



Domestic hot water tank

Technical Data

EKHWSP-D3V3



TABLE OF CONTENTS

EKHWSP-D3V3

1	Features	4
	EKHWSP-D3V3	4
2	Specifications	5
3	Dimensional drawings	6
4	Wiring diagrams	7
	Compressor - Single phase	7

1 Features

1 - 1 EKHWS-P-D3V3

Stainless steel domestic hot water tank

1

› Available in 150, 180, 200, 250 and 300 liters

› Stainless steel domestic hot water tank



2 Specifications

2 - 1 Specifications

Technical specifications				EKHWS-P150D3V3	EKHWS-P180D3V3	EKHWS-P200D3V3	EKHWS-P250D3V3	EKHWS-P300D3V3
Casing	Colour	Neutral white						
	Material	Epoxy coated steel / Epoxy-coated mild steel						
Dimensions	Unit	Height	mm	1,000	1,164	1,264	1,535	1,745
		Diameter	mm	595				
	Packed unit	Height	mm	1,037	1,213	1,305	1,575	1,785
		Width	mm	600				
Weight	Unit	Empty	kg	45	50	53	58	63
		Full	kg	190	224	245	300	355
	Packed unit	Empty	kg	50	56	59	65	70
		Material	Carton					
Packing	Weight	kg		1		2		3
	Water volume	l	145	174	192	242	292	
Tank	Material	Stainless steel (EN 1.4521)						
	Maximum water temperature	°C	75					
	Maximum water pressure	bar	10					
	Insulation	Heat loss	kWh/24h	1.1 (1)	1.2 (1)	1.3 (1)	1.4 (1)	1.6 (1)
		Material	Polyurethane foam					
		Minimum thickness	mm	44.5				
Energy efficiency class	B							
Heat exchanger	Domestic hot water	Quantity	1					
		Tube material	Stainless steel (EN 1.4521)					
		Face area	m ²	1.050	1.400	1.800		
		Internal coil volume	l	4.9	6.5	8.2		
Booster heater	Operating pressure	bar	10					
	Quantity	1						
	Capacity	kW	3					
3-way valve	Coefficient of flow (kV)	Space heating	m ³ /h	12				
		Domestic hot water tank	m ³ /h	12				
		Unit	m ³ /h	12				
	Inlet	inch	RP 1"					
Outlet	Type	inch	2 x RP 1"					
Temperature sensor	Cable length	m	12.0					
Piping connections	Water inlet heat exchanger diameter	inch	G 3/4" (female)					
	Water outlet heat exchanger diameter	inch	G 3/4" (female)					
	Cold water in Diameter	inch	G 3/4" (female)					
Piping connections	Hot water out	Diameter	inch	G 3/4" (female)				
	Recirculation connection	inch	G 3/4" (female)					
Safety devices	Item	01	Thermal cut out: 85°C					
General	Supplier/Manufacturer details	Name and address	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					

Electrical specifications				EKHWS-P150D3V3	EKHWS-P180D3V3	EKHWS-P200D3V3	EKHWS-P250D3V3	EKHWS-P300D3V3
Power supply	Phase	1~						
	Frequency	Hz	50					
	Voltage	V	230					
Current	Nominal running current (RLA)	A	13.0					
	Fuse	Size	A	20				
		Phase	1~					

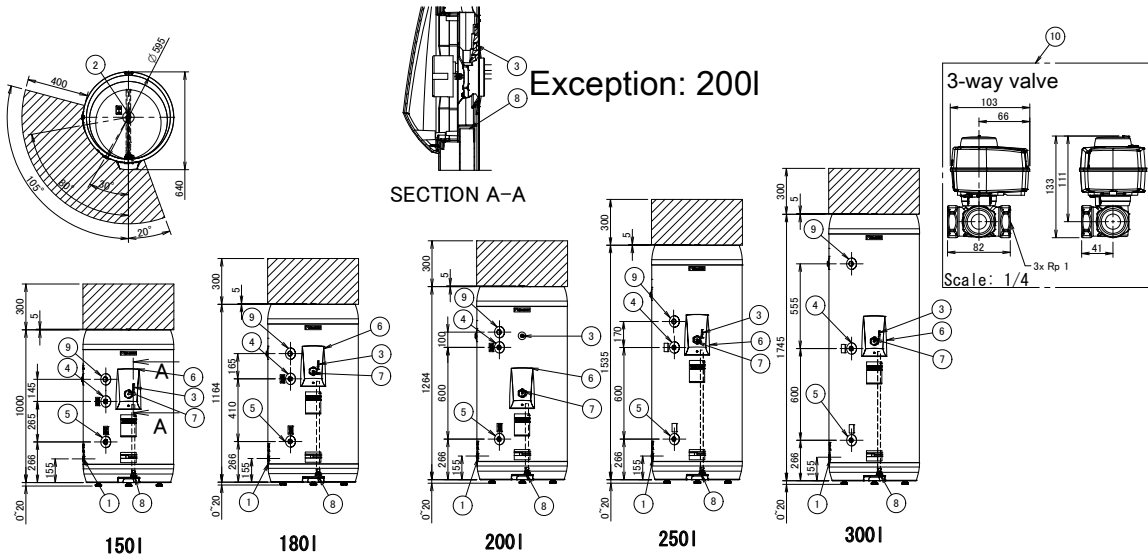
(1) Heatloss according to EN12897

3 Dimensional drawings

3 - 1 Dimensional Drawings

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Exception: 2001

- ① Water mains IN G3/4 (female)
- ② Domestic hot water: hot water out G3/4F
- ③ Thermistor
- ④ Water IN connection (from indoor unit) G3/4 (female)
- ⑤ Water OUT connection (to indoor unit) G3/4 (female)
- ⑥ Switch box
- ⑦ Thermal protector booster heater
- ⑧ Wiring intake for booster heater power supply and thermal protection cable
- ⑨ Recirculation connection G3/4 (female)
- ⑩ 3-way valve

Required space for service and installation

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4 Wiring diagrams

4 - 1 Compressor - Single phase

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NOTES to go through before starting the unit

- : Earth wiring
- : Wire number 15
- : Field supply
- : Connection ** continues on page 12 column 2
- : Several wiring possibilities
- : Option
- : Wiring depending on model
- : Not mounted in switch box
- : PCB

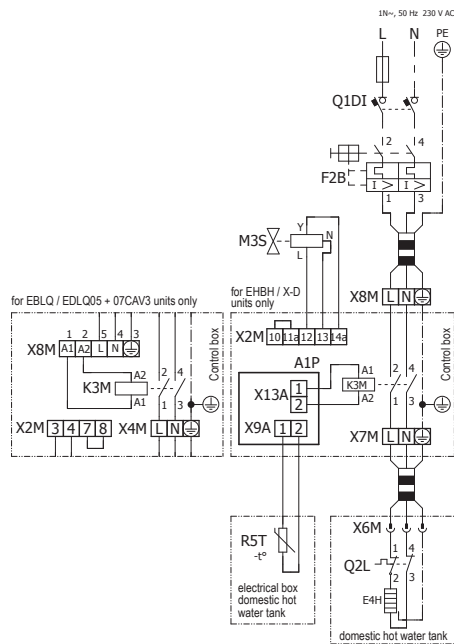
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Part n°	Description
A1P	main PCB
E4H	booster heater
F2B	# overcurrent fuse booster heater
K3M	contactor booster heater
M3S	3 way valve for floorheating / domestic hot water
Q1DI	# earth leakage circuit breaker
Q2L	thermal protector booster heater
R5T	domestic hot water thermistor
X*M	terminal strip

* : optional
: field supply

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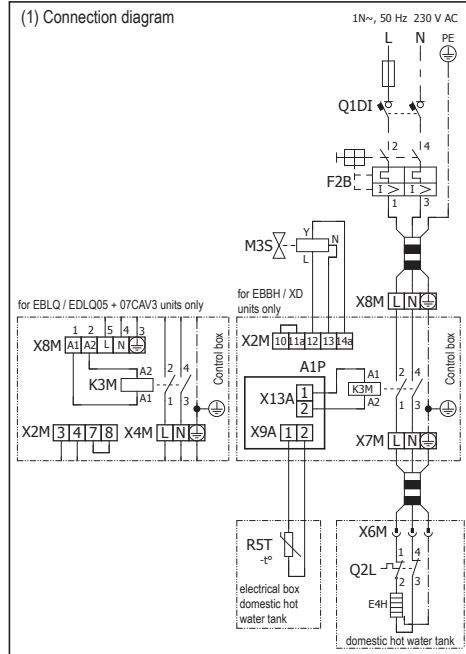
4 Wiring diagrams

4 - 1 Compressor - Single phase

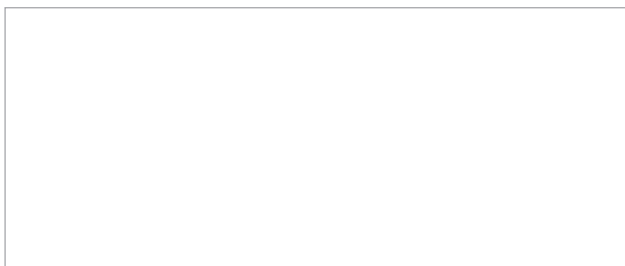
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0	1	2	3	4	5	6	7	8	9
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