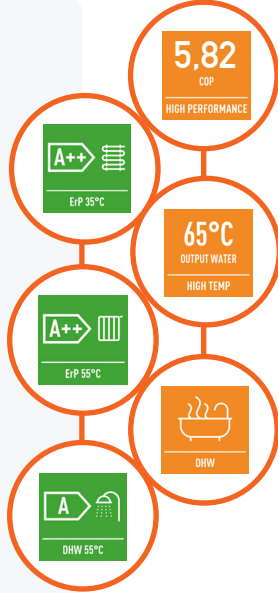
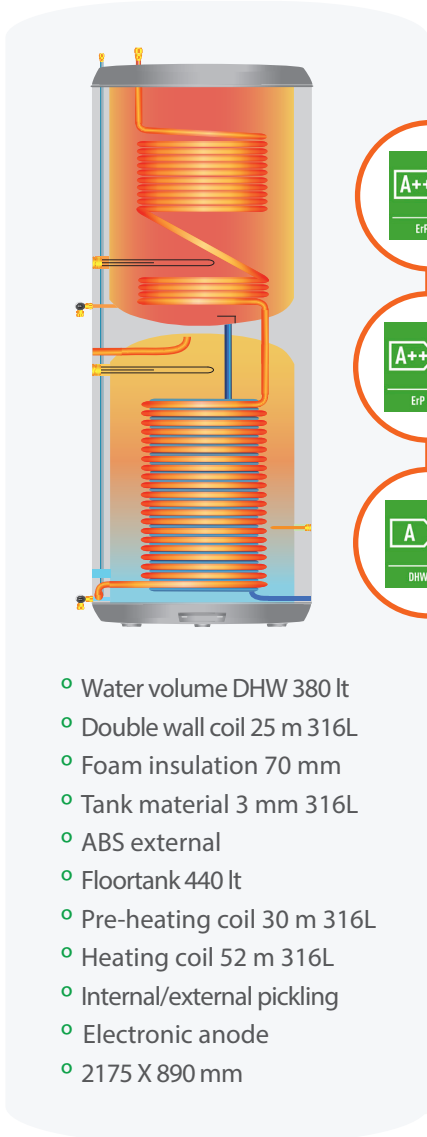



VP380/440L UNIQUE SOLUTION, OUTSTANDING RESULTS

Industry waterborne heating in combination with sanitary water, 14 kW to 28 kW Nominal



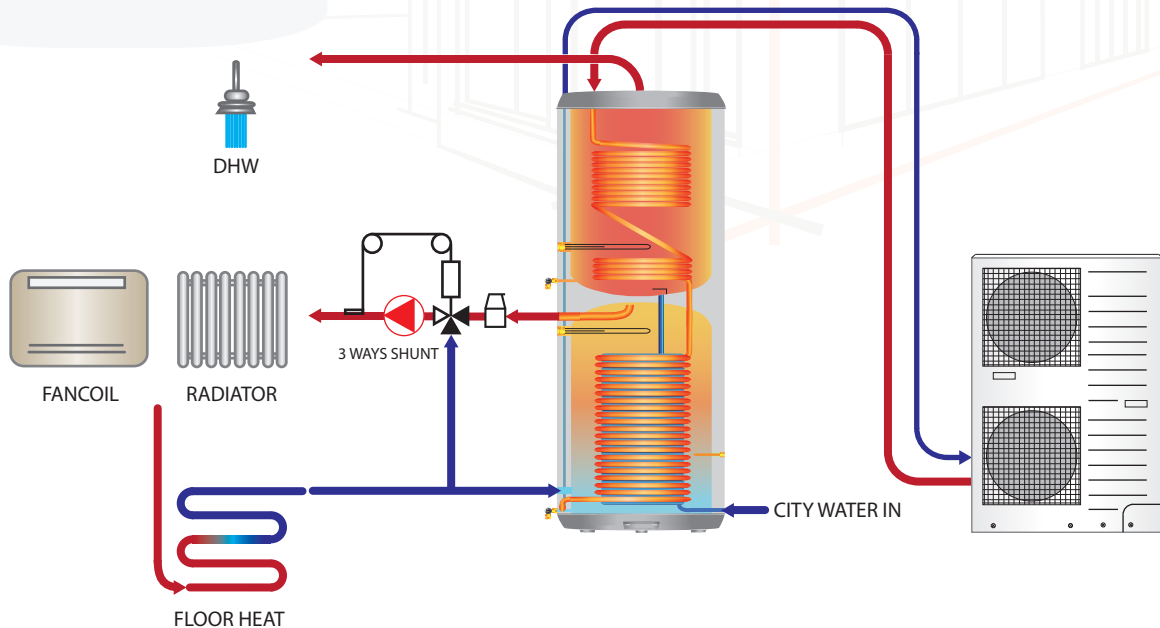
BE A PART OF THE FUTURE



- High savings, fast investment recovery
- Functionality and stability = less support needed
- Proven durability = highly reliable system
- Combinable with other heating sources
- Environment-friendly = suits all newest regulations
- Internet based connection with installer for performance and failure monitoring
- System performance certified by 

Polar Energi's technology is approved by

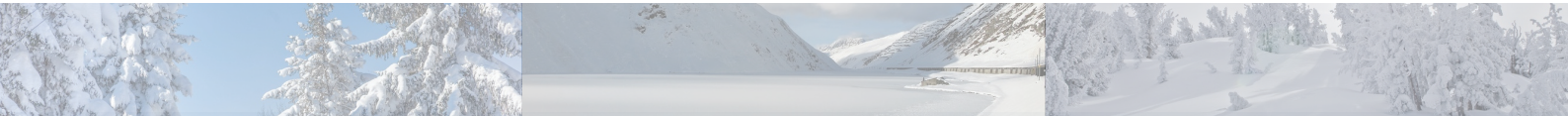
Panasonic
heating and cooling systems



5 year
compressor
warranty

Indoor unit VP 380/440L

Outdoor Unit		U-250PE2E8A	U-8ME2E81	U-10ME2E8	
Heating capacity +7°C Nominal (Min-Max)	kW	28 (7,1-31,5)	21,5 (4,0-25)	28 (6,0-31,5)	
COP +7 °C turn water temp 35°C (*inkl sanitary water 80°C)	V/V	3,84 (*4,61)	5,08 (*6,1)	4,73 (*5,79)	
Heating capacity +2°C Nominal	kW	23	16,5	23	
COP +2°C turn water temp 35°C (*inkl sanitary water 80°C)	V/V	3,45 (*4,14)	4,36 (*5,45)	4,33 (*5,19)	
Heating capacity -7°C Nominal	kW	22,6	15,5	22,6	
COP -7°C turn water temp 35°C (*inkl sanitary water 80°C)	V/V	3,3 (*3,96)	4,13 (*5,16)	4,19 (*5,0)	
Heating capacity -15°C Nominal	kW	20,1	14,5	20,1	
COP -15°C turn water temp 35°C (*inkl sanitary water 75°C)	V/V	2,78 (*3,33)	4,01 (*4,81)	3,67 (*4,4)	
VP 380/440L					
Conection turn/return waterborne heating	Inc	1 1/4"	1 1/4"	1 1/4"	
Conection Prehating coil (sity water)	Inc	R 3/4"	R 3/4"	R 3/4"	
Conection Sanitary water 80°C	Inc	1"	1"	1"	
Water flow (ΔT = 5 K. 35 °C)	l/min	0 - 68	0 - 58	0 - 68	
Sanitary water capacity at 40°C)	L	1200	1100	1200	
Capacity of intregated electric heater volte and current (Sanitary water)	(kW)	(6) 230/400V 3 fas	(6) 230/400V 3 fas	(6) 230/400V 3 fas	
Capacity of intregated electric heater volte and current (Waterborne heating)	(kW)	(6) 230/400V 3 fas	(6) 230/400V 3 fas	(6) 230/400V 3 fas	
Refrigerant pipe dimension	Inc	(3/8"Flare - 3/4"	3/8"Flare - 3/4"	3/8" flare - 3/4"	
Dimensions	H x B	mm	2090 x 890	2090 x 890	
Outdoor Unit Panasonic Paci and VRF					
Sound pressure level		dB(A)	57	56	59
Refrigerant (R410A)		kg	5,3	6,9	6,9
Pipe diameter refrigerant	Liquid/Gas	mm (")	3/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"
Additional charge		kg / g/m	4-200	3 / 150	3 / 150
Pipe length range max		m	30	30	30
Pipe length for Nominal capacity		m	7	7	7
Dimensjon	H x B x D	mm	1500 x 980 x 370	1842 x 770 x 1000	1842 x 770 x 1000
Net weight		kg	118	250	250
Operation Range	Outdoor ambient temperature Water outlet temperature	°C	-25 +35 +10 +65	-25 +35 +10 +55	-25 +35 +10 +55
Recommended fuse		A	(20) 400V 3 fas 50/60HZ	(15) 400V 3 fas 50/60HZ	(20) 400V 3 fas 50/60HZ



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POLAR ENERGI TECHNOLOGY IS PATENT PROTECTED
- *

HIGH EFFICIENCY GREEN TECHNOLOGY
- *

10 YEARS WARRANTY

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