

Subtype Inverter Air to Water Heat Pump- R290- 17

Certificate Holder	Kyung Dong Navien Co., Ltd.
Address	95, Suworam-gil, Seotan-myeon, Pyeongtack-si
ZIP	11704
City	Gyeonggi-do
Country	KR
Certification Body	BRE Global Limited
Subtype title	Inverter Air to Water Heat Pump- R290- 17
Registration number	041-K108-04
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.4 kg
Certification Date	05.12.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14

**Model PEM750V017PGKC**

Model name	PEM750V017PGKC
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 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	17.01 kW	17.30 kW
El input	3.73 kW	5.64 kW
COP	4.57	3.07

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	192 %	141 %
Prated	14.71 kW	14.85 kW
SCOP	4.87	3.61
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	13.01 kW	13.14 kW
COP Tj = -7°C	3.13	2.31
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.97 kW	8.11 kW
COP Tj = +2°C	4.83	3.53
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.17 kW	5.25 kW

COP Tj = +7°C	6.12	4.57
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.81 kW	5.60 kW
COP Tj = 12°C	8.32	6.58
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.01 kW	13.14 kW
COP Tj = Tbiv	3.13	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.39 kW	14.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	15 W	15 W
PSB	13 W	13 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.32 kW	0.06 kW
Annual energy consumption Qhe	6244 kWh	8502 kWh