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Login

Summary of	i-HPV5H 0270	Reg. No.	ICIM-PDC-000136
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 0270		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	12 kg		
Certification Date	25.02.2022		
Testing basis	Heat Pump KEYMARK V9		



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Model: i-HPV5H 0270

Configure model		
Model name	i-HPV5H 0270	
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		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	66.80 kW	62.00 kW
El input	16.30 kW	23.80 kW
СОР	4.10	2.61

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

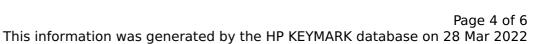


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	81 dB(A)	81 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	155 %	120 %
Prated	49.00 kW	51.00 kW
SCOP	3.94	3.08
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-9 °C
Pdh Tj = -7°C	43.60 kW	45.50 kW
COP Tj = -7°C	2.09	1.55
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	28.80 kW	28.50 kW
COP Tj = +2°C	3.89	3.02
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	33.10 kW	35.30 kW
COP Tj = +7°C	5.67	4.38
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	36.90 kW	39.70 kW

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COP Tj = 12°C	7.01	6.82
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	43.60 kW	45.50 kW
COP Tj = Tbiv	2.09	1.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	41.70 kW	42.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.79	1.41
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
РСК	76 W	76 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	7.30 kW	51.00 kW
Annual energy consumption Qhe	25821 kWh	34544 kWh

Cooling

CEN heat pump KEYMARK

EN 14825



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	+7°C/+12°C
Pdesignc	53.20 kW
SEER	4.85
Pdc Tj = 35°C	53.20 kW
EER Tj = 35°C	3.01
Pdc Tj = 30°C	39.20 kW
EER Tj = 30°C	4.06
Cdc	1.000
Pdc Tj = 25°C	29.04 kW
EER Tj = 25°C	5.10
Cdc	1.000
Pdc Tj = 20°C	31.50 kW
EER Tj = 20°C	6.73
Cdc	1.000
Poff	22 W
РТО	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	6581 kWh





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EN 14511-2	
+7°C/+12°C	
El input	17.67 kW
Cooling capacity	53.20
EER	3.01