

Aquarea DHW Heat Pumps



Type		Wall-mounted			Floor-standing		
Reference		P-DHW100AE5	P-DHW150AE5	P-DHW200AE5	P-DHW200CAE5	P-DHW260AE5	P-DHW260CAE5
Performance according to EN 16147							
Reference hot water temperature (T_{ref})	°C	55	55	55	55	55	55
Heating up time (A +14 °C / W 55 °C)	h:m	5:44	8:46	7:22	7:18	9:36	9:45
Heating up time (A +7 °C / W 55 °C)	h:m	6:44	10:08	7:01	7:08	10:21	10:32
Heating up time (A +2 °C / W 55 °C)	h:m	9:53	12:17	11:32	11:21	14:31	14:42
DHW tank ERP efficiency average / warm / cold	A+ to F	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A
DHW tank ERP average climate η / COPdHW	$\eta_{wh} \% / COPdHW$	117/2,80	117/2,80	149/3,58	148/3,53	150/3,64	148/3,59
DHW tank ERP warm climate η / COPdHW	$\eta_{wh} \% / COPdHW$	132/3,20	132/3,34	159/3,81	158/3,78	162/3,90	158/3,84
DHW tank ERP cold climate η / COPdHW	$\eta_{wh} \% / COPdHW$	92/2,20	102/2,40	110/2,67	108/2,61	120/2,91	117/2,85
Indoor sound power ¹⁾	dB(A)	45	45	50	50	50	50
Outdoor sound power ¹⁾	dB(A)	50	50	50	50	50	50
Load profile		M	L	L	L	XL	XL
Water volume	L	98	143	202	194	260	251
Water volume of mixed water at 40 °C / V40	L	133	172	352	359	262	275
Additional coil exchanger connection		—	—	—	1" M	—	1" M
Additional coil surface	m ²	—	—	—	1,05	—	1,05
Anticorrosion system	Anode	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium
Anti-legionella cycle		Yes	Yes	Yes	Yes	Yes	Yes
Maximum working pressure - storage tank	Mpa (bar)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)
Dimension (H x W x D)	mm	1351 x 520 x 541	1682 x 520 x 541	1621 x 705 x 694	1621 x 705 x 694	1911 x 705 x 694	1911 x 705 x 694
Empty weight	kg	56	65	100	115	111	126
Heat pump air intake temperature range	°C	-5 ~ +43	-5 ~ +43	-7 ~ +43	-7 ~ +43	-7 ~ +43	-7 ~ +43
Maximum water temperature / with heater	°C	60/65	60/65	65/75	65/75	65/75	65/75
Refrigerant charge (R290)	kg	0,15	0,15	0,15	0,15	0,15	0,15
Power supply / frequency	V / Hz	230/50	230/50	230/50	230/50	230/50	230/50
Total maximum power consumption	W	1726	1726	1970	1970	1970	1970
Heat pump maximum power consumption	W	276	276	470	470	470	470
Electric heating element power consumption	W	1500	1500	1500	1500	1500	1500
Nominal air flow	m ³ /h	235	235	330	330	330	330
External pressure nominal / maximum	Pa	42/220	42/220	88/220	88/220	88/220	88/220
Duct diameter	mm	125	125	160	160	160	160

1) According to EN12102.

Space-saving design

Side air ducts for easy installation in rooms as small as 2 metres high.

