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Summary of	i-HPV5H 0250	Reg. No.	ICIM-PDC-000134
Certificate Holder			
Name	Advantix S.p.A.		
Address	Via San Giuseppe Lavoratore, 24	Zip	37040
City	Arcole Verona	Country	Italy
Certification Body	ICIM S.p.A.		
Subtype title	i-HPV5H 0250		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	8.5 kg		
Certification Date	25.02.2022		
Testing basis	Heat Pump KEYMARK V9		

Model: i-HPV5H 0250

Configure model

Model name	i-HPV5H 0250
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	50.20 kW	48.30 kW
El input	12.20 kW	18.02 kW
COP	4.11	2.68

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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EN 14825

	Low temperature	Medium temperature
η_s	163 %	122 %
Prated	44.00 kW	44.00 kW
SCOP	4.16	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	39.30 kW	39.20 kW
COP Tj = -7°C	2.22	1.55
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	24.90 kW	23.80 kW
COP Tj = +2°C	4.25	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	24.70 kW	23.70 kW
COP Tj = +7°C	5.55	4.48
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	28.50 kW	27.70 kW
COP Tj = 12°C	7.22	7.10
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	39.30 kW	39.20 kW
COP Tj = Tbiv	2.22	1.55

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	34.00 kW	34.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.91	1.25
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	n/a	n/a
Supplementary Heater: PSUP	10.00 kW	9.40 kW
Annual energy consumption Qhe	22063 kWh	29398 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

Cooling

EN 14511-2

	+7°C/+12°C
El input	11.70 kW
Cooling capacity	36.30
EER	3.10

EN 14825

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	+7°C/+12°C
P _{designc}	36.30 kW
SEER	4.72
P _{dc} T _j = 35°C	36.30 kW
EER T _j = 35°C	3.10
P _{dc} T _j = 30°C	26.80 kW
EER T _j = 30°C	3.93
C _{dc}	1.000
P _{dc} T _j = 25°C	21.65 kW
EER T _j = 25°C	5.00
C _{dc}	0.990
P _{dc} T _j = 20°C	23.94 kW
EER T _j = 20°C	6.45
C _{dc}	0.990
P _{off}	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q _{ce}	4614 kWh