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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		

## 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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	66.80 kW	62.00 kW
El input	16.30 kW	23.80 kW
COP	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

## Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	17.67 kW
Cooling capacity	53.20
EER	3.01

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	53.20 kW
SEER	4.85
P <sub>dc</sub> T <sub>j</sub> = 35°C	53.20 kW
EER T <sub>j</sub> = 35°C	3.01
P <sub>dc</sub> T <sub>j</sub> = 30°C	39.20 kW
EER T <sub>j</sub> = 30°C	4.06
C <sub>dc</sub>	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	29.04 kW
EER T <sub>j</sub> = 25°C	5.10
C <sub>dc</sub>	1.000
P <sub>dc</sub> T <sub>j</sub> = 20°C	31.50 kW
EER T <sub>j</sub> = 20°C	6.73
C <sub>dc</sub>	1.000
P <sub>off</sub>	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	6581 kWh

## 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
$\eta_s$	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
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	7.30 kW	51.00 kW
Annual energy consumption Qhe	25821 kWh	34544 kWh