

Subtype i-HPV5H 0140

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 0140
Registration number	ICIM-PDC-000133
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	6.5 kg
Certification Date	25.02.2022
Testing basis	Heat Pump KEYMARK V9

Model i-HPV5H 0140

Model name	i-HPV5H 0140
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	40.00 kW	38.40 kW
El input	9.84 kW	14.20 kW
COP	4.07	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	9.53 kW	
Cooling capacity	29.60	
EER	3.11	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	74 dB(A)	74 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	167 %	126 %
Prated	31.00 kW	29.00 kW
SCOP	4.25	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-9 °C

Pdh Tj = -7°C	27.10 kW	25.80 kW
COP Tj = -7°C	2.49	1.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	17.60 kW	17.10 kW
COP Tj = +2°C	4.23	3.10
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	18.00 kW	20.20 kW
COP Tj = +7°C	5.54	4.59
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	20.20 kW	22.90 kW
COP Tj = 12°C	7.11	7.25
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	27.10 kW	25.80 kW
COP Tj = Tbiv	2.49	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	26.90 kW	25.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.51
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	38 W	38 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.10 kW	29.00 kW
Annual energy consumption Qhe	14894 kWh	18669 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	29.60 kW	
SEER	4.80	
Pdc Tj = 35°C	29.60 kW	
EER Tj = 35°C	3.11	
Cdc Tj = 35 °C	1.000	
Pdc Tj = 30°C	21.70 kW	
EER Tj = 30°C	4.14	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	15.00 kW	
EER Tj = 25°C	5.00	
Cdc Tj = 25 °C	1.000	
Pdc Tj = 20°C	16.19 kW	
EER Tj = 20°C	6.57	
Cdc Tj = 20 °C	1.000	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	3700 kWh