



## SPECIFICATION VP 150/170L SINGLE SPLIT INSTALLATION

INDOOR UNIT		OUTDOOR UNIT			
Article Number	20100	60310	60320	60330	
Producer Name	POLAR ENERGI	Panasonic	Panasonic	Panasonic	
Product Code	VP 150/170L	U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	
Heating Capacity	8.0 to 16.0 kW	Maximum Heating Capacity	8.1 kW	14.0 kW	16.0 kW
Designed for	Residential	Residential (indication only)	up to 150 m2	up to 220 m2	up to 300 m2
PSHI™ Technology	YES	Shower capacity á 70 liter DHW	6 people	7 people	8 people
Domestic Hot Water (DHW)	YES	Domestic Hot Water (DHW)			
Cylinder volume	150 liter	COP DHW (A7/W10-55), Standard EN16147	COP 4.10	COP 4.53	COP 4.41
Capacity at 40 °C	453 liter	(A7/W10-55) EN16147 tapping profile XL			
Cylinder material/thickness	316L / 2 mm	Waterborne Heating (7°C outdoor temp.)			
Heat exchanger "pipe in pipe"	316L / 8 meter	Temp 30/35 °C, Nominal kW (Min-Max) / COP	6.0 (2.0-8.1) / 5.00	10.5 (3.1-14.0) / 5.20	12.0 (3.2-16.0) / 5.10
Heat exchanger pre-heating	316L / 18 meter	Temp 47/55 °C, Nominal kW (Min-Max) / COP	5.2 (1.7-7.0) / 4.00	9.7 (2.7-13.0) / 4.20	11.2 (2.8-15.0) / 4.10
Back-up heater Effect	1.7 kW/230V/1 pha	Temp 30/35 °C - Energt Efficiency Class			
Back up heater connection	Integrated	Combined COP, waterborne 35 °C, DHW 75 °C	COP 5.36	COP 5.73	COP 5.58
Anode	Electronic	Input power source	230V/1 pha	230V/1 pha	230V/1 pha
Max working pressure	9.5 bar	Sound power / Sound pressure dB/dB(A)	69-/49	70-/52	73-/55
		Rec. fuse (amp)	20	30	30
Waterborne Heating	YES	Refrigerant pipe dimentions	Flare 3/8" - 5/8"	Flare 3/8" - 5/8"	Flare 3/8" - 5/8"
Cylinder volume	170 liter	Refrigerant type	R32	R32	R32
Cylinder material/thickness	316L / 2 mm	Refrigerant pre-load /eq Co2 ton	1.45 kg / 0.979	2.60 kg / 1.316	2.98 kg / 2.059
Heat exchanger, single pipe	316L / 23.8 meter	Outdoor ambient operating range	minus 27°C to 35°C	minus 27°C to 35°C	minus 27°C to 35°C
Back-up heater effect	6.0kW/230-400V/3 pha	Net weight	44 kg	90 kg	94 kg
Back up heater connection	2 "	Dimensions	69.5 x 87.5 x 32 cm	99.6 x 98 x 37 cm	99.6 x 98 x 37 cm
Max working pressure	3.0 bar				
Refrigeration expansion tank	NO				
Internal and external pickling	YES				
External Material	ABS, WHITE				
Insulation, Hard Polyurethane	70 mm				
Refrigerant type	R32				
Refrigerant pipe dimentions	3/8" - 5/8" (braising)				
Connection DHW inlet/outlet	3/4" - 1"				
Connection T/R waterborne	1"				
Rec. fuse DHW (amp)	10				
Rec. fuse waterborn (amp)	16				
Net weight in Kg	104 kg				
Net diameter in cm	64.0 cm				
Net height in cm, tank only	187 cm				
Net height in cm, with piping	198 cm				
Tilting height in cm	199 cm				
Adjustable level feet	YES				
Gross weight in Kg (transport)	113 kg				
Gross size L x W x H (transport)	70 x 70 x 212 cm				
Gross volume m3 (transport)	1.04 m3				