

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

Summary of	Aquarea Monobloc 9 kW STD (J Series)	Reg. No.	011-1W0400
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 9 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-MDC09J3E5

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Puissance thermique	9.00 kW	8.95 kW
Puissance électrique absorbée	2.01 kW	3.22 kW
COP	4.48	2.78

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

	Low temperature	Medium temperature
η_s	193 %	130 %
Prated	7.00 kW	8.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	7.00 kW
COP Tj = -7°C	2.80	2.02
Cdh	0.980	0.990
Pdh Tj = +2°C	3.80 kW	4.30 kW
COP Tj = +2°C	5.03	3.24
Cdh	0.940	0.970
Pdh Tj = +7°C	3.00 kW	2.70 kW
COP Tj = +7°C	6.56	4.30
Cdh	0.900	0.930
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.47	6.79
Cdh	0.890	0.910
Pdh Tj = Tbiv	7.00 kW	7.10 kW
COP Tj = Tbiv	2.60	2.02

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
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 _{SUP}	0.00 kW	0.90 kW
Consommation annuelle d'électricité Q _{HE}	2949 kWh	4971 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
Puissance électrique absorbée	3.32 kW
Cooling capacity	9.00
EER	2.71

EN 14825	

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	+7°C/+12°C
P _{designc}	7.00 kW
SEER	5.19
P _{dc} T _j = 35°C	7.00 kW
EER T _j = 35°C	3.06
P _{dc} T _j = 30°C	5.16 kW
EER T _j = 30°C	4.15
C _{dc}	0.9
P _{dc} T _j = 25°C	3.32 kW
EER T _j = 25°C	6.11
C _{dc}	0.9
P _{dc} T _j = 20°C	1.47 kW
EER T _j = 20°C	7.64
C _{dc}	0.9
P _{off}	8 W
PTO	0 W
PSB	10 W
PCK	0 W
Consommation annuelle d'électricité Q _{HE}	472 kWh

Model: WH-MDC09J3E5 + DGC200

General Data

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Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Profil de soutirage déclaré	L
Efficacité pour le chauffage de l'eau	113 %
COP	2.68
Durée de montée en température	1:06 h:min
Pertes statiques	70.0 W
Température d'eau chaude de référence	52.6 °C
Volume d'eau à 40°C	268 l