Login

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

Cooling

EN 14511-2

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

EN 14825

	+7°C/+12°C
Pdesignc	17.67 kW
SEER	4.44
Pdc Tj = 35°C	17.70 kW
EER Tj = 35°C	3.02
Pdc Tj = 30°C	12.94 kW
EER Tj = 30°C	4.03
Cdc	1.000
Pdc Tj = 25°C	8.82 kW
EER Tj = 25°C	4.89
Cdc	1.000
Pdc Tj = 20°C	9.53 kW
EER Tj = 20°C	5.94
Cdc	0.900
Poff	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	2389 kWh

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	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

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

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

Cooling

EN 14511-2

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

EN 14825

	+7°C/+12°C
Pdesignc	18.69 kW
SEER	4.55
Pdc Tj = 35°C	18.69 kW
EER Tj = 35°C	3.02
Pdc Tj = 30°C	13.69 kW
EER Tj = 30°C	4.15
Cdc	1.000
Pdc Tj = 25°C	9.00 kW
EER Tj = 25°C	5.00
Cdc	0.900
Pdc Tj = 20°C	9.74 kW
EER Tj = 20°C	6.06
Cdc	0.900
Poff	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	2465 kWh

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

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