

Login

Summary of	Aquarea Monobloc 5 kW STD (J Series)	Reg. No.	011-1W0398	
Certificate Holder				
Name	Panasonic Marketing Europe GmbH			
Address	Hagenauer Strasse 43, Wiesbaden Zip 65203			
City	Wiesbaden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	Aquarea Monobloc 5 kW STD (J Series)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.3 kg			
Certification Date	06.08.2020			
Testing basis	HP KEYMARK certification scheme rules V8			



Model: WH-MDC05J3E5

Configure model		
Model name	WH-MDC05J3E5	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.66 kW
СОР	5.08	3.01

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.12	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.50 kW
COP Tj = -7°C	2.76	2.30
Cdh Tj = -7 °C	0.970	0.980
Pdh Tj = +2°C	2.60 kW	2.70 kW
COP Tj = +2°C	5.44	3.58
Cdh Tj = +2 °C	0.910	0.940
Pdh Tj = +7°C	3.00 kW	2.80 kW
COP Tj = +7°C	7.15	4.89
Cdh Tj = +7 °C	0.890	0.920
Pdh Tj = 12°C	3.50 kW	3.40 kW

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COP Tj = 12°C	8.65	6.92
Cdh Tj = +12 °C	0.880	0.910
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.50	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.98
WTOL	55 °C	55 °C
Poff	2 W	2 W
РТО	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2018 kWh	2849 kWh

Cooling

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	5.00 kW
SEER	5.56
Pdc Tj = 35°C	5.00 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	3.68 kW
EER Tj = 30°C	4.59
Cdc	0.9
Pdc Tj = 25°C	2.37 kW
EER Tj = 25°C	6.70
Cdc	0.9
Pdc Tj = 20°C	1.05 kW
EER Tj = 20°C	8.62
Cdc	0.9
Poff	8 W
РТО	0 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	315 kWh





EN 14511-2	
	+7°C/+12°C
El input	1.51 kW
Cooling capacity	5.00
EER	3.31



Model: WH-MDC05J3E5 + DGC200

Configure model		
Model name	WH-MDC05J3E5 + DGC200	
Application	Heating + DHW + low temp	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

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Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.66 kW
СОР	5.08	3.01

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

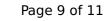
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This information was gener	ated by the HP KEYMAR	RK database on 18 Mar 2022
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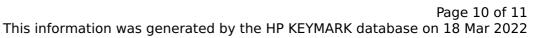
Cooling

Annual energy consumption Qhe

EN 14825

2018 kWh

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	+7°C/+12°C
El input	1.51 kW
Cooling capacity	5.00
EER	3.31

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	125 %
СОР	2.96
Heating up time	01:31 h:min
Standby power input	40.0 W
Reference hot water temperature	53.3 °C
Mixed water at 40°C	268