

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

Summary of	Aquarea Monobloc 7 kW STD (J Series)	Reg. No.	011-1W0399
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 7 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-MDC07J3E5

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Puissance thermique	7.00 kW	7.00 kW
Puissance électrique absorbée	1.47 kW	2.48 kW
COP	4.76	2.82

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	6.00 kW	7.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	6.20 kW
COP Tj = -7°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh	0.890	0.910
Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86

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P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	6.00 kW	6.20 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.95	1.86
WTOL	55 °C	55 °C
P _{off}	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	0.80 kW
Consommation annuelle d'électricité Q _{HE}	2532 kWh	4354 kWh

Cooling

EN 14825

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	+7°C/+12°C
P _{designc}	6.00 kW
SEER	5.44
P _{dc} T _j = 35°C	6.00 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	4.42 kW
EER T _j = 30°C	4.43
C _{dc}	0.9
P _{dc} T _j = 25°C	2.84 kW
EER T _j = 25°C	6.36
C _{dc}	0.9
P _{dc} T _j = 20°C	1.26 kW
EER T _j = 20°C	8.11
C _{dc}	0.9
P _{off}	8 W
PTO	0 W
PSB	10 W
PCK	0 W
Consommation annuelle d'électricité Q _{HE}	386 kWh

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EN 14511-2	
	+7°C/+12°C
Puissance électrique absorbée	2.29 kW
Cooling capacity	7.00
EER	3.06

Model: WH-MDC07J3E5 + DGC200

General Data

Power supply	1x230V 50Hz
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EN 14511-2

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EN 14511-4

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	+7°C/+12°C
Puissance électrique absorbée	2.29 kW
Cooling capacity	7.00
EER	3.06

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Profil de soutirage déclaré	L
Efficacité pour le chauffage de l'eau	125 %
COP	3.01
Durée de montée en température	1:04 h:min
Pertes statiques	30.0 W
Température d'eau chaude de référence	52.7 °C
Volume d'eau à 40°C	257 l