 131kg and the 230ltr is 139kg.

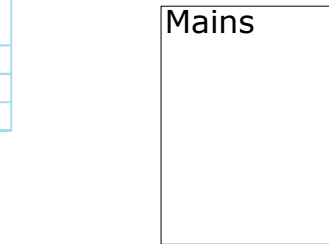
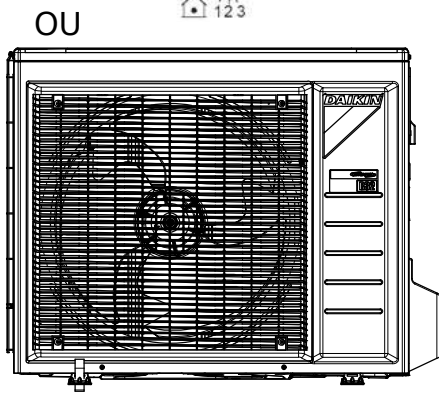
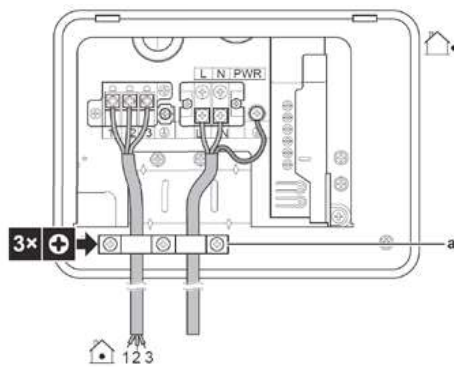
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LEGEND:

OU	Outdoor Unit	ERGA04-08DV
IU	Indoor Unit	EHVH04-08S(18/23)D6V/D9W
UFH	UFH Wiring Centre	field supply
MV	Motorized Valve	field supply
1	Outdoor to Mains	6sq x 3 core power supply with isolation switch and 25Amp fuse
2	Indoor to Mains	4sq x 3 core power supply with 25Amp fuse
3	Outdoor to Indoor	2.5sq x 4 Core communication
4	Indoor heat demand	0.75 X 2 Core Volt free contact

Outdoor Unit Switchbox location



Back-Up Heater Wiring



25 Amp Fuse For Outdoor and Indoor

4sq 3 core IU - Mains (2)
Pre - Wired

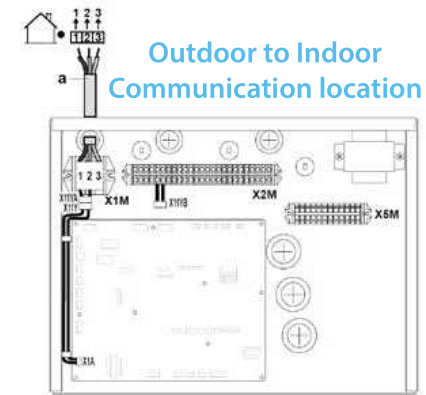
Please allow 30cm slack on these connections to ensure panel can be removed for access

6sq 3 core OU - Mains (1)

X1M
L
N
E

X1M
1
2
3
E

2.5sq 4 core OU - IU - (3)



X6M
L
N
E

X1M
1
2
3
E

X2M
35a
30

35
30

30 & 35a Additional Zone

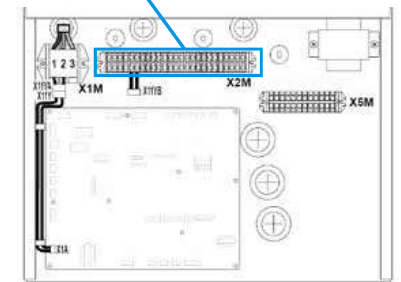


VFC for Heat Demand (4)

30 & 35 Main Zone

UFH - Wiring Centre

IU



Indoor Unit X2M location