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Login

Summary of	i-32V5 MIDI 0128 -0132	Reg. No.	ICIM-PDC-000105
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 0128 -0132		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	5.1 kg		
Certification Date	07.06.2021		
Testing basis	V9		

Model: i-32V5 MIDI 0128

Configure model	
Model name	i-32V5 MIDI 0128
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	28.00 kW	27.30 kW
El input	6.35 kW	9.99 kW
COP	4.41	2.73

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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	169 %	126 %
Prated	25.00 kW	24.00 kW
SCOP	4.29	3.23
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	21.70 kW	20.80 kW
COP Tj = -7°C	2.68	1.93
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	13.20 kW	12.80 kW
COP Tj = +2°C	4.26	3.20
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	11.90 kW	11.50 kW
COP Tj = +7°C	5.39	4.10
Cdh Tj = +7 °C	0.993	0.995
Pdh Tj = 12°C	13.70 kW	13.50 kW

COP Tj = 12°C	7.06	5.77
Cdh Tj = +12 °C	0.992	0.993
Pdh Tj = Tbiv	21.70 kW	20.80 kW
COP Tj = Tbiv	2.68	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.30 kW	18.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.73
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	5.70 kW	5.20 kW
Annual energy consumption Qhe	11823 kWh	15056 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	7.99 kW
Cooling capacity	24.20
EER	3.03

EN 14825

	+7°C/+12°C
Pdesignc	24.20 kW
SEER	4.76
Pdc Tj = 35°C	24.20 kW
EER Tj = 35°C	3.03
Pdc Tj = 30°C	17.74 kW
EER Tj = 30°C	4.12
Cdc	1.000
Pdc Tj = 25°C	11.32 kW
EER Tj = 25°C	5.38
Cdc	0.900
Pdc Tj = 20°C	12.26 kW
EER Tj = 20°C	6.47
Cdc	0.900
Poff	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	3037 kWh

Model: i-32V5 MIDI 0132

Configure model	
Model name	i-32V5 MIDI 0132
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	32.10 kW	31.80 kW
El input	7.84 kW	12.10 kW
COP	4.09	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	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	158 %	122 %
Prated	24.00 kW	25.00 kW
SCOP	4.02	3.14
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	21.30 kW	21.70 kW
COP Tj = -7°C	2.57	1.90
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	13.00 kW	13.30 kW
COP Tj = +2°C	3.94	3.09
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	11.60 kW	11.90 kW
COP Tj = +7°C	5.03	3.96
Cdh Tj = +7 °C	0.993	0.995
Pdh Tj = 12°C	13.50 kW	14.00 kW

COP Tj = 12°C	6.96	5.51
Cdh Tj = +12 °C	0.992	0.994
Pdh Tj = Tbiv	21.30 kW	21.70 kW
COP Tj = Tbiv	2.57	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.80 kW	19.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.29	1.70
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	5.20 kW	5.50 kW
Annual energy consumption Qhe	12369 kWh	16150 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	8.65 kW
Cooling capacity	26.00
EER	3.01

EN 14825

	+7°C/+12°C
Pdesignc	26.00 kW
SEER	4.81
Pdc Tj = 35°C	26.00 kW
EER Tj = 35°C	3.01
Pdc Tj = 30°C	19.10 kW
EER Tj = 30°C	4.15
Cdc	1.000
Pdc Tj = 25°C	12.27 kW
EER Tj = 25°C	5.35
Cdc	1.000
Pdc Tj = 20°C	12.56 kW
EER Tj = 20°C	6.63
Cdc	0.900
Poff	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	3241 kWh