

Subtype HPMO2-12

Certificate Holder	Kospel spółka z o.o.
Address	ul. Olchowa 1,
ZIP	75-136
City	Koszalin
Country	PL
Certification Body	BRE Global Limited
Subtype title	HPMO2-12
Registration number	041-K050-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	03.05.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model HPMO2-12		
Model name	HPMO2-12	
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 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	63 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	179 %	128 %
Prated	8.88 kW	8.67 kW
SCOP	4.55	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.67 kW
COP Tj = -7°C	3.15	2.22
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.06 kW	5.19 kW
COP Tj = +2°C	4.30	3.15
Cdh Tj = +2 °C	0.900	0.990
Pdh Tj = +7°C	4.30 kW	4.20 kW
COP Tj = +7°C	5.78	4.13
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	4.60 kW	4.26 kW
COP Tj = 12°C	8.11	5.90
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.85 kW	7.67 kW
COP Tj = Tbiv	3.15	2.22

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.94 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.87	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	52 °C	52 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	62 W	62 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.93 kW	1.61 kW
Annual energy consumption Qhe	4033 kWh	5456 kWh