Subtype i-32V514

Certificate Holder	Advantix S.p.A.
Address	Via San Giuseppe Lavoratore, 24
ZIP	37040
City	Arcole Verona
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	i-32V514
Registration number	ICIM-PDC-000075-00
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3.6 kg
Certification Date	26.05.2020
Testing basis	HP KEYMARK certification scheme rules rev. no. 7

Model i-32V514		
Model name	i-32V514	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4 | Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	14.10 kW	13.44 kW
El input	2.91 kW	4.35 kW
COP	4.85	3.09
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.53 kW	
Cooling capacity	11.48	
EER	3.25	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.48	3.31
Tbiv	-7 °C	-7 °C

TOL	-20 °C	-15 °C
Pdh Tj = -7°C	10.70 kW	10.30 kW
COP Tj = -7°C	2.98	2.10
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.50 kW	6.20 kW
COP Tj = +2°C	4.20	3.21
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.98	4.19
Cdh Tj = +7 °C	0.980	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.16	6.17
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.50 kW	1.80 kW
Annual energy consumption Qhe	5583 kWh	7259 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.48 kW	
SEER	4.77	
Pdc Tj = 35°C	11.48 kW	
EER Tj = 35°C	3.25	
Pdc Tj = 30°C	8.47 kW	
EER Tj = 30°C	4.31	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	5.41 kW	
EER Tj = 25°C	4.91	
Cdc Tj = 25 °C	0.983	
Pdc Tj = 20°C	5.53 kW	
EER Tj = 20°C	6.72	
Cdc Tj = 20 °C	0.977	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	1444 kWh

Model i-32V514T		
Model name	i-32V514T	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4 | Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	14.10 kW	13.44 kW
El input	2.91 kW	4.35 kW
COP	4.85	3.09
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.53 kW	
Cooling capacity	11.48	
EER	3.25	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.48	3.31
Tbiv	-7 °C	-7 °C

TOL	-20 °C	-15 °C
Pdh Tj = -7°C	10.70 kW	10.30 kW
COP Tj = -7°C	2.98	2.10
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.50 kW	6.20 kW
COP Tj = +2°C	4.20	3.21
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.98	4.19
Cdh Tj = +7 °C	0.980	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.16	6.17
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.50 kW	1.80 kW
Annual energy consumption Qhe	5583 kWh	7259 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.48 kW	
SEER	4.77	
Pdc Tj = 35°C	11.48 kW	
EER Tj = 35°C	3.25	
Pdc Tj = 30°C	8.47 kW	
EER Tj = 30°C	4.31	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	5.41 kW	
EER Tj = 25°C	4.91	
Cdc Tj = 25 °C	0.983	
Pdc Tj = 20°C	5.53 kW	
EER Tj = 20°C	6.72	
Cdc Tj = 20 °C	0.977	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	1444 kWh

Model i-32V5/KA/14		
Model name	i-32V5/KA/14	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4 | Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	14.10 kW	13.44 kW
El input	2.91 kW	4.35 kW
COP	4.85	3.09
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.53 kW	
Cooling capacity	11.48	
EER	3.25	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.48	3.31
Tbiv	-7 °C	-7 °C

TOL	-20 °C	-15 °C
Pdh Tj = -7°C	10.70 kW	10.30 kW
COP Tj = -7°C	2.98	2.10
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.50 kW	6.20 kW
COP Tj = +2°C	4.20	3.21
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.98	4.19
Cdh Tj = +7 °C	0.980	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.16	6.17
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.50 kW	1.80 kW
Annual energy consumption Qhe	5583 kWh	7259 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.48 kW	
SEER	4.77	
Pdc Tj = 35°C	11.48 kW	
EER Tj = 35°C	3.25	
Pdc Tj = 30°C	8.47 kW	
EER Tj = 30°C	4.31	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	5.41 kW	
EER Tj = 25°C	4.91	
Cdc Tj = 25 °C	0.983	
Pdc Tj = 20°C	5.53 kW	
EER Tj = 20°C	6.72	
Cdc Tj = 20 °C	0.977	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	1444 kWh

Model i-32V5/KA/14T		
Model name	i-32V5/KA/14T	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4 | Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	14.10 kW	13.44 kW
El input	2.91 kW	4.35 kW
COP	4.85	3.09
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.53 kW	
Cooling capacity	11.48	
EER	3.25	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.48	3.31
Tbiv	-7 °C	-7 °C

TOL	-20 °C	-15 °C
Pdh Tj = -7°C	10.70 kW	10.30 kW
COP Tj = -7°C	2.98	2.10
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.50 kW	6.20 kW
COP Tj = +2°C	4.20	3.21
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.98	4.19
Cdh Tj = +7 °C	0.980	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.16	6.17
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	10.70 kW	10.30 kW
COP Tj = Tbiv	2.98	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.50 kW	1.80 kW
Annual energy consumption Qhe	5583 kWh	7259 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.48 kW	
SEER	4.77	
Pdc Tj = 35°C	11.48 kW	
EER Tj = 35°C	3.25	
Pdc Tj = 30°C	8.47 kW	
EER Tj = 30°C	4.31	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	5.41 kW	
EER Tj = 25°C	4.91	
Cdc Tj = 25 °C	0.983	
Pdc Tj = 20°C	5.53 kW	
EER Tj = 20°C	6.72	
Cdc Tj = 20 °C	0.977	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	1444 kWh