

Domestic hot water
tank
Air Conditioning
Technical Data
EKHWET-BV3



EKHWET90BAV3
EKHWET120BAV3

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1 Features

1 - 1 EKHWE-T-BV3

› Up to 3 indoor units and 1 domestic hot water tank can be connected to 1 multi outdoor unit

› Domestic hot water efficiencies up to A

› Wall mounted domestic hot water tank, available in 90l and 120l

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2 Specifications

1 - 1 EKHWET-BV3

Technical specifications					EKHWET90BV3	EKHWET120BV3	
Mounting					Wall		
Casing	Colour				White / Black		
	Material				Sheet metal / Acrylonitrile Butadiene Styrene		
Dimensions	Unit	Height	Tank	mm	1,032	1,283	
		Width		mm	510		
		Depth		mm	570		
	Packed unit	Height		mm	1,265	1,519	
		Width		mm	600		
		Depth		mm	700		
Weight	Unit	Empty		kg	43	47	
	Packed unit	Empty		kg	52	57	
Packing	Material				Carton + Wood + EPS / Plastic foil / PP (Straps)		
	Weight			kg	9	10	
Tank	Water volume			l	89	118	
	Material				Enamel coated steel acc. DIN4753TL2		
	Maximum water temperature			°C	75.0		
	Maximum water pressure			bar	8		
	Insulation	Heat loss		kWh/24h	1.1	1.3	
		Material				HFC-free Polyurethane foam	
		Minimum thickness		mm	42.0		
	Energy efficiency class				B	C	
Heat exchanger	Quantity				1		
	Domestic hot water	Quantity				1	
		Tube material				Aluminium	
		Operating pressure		bar	42		
Booster heater	Quantity				1.0		
	Capacity			kW	1.2		
Temperature sensor	Cable length			m	2.5		
Piping connections	Cold water in	Diameter		inch	1/2		
	Hot water out	Diameter		inch	1/2		
Safety devices	Item	01				Thermal cut out	
General	Supplier/	Name and address				Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
	Manu- facturer details	Name or trademark				Daikin Europe N.V.	
	Product descrip- tion	Model identifier				EKHWET90BAV3	EKHWET120BAV3
		Model identifier (with wildcards)				EKHWET*	

3 Combination table

3 - 1 Combination Table

EKHWET-BV3

Kit availability

Reference	Description	EKHWET90BAV3	EKHWET120BAV3
EKPCCAB4	PC USB cable	o	o

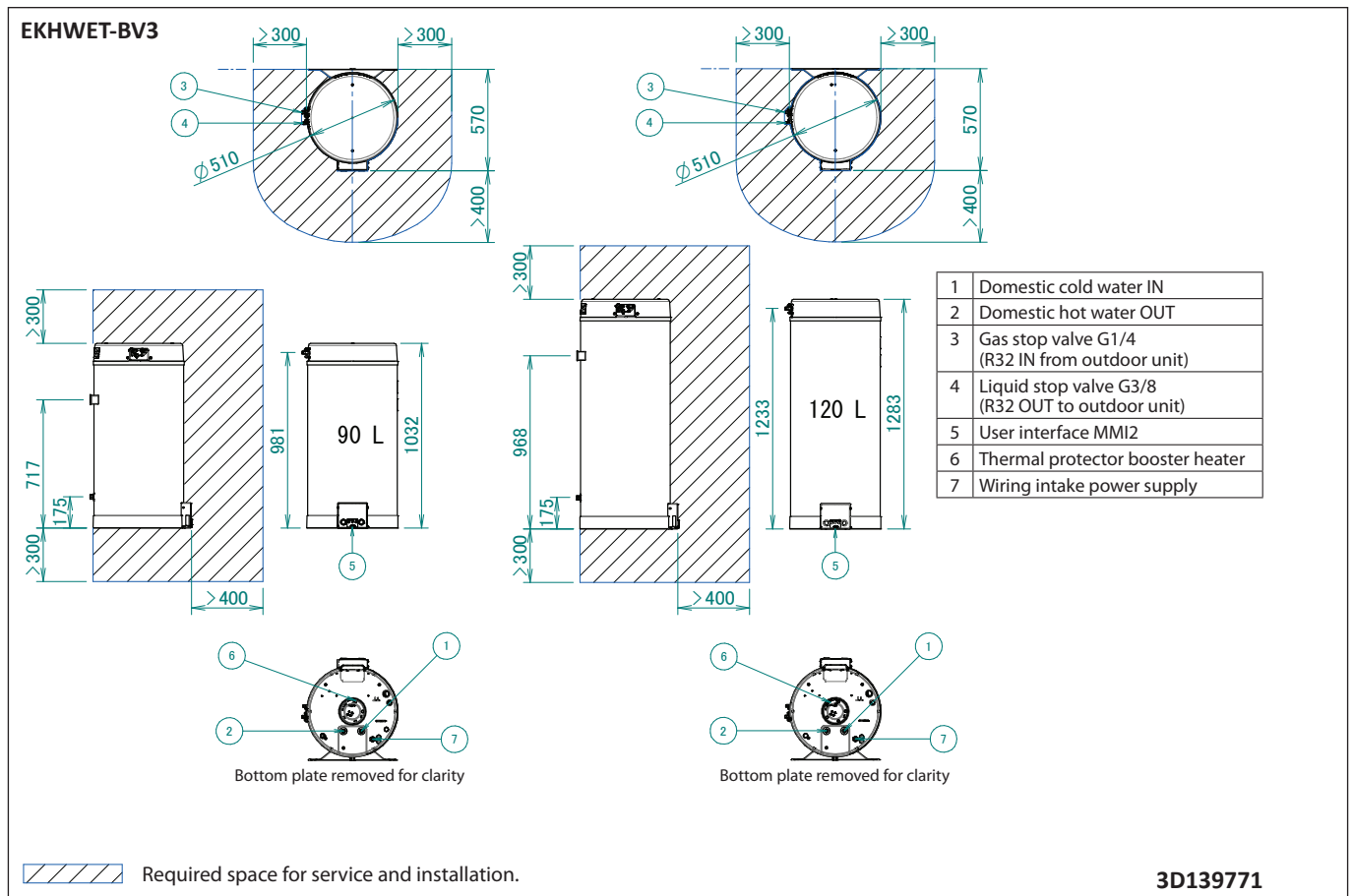
Remark

Other combinations than mentioned in this combination table are prohibited.

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4 Dimensional drawings

4 - 1 Dimensional Drawings

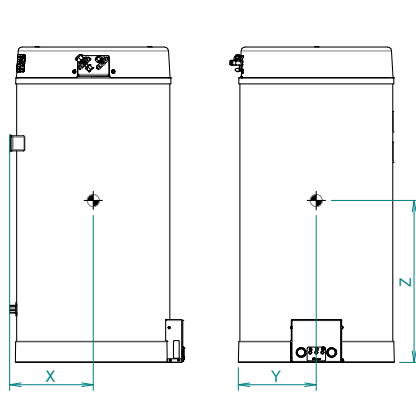


5 Centre of gravity

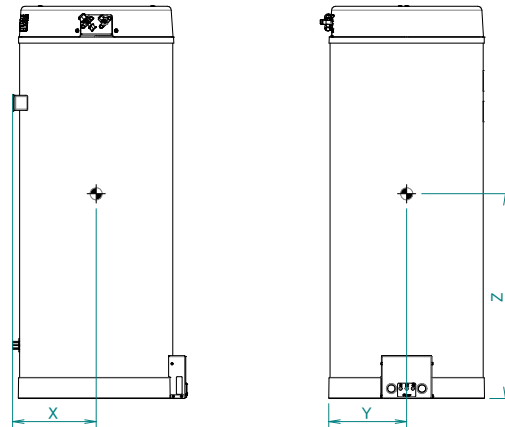
5 - 1 Centre of Gravity

EKHWET-BV3

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90 Liter



120 Liter

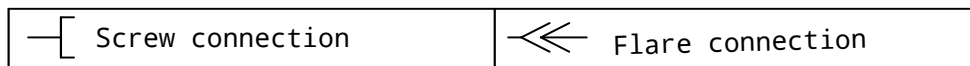
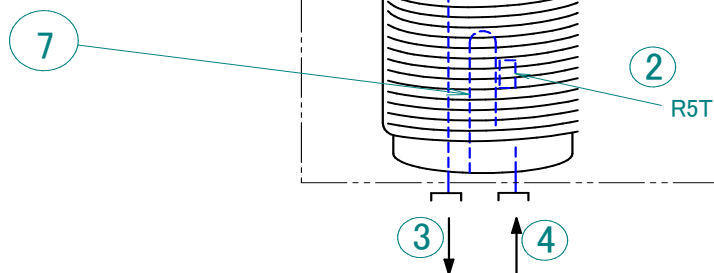
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6 Piping diagrams

6 - 1 Piping Diagrams

EKHWE-BV3

- ① R3T-Thermistor (heat exchanger, liquid pipe)
- ② R5T -Tank thermistor
- ③ Domestic hot water: hot water out
- ④ Domestic hot water: cold water in
- ⑤ Gas stop valve
- ⑥ Liquid stop valve
- ⑦ Booster Heater



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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

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NOTES

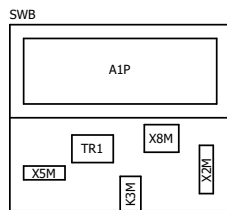
X2M : Field wiring terminal for AC
X4M : BSH Power supply terminal client
X5M : Wiring terminal for DC (Indoor)
X5M : Field wiring terminal for AC (Outdoor)
X8M : BSH Power supply terminal

— : Earth wiring
- - - : Field supply

Option : Not mounted in switch box
Wiring depending on model : PCB

Note 1 : Connection point of the power supply for the BSH should be foreseen outside the unit.

POSITION IN SWITCH BOX



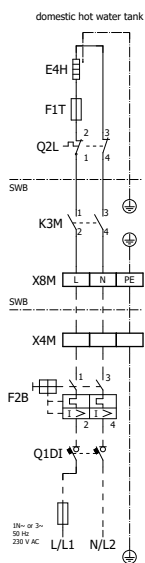
LEGEND

Part n°	Description
A1P	main PCB
A11P	MMI main PCB
E4H	booster heater (1.2 kW)
F1T	thermal fuse booster heater
F2B	# overcurrent fuse booster heater
FU1 (A1P)	fuse (5 A 250 V for PCB)
FU2	fuse (0.5 A)
K3M	contactor booster heater
K4R (A1P)	relay on PCB
P1M	MMI display
Q2L	thermal protector booster heater
Q1DI	# earth leakage circuit breaker
R3T	thermistor (liquid)
R5T	thermistor (water in)
SW1~2 (A11P)	turn buttons
SW3~5 (A11P)	push button
TR1	power supply transformer
X4M	# BSH power supply terminal strip client
X8M	BSH power supply terminal strip
X*, X*A, X*B	connector
X*M	terminal strip

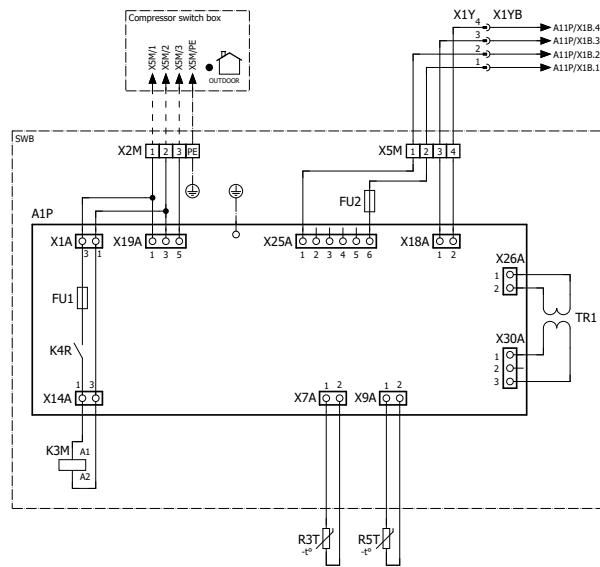
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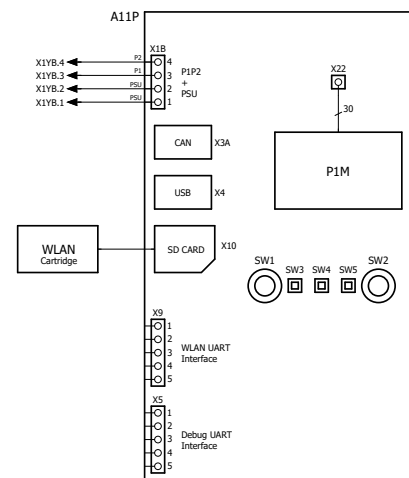
SWB - BSH power supply



SWB - Control circuit



Remote MMI - Control Circuit



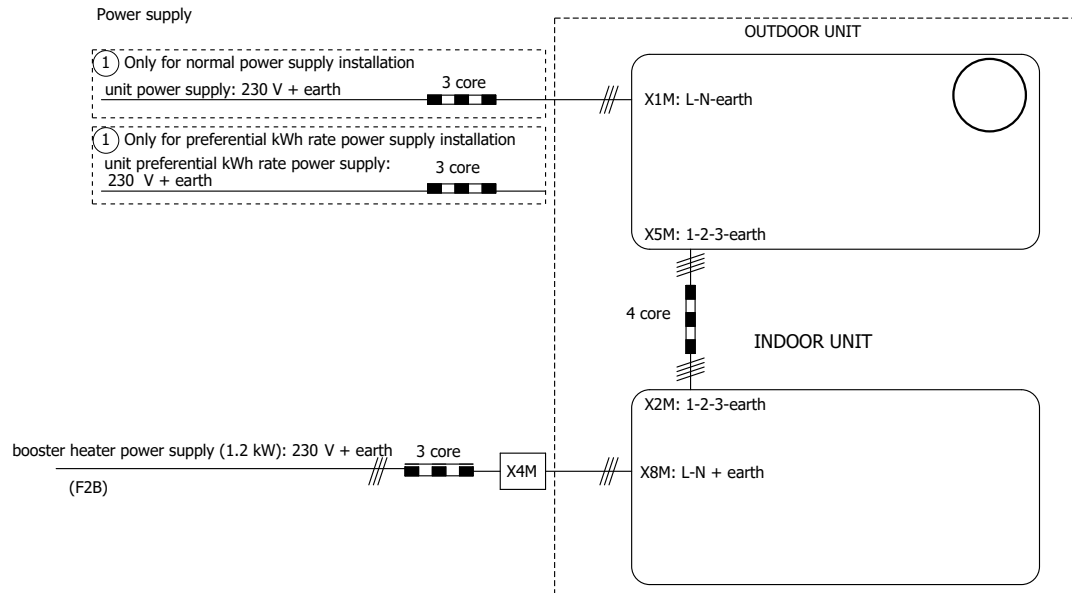
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8 External connection diagrams

8 - 1 External Connection Diagrams

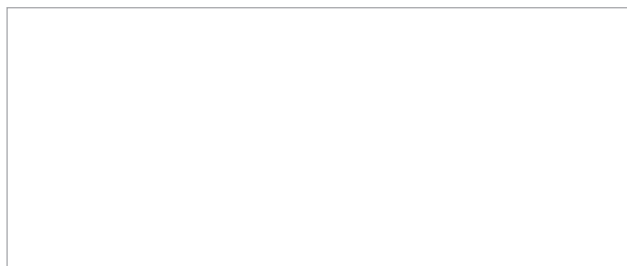
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Electrical connection diagram Multi Domestic Hot Water Tank STANDARD PART



For more details please check unit wiring

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