

Subtype HP_OWER 260RK

Certificate Holder	Unical AG S.p.A
Address	Via Padana Inferiore 52/C
ZIP	29012
City	Caorso (PC)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	HP_OWER 260RK
Registration number	ICIM-PDC-000284
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	4.3 kg
Certification Date	23.09.2024
Testing basis	V9

Model HP_OWER 260RK

Model name	HP_OWER 260RK
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°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	26.00 kW	25.10 kW
El input	6.44 kW	9.51 kW
COP	4.04	2.64

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	6.19 kW	
Cooling capacity	18.69	
EER	3.02	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	155 %	123 %
Prated	20.00 kW	19.00 kW
SCOP	3.95	3.14
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C

Pdh Tj = -7°C	17.40 kW	17.00 kW
COP Tj = -7°C	2.49	1.89
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	10.60 kW	10.50 kW
COP Tj = +2°C	3.93	3.09
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	9.30 kW	9.30 kW
COP Tj = +7°C	4.88	4.03
Cdh Tj = +7 °C	0.992	0.993
Pdh Tj = 12°C	10.70 kW	10.90 kW
COP Tj = 12°C	6.53	5.62
Cdh Tj = +12 °C	0.991	0.992
Pdh Tj = Tbiv	17.40 kW	17.00 kW
COP Tj = Tbiv	2.49	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.40 kW	15.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.27	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	4.60 kW	3.70 kW
Annual energy consumption Qhe	10286 kWh	12652 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	18.69 kW	
SEER	4.55	
Pdc Tj = 35°C	18.69 kW	
EER Tj = 35°C	3.02	
Pdc Tj = 30°C	13.69 kW	
EER Tj = 30°C	4.15	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	9.00 kW	
EER Tj = 25°C	5.00	
Cdc Tj = 25 °C	0.900	
Pdc Tj = 20°C	9.74 kW	
EER Tj = 20°C	6.06	
Cdc Tj = 20 °C	0.900	
Poff	22 W	
PTO	0 W	

PSB	28 W
PCK	0 W
Annual energy consumption Qce	2465 kWh