

Subtype i-HPV5H 0260

Certificate Holder	Advantix S.p.A.
Address	Via San Giuseppe Lavoratore, 24
ZIP	37040
City	Arcole Verona
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	i-HPV5H 0260
Registration number	ICIM-PDC-000135
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	11.7 kg
Certification Date	25.02.2022
Testing basis	Heat Pump KEYMARK V9

Model i-HPV5H 0260

Model name	i-HPV5H 0260
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	61.40 kW	56.50 kW
El input	15.00 kW	21.70 kW
COP	4.09	2.60

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	15.45 kW	
Cooling capacity	48.00	
EER	3.11	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	80 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	154 %	120 %
Prated	47.00 kW	47.00 kW
SCOP	3.92	3.08
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	41.80 kW	41.30 kW
COP Tj = -7°C	2.18	1.55
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	27.70 kW	29.10 kW
COP Tj = +2°C	3.78	2.93
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	31.20 kW	43.40 kW
COP Tj = +7°C	5.56	4.68
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	35.60 kW	42.30 kW
COP Tj = 12°C	7.38	7.25
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	41.80 kW	41.30 kW
COP Tj = Tbiv	2.18	1.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	40.10 kW	37.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.87	1.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	76 W	76 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.90 kW	9.10 kW
Annual energy consumption Qhe	24924 kWh	31333 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	48.00 kW	
SEER	4.86	
Pdc Tj = 35°C	48.00 kW	
EER Tj = 35°C	3.11	
Cdc Tj = 35 °C		
Pdc Tj = 30°C	35.40 kW	
EER Tj = 30°C	4.12	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	27.02 kW	
EER Tj = 25°C	5.16	
Cdc Tj = 25 °C	1.000	
Pdc Tj = 20°C	28.95 kW	
EER Tj = 20°C	6.45	
Cdc Tj = 20 °C	1.000	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	5926 kWh