

This information was generated by the HP KEYMARK database on 15 Feb 2021

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	Air extérieur/Eau		
Refrigerant	R32		
Mass Of Refrigerant	1.3 kg		
Certification Date	06.08.2020		
Testing basis	HP KEYMARK certification scheme rules V8		

## Model: WH-MDC05J3E5

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Puissance thermique	5.00 kW	5.00 kW
Puissance électrique absorbée	0.99 kW	1.66 kW
COP	5.08	3.01

### EN 14511-4

Coupure des débits des fluides caloporteurs	passed
Coupure complète de l'alimentation électrique	passed
Dégivrage	passed
Starting and operating test	passed

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Puissance acoustique extérieure	59 dB(A)	59 dB(A)

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**EN 14825**

	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	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	0.970	0.980
Pdh Tj = +2°C	2.60 kW	2.70 kW
COP Tj = +2°C	5.44	3.58
Cdh	0.910	0.940
Pdh Tj = +7°C	3.00 kW	2.80 kW
COP Tj = +7°C	7.15	4.89
Cdh	0.890	0.920
Pdh Tj = 12°C	3.50 kW	3.40 kW
COP Tj = 12°C	8.65	6.92
Cdh	0.880	0.910
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.50	1.98

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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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Chauffage d'appoint: type d'énergie utilisée	230V 1ph 50Hz	230V 1ph 50Hz
Chauffage d'appoint: P <sub>SUP</sub>	0.00 kW	0.00 kW
Consommation annuelle d'électricité Q <sub>HE</sub>	2018 kWh	2849 kWh

## Cooling

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	5.00 kW
SEER	5.56
P <sub>dc</sub> T <sub>j</sub> = 35°C	5.00 kW
EER T <sub>j</sub> = 35°C	3.17
P <sub>dc</sub> T <sub>j</sub> = 30°C	3.68 kW
EER T <sub>j</sub> = 30°C	4.59
C <sub>dc</sub>	0.9
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.37 kW
EER T <sub>j</sub> = 25°C	6.70
C <sub>dc</sub>	0.9
P <sub>dc</sub> T <sub>j</sub> = 20°C	1.05 kW
EER T <sub>j</sub> = 20°C	8.62
C <sub>dc</sub>	0.9
P <sub>off</sub>	8 W
PTO	0 W
PSB	10 W
PCK	0 W
Consommation annuelle d'électricité Q <sub>HE</sub>	315 kWh

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<b>EN 14511-2</b>	
	<b>+7°C/+12°C</b>
Puissance électrique absorbée	1.51 kW
Cooling capacity	5.00
EER	3.31

## Model: WH-MDC05J3E5 + DGC200

### General Data

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## Heating

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EER	3.31

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Profil de soutirage déclaré	L
Efficacité pour le chauffage de l'eau	125 %
COP	2.96
Durée de montée en température	01:31 h:min
Pertes statiques	40.0 W
Température d'eau chaude de référence	53.3 °C
Volume d'eau à 40°C	268 l