

Subtype Aquarea T-CAP 30 kW (M Series)

Certificate Holder	Panasonic Marketing Europe GmbH
Address	Hagenauer Strasse 43, Wiesbaden
ZIP	65203
City	Wiesbaden
Country	DE
Certification Body	ECC Eurovent Certita Certification
Subtype title	Aquarea T-CAP 30 kW (M Series)
Registration number	25.04.002
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	3 kg
Certification Date	04.04.2025
Testing basis	EN 14511: 2022 / EN 14825: 2022 / EN 12102-1: 2022
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model WH-WXG30ME8 (Outdoor unit Stand-alone)

Model name	WH-WXG30ME8 (Outdoor unit Stand-alone)
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	30.00 kW	30.00 kW
El input	6.81 kW	10.00 kW
COP	4.40	3.00

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	9.70 kW	7.30 kW
Cooling capacity	26.00	30.00
EER	2.68	4.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	155 %	135 %
Prated	30.00 kW	30.00 kW
SCOP	3.95	3.46
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	26.50 kW	26.50 kW
COP Tj = -7°C	2.32	1.83
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	16.20 kW	16.20 kW
COP Tj = +2°C	3.66	3.40
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	10.40 kW	10.40 kW
COP Tj = +7°C	6.14	4.99
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	9.57 kW	10.20 kW
COP Tj = 12°C	6.17	5.85
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	26.50 kW	30.00 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	26.50 kW	30.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	3.50 kW	0.00 kW
Annual energy consumption Qhe	15702 kWh	17931 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	125 %	105 %
Prated	30.00 kW	30.00 kW
SCOP	3.20	2.71
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	18.10 kW	18.10 kW
COP Tj = -7°C	2.43	1.99
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	11.00 kW	11.00 kW
COP Tj = +2°C	3.93	3.40
Cdh Tj = +2 °C	0.980	0.980

Pdh Tj = +7°C	7.80 kW	7.20 kW
COP Tj = +7°C	4.46	4.01
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	8.70 kW	8.20 kW
COP Tj = 12°C	5.75	5.15
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	24.40 kW	24.40 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.00 kW	19.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.71	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	11.00 kW	11.00 kW
Annual energy consumption Qhe	23111 kWh	27314 kWh
Pdh Tj = -15°C (if TOL	24.40	24.40
COP Tj = -15°C (if TOL	2.43	1.90
Cdh Tj = -15 °C	1.000	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	194 %	158 %
Prated	30.00 kW	30.00 kW
SCOP	4.93	4.01
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	30.00 kW	30.00 kW
COP Tj = +2°C	2.50	1.95
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	19.20 kW	19.30 kW
COP Tj = +7°C	4.59	3.49
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.80 kW	8.50 kW
COP Tj = 12°C	5.86	5.13
Cdh Tj = +12 °C	0.970	0.970

Pdh Tj = Tbiv	30.00 kW	30.00 kW
COP Tj = Tbiv	2.50	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	30.00 kW	30.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	8128 kWh	9984 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	26.00 kW	30.00 kW
SEER	4.54	6.11
Pdc Tj = 35°C	26.00 kW	30.00 kW
EER Tj = 35°C	2.68	4.10
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	19.16 kW	22.01 kW
EER Tj = 30°C	4.24	5.80
Cdc Tj = 30 °C	0.990	0.990
Pdc Tj = 25°C	12.32 kW	14.17 kW
EER Tj = 25°C	5.48	7.36
Cdc Tj = 25 °C	0.980	0.970
Pdc Tj = 20°C	6.65 kW	9.82 kW
EER Tj = 20°C	5.38	7.08
Cdc Tj = 20 °C	0.960	0.960
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Annual energy consumption Qce	2006 kWh	1718 kWh

Model WH-CME8L / WH-WXG30ME8

Model name	WH-CME8L / WH-WXG30ME8
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
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EN 14511-2 | Heating

	Low temperature	Medium temperature
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El input	6.81 kW	10.00 kW
COP	4.40	3.00

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	9.70 kW	7.30 kW
Cooling capacity	26.00	30.00
EER	2.68	4.10

EN 12102-1 | Average Climate

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COP Tj = -7°C	2.32	1.83
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	16.20 kW	16.20 kW
COP Tj = +2°C	3.66	3.40
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	10.40 kW	10.40 kW
COP Tj = +7°C	6.14	4.99
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	9.57 kW	10.20 kW
COP Tj = 12°C	6.17	5.85
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	26.50 kW	30.00 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	26.50 kW	30.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	3.50 kW	0.00 kW
Annual energy consumption Qhe	15702 kWh	17931 kWh

EN 12102-1 | Colder Climate

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Pdh Tj = +7°C	7.80 kW	7.20 kW
COP Tj = +7°C	4.46	4.01
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	8.70 kW	8.20 kW
COP Tj = 12°C	5.75	5.15
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	24.40 kW	24.40 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.00 kW	19.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.71	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	11.00 kW	11.00 kW
Annual energy consumption Qhe	23111 kWh	27314 kWh
Pdh Tj = -15°C (if TOL	24.40	24.40
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SCOP	4.93	4.01
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	30.00 kW	30.00 kW
COP Tj = +2°C	2.50	1.95
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	19.20 kW	19.30 kW
COP Tj = +7°C	4.59	3.49
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.80 kW	8.50 kW
COP Tj = 12°C	5.86	5.13
Cdh Tj = +12 °C	0.970	0.970

Pdh Tj = Tbiv	30.00 kW	30.00 kW
COP Tj = Tbiv	2.50	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	30.00 kW	30.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	40 W	40 W
PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	8128 kWh	9984 kWh

EN 14825 | Cooling

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EER Tj = 35°C	2.68	4.10
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	19.16 kW	22.01 kW
EER Tj = 30°C	4.24	5.80
Cdc Tj = 30 °C	0.990	0.990
Pdc Tj = 25°C	12.32 kW	14.17 kW
EER Tj = 25°C	5.48	7.36
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Pdc Tj = 20°C	6.65 kW	9.82 kW
EER Tj = 20°C	5.38	7.08
Cdc Tj = 20 °C	0.960	0.960
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PTO	50 W	50 W
PSB	40 W	40 W
PCK	0 W	0 W
Annual energy consumption Qce	2006 kWh	1718 kWh