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Summary of	i-32V5 MIDI 0121 -0126	Reg. No.	ICIM-PDC-000104
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-32V5 MIDI 0121 -0126		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4.3 kg		
Certification Date	07.06.2021		
Testing basis	V9		

Model: i-32V5 MIDI 0121

Configure model	
Model name	i-32V5 MIDI 0121
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	21.30 kW	19.80 kW
El input	4.92 kW	7.51 kW
COP	4.33	2.64

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

This information was generated by the HP KEYMARK database on 5 Apr 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	165 %	122 %
Prated	20.00 kW	19.00 kW
SCOP	4.20	3.14
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	17.30 kW	17.00 kW
COP Tj = -7°C	2.54	1.86
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	10.60 kW	10.50 kW
COP Tj = +2°C	4.24	3.13
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	9.30 kW	9.20 kW
COP Tj = +7°C	5.15	3.94
Cdh Tj = +7 °C	0.992	0.995
Pdh Tj = 12°C	10.90 kW	10.80 kW

This information was generated by the HP KEYMARK database on 5 Apr 2022

COP Tj = 12°C	7.08	5.51
Cdh Tj = +12 °C	0.990	0.994
Pdh Tj = Tbiv	17.30 kW	17.00 kW
COP Tj = Tbiv	2.54	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.50 kW	15.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	4.50 kW	3.90 kW
Annual energy consumption Qhe	9608 kWh	12663 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	5.86 kW
Cooling capacity	17.70
EER	3.02

EN 14825

This information was generated by the HP KEYMARK database on 5 Apr 2022

	+7°C/+12°C
P _{designc}	17.67 kW
SEER	4.44
P _{dc} T _j = 35°C	17.70 kW
EER T _j = 35°C	3.02
P _{dc} T _j = 30°C	12.94 kW
EER T _j = 30°C	4.03
C _{dc}	1.000
P _{dc} T _j = 25°C	8.82 kW
EER T _j = 25°C	4.89
C _{dc}	1.000
P _{dc} T _j = 20°C	9.53 kW
EER T _j = 20°C	5.94
C _{dc}	0.900
P _{off}	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q _{ce}	2389 kWh

Model: i-32V5 MIDI 0126

Configure model	
Model name	i-32V5 MIDI 0126
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	26.00 kW	25.10 kW
El input	6.44 kW	9.51 kW
COP	4.04	2.64

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	155 %	123 %
Prated	20.00 kW	19.00 kW
SCOP	3.95	3.14
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	17.40 kW	17.00 kW
COP Tj = -7°C	2.49	1.89
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	10.60 kW	10.50 kW
COP Tj = +2°C	3.93	3.09
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	9.30 kW	9.30 kW
COP Tj = +7°C	4.88	4.03
Cdh Tj = +7 °C	0.992	0.993
Pdh Tj = 12°C	10.70 kW	10.90 kW

This information was generated by the HP KEYMARK database on 5 Apr 2022

COP Tj = 12°C	6.53	5.62
Cdh Tj = +12 °C	0.991	0.992
Pdh Tj = Tbiv	17.40 kW	17.00 kW
COP Tj = Tbiv	2.49	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.40 kW	15.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.27	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	4.60 kW	3.70 kW
Annual energy consumption Qhe	10286 kWh	12652 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	6.19 kW
Cooling capacity	18.69
EER	3.02

EN 14825

This information was generated by the HP KEYMARK database on 5 Apr 2022

	+7°C/+12°C
P _{designc}	18.69 kW
SEER	4.55
P _{dc} T _j = 35°C	18.69 kW
EER T _j = 35°C	3.02
P _{dc} T _j = 30°C	13.69 kW
EER T _j = 30°C	4.15
C _{dc}	1.000
P _{dc} T _j = 25°C	9.00 kW
EER T _j = 25°C	5.00
C _{dc}	0.900
P _{dc} T _j = 20°C	9.74 kW
EER T _j = 20°C	6.06
C _{dc}	0.900
P _{off}	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q _{ce}	2465 kWh