

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	i-32V5 16/18	Reg. No.	ICIM-PDC-000074-00
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 16/18		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4 kg		
Certification Date	26.05.2020		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		

## Model: i-32V516

### Configure model

Model name	i-32V516
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	16.30 kW	15.63 kW
El input	3.49 kW	5.18 kW
COP	4.67	3.02

### 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

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**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.38 kW
Cooling capacity	13.80
EER	3.15

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.80 kW
SEER	4.80
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.80 kW
EER T <sub>j</sub> = 35°C	3.15
P <sub>dc</sub> T <sub>j</sub> = 30°C	10.17 kW
EER T <sub>j</sub> = 30°C	4.36
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.47 kW
EER T <sub>j</sub> = 25°C	5.30
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.53 kW
EER T <sub>j</sub> = 20°C	6.67
C <sub>dc</sub>	1.0
P <sub>off</sub>	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q <sub>ce</sub>	1726 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	177 %	126 %
Prated	14.00 kW	13.00 kW
SCOP	4.50	3.22
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.88	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.33	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.70 kW	5.50 kW
COP Tj = +7°C	5.83	4.11
Cdh Tj = +7 °C	0.981	0.986

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Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.12	6.30
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	12.00 kW	11.50 kW
COP Tj = Tbiv	2.88	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	2.30 kW	1.50 kW
Annual energy consumption Qhe	6209 kWh	8357 kWh

## Model: i-32V518T

Configure model	
Model name	i-32V518T
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	17.90 kW	17.25 kW
El input	4.07 kW	5.99 kW
COP	4.40	2.88

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	4.88 kW
Cooling capacity	15.04
EER	3.08

**EN 14825**



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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	15.04 kW
SEER	5.05
P <sub>dc</sub> T <sub>j</sub> = 35°C	15.04 kW
EER T <sub>j</sub> = 35°C	3.08
P <sub>dc</sub> T <sub>j</sub> = 30°C	10.96 kW
EER T <sub>j</sub> = 30°C	4.38
C <sub>dc</sub>	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	7.06 kW
EER T <sub>j</sub> = 25°C	5.52
C <sub>dc</sub>	0.985
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.54 kW
EER T <sub>j</sub> = 20°C	6.80
C <sub>dc</sub>	0.977
P <sub>off</sub>	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1788 kWh

## Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

### EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	131 %
Prated	15.00 kW	14.00 kW
SCOP	4.46	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.80 kW	12.50 kW
COP Tj = -7°C	2.83	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.80 kW	7.60 kW
COP Tj = +2°C	4.34	3.34
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.67	4.14
Cdh Tj = +7 °C	0.981	0.990
Pdh Tj = 12°C	6.70 kW	6.60 kW

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COP Tj = 12°C	7.94	6.15
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	12.80 kW	12.50 kW
COP Tj = Tbiv	2.83	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.80 kW	12.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	2.20 kW	1.40 kW
Annual energy consumption Qhe	6720 kWh	8659 kWh

## Model: i-32V516T

### Configure model

Model name	i-32V516T
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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## Cooling

### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.38 kW
Cooling capacity	13.80
EER	3.15

### EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.80 kW
SEER	4.80
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.80 kW
EER T <sub>j</sub> = 35°C	3.15
P <sub>dc</sub> T <sub>j</sub> = 30°C	10.17 kW
EER T <sub>j</sub> = 30°C	4.36
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.47 kW
EER T <sub>j</sub> = 25°C	5.30
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.53 kW
EER T <sub>j</sub> = 20°C	6.67
C <sub>dc</sub>	1.0
P <sub>off</sub>	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Q <sub>ce</sub>	1726 kWh

## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	16.30 kW	15.63 kW
El input	3.49 kW	5.18 kW
COP	4.67	3.02

### 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 indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	177 %	126 %

This information was generated by the HP KEYMARK database on 22 Jun 2022

Prated	14.00 kW	13.00 kW
SCOP	4.49	3.22
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.88	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.33	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.70 kW	5.50 kW
COP Tj = +7°C	5.83	4.11
Cdh Tj = +7 °C	0.981	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.12	6.30
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	12.00 kW	11.50 kW
COP Tj = Tbiv	2.88	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		

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WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	2.30 kW	1.50 kW
Annual energy consumption Qhe	6209 kWh	8357 kWh



## Model: i-32V5SL16

### Configure model

Model name	i-32V5SL16
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

### General Data

Power supply	1x230V 50Hz
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## Cooling

### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.38 kW
Cooling capacity	13.80
EER	3.15

### EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.80 kW
SEER	4.94
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.80 kW
EER T <sub>j</sub> = 35°C	3.15
P <sub>dc</sub> T <sub>j</sub> = 30°C	10.17 kW
EER T <sub>j</sub> = 30°C	4.36
C <sub>dc</sub>	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.47 kW
EER T <sub>j</sub> = 25°C	5.30
C <sub>dc</sub>	0.984
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.53 kW
EER T <sub>j</sub> = 20°C	6.67
C <sub>dc</sub>	0.977
P <sub>off</sub>	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1677 kWh

## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	8.65 kW	8.29 kW
El input	1.68 kW	2.49 kW
COP	5.15	3.32

### 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 indoor	dB(A)	dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	186 %	133 %

This information was generated by the HP KEYMARK database on 22 Jun 2022

Prated	13.00 kW	13.00 kW
SCOP	4.72	3.39
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	11.90 kW	11.50 kW
COP Tj = -7°C	2.98	2.16
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.56	3.23
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	6.17	4.34
Cdh Tj = +7 °C	0.980	0.985
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.70	6.75
Cdh Tj = +12 °C	0.975	0.981
Pdh Tj = Tbiv	11.90 kW	11.50 kW
COP Tj = Tbiv	2.98	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.40 kW	11.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		

This information was generated by the HP KEYMARK database on 22 Jun 2022

WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.60 kW	1.80 kW
Annual energy consumption Qhe	5882 kWh	7914 kWh

## Model: i-32V5SL16T

### Configure model

Model name	i-32V5SL16T
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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## Cooling

### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.38 kW
Cooling capacity	13.80
EER	3.15

### EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.80 kW
SEER	4.94
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.80 kW
EER T <sub>j</sub> = 35°C	3.15
P <sub>dc</sub> T <sub>j</sub> = 30°C	10.17 kW
EER T <sub>j</sub> = 30°C	4.36
C <sub>dc</sub>	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.47 kW
EER T <sub>j</sub> = 25°C	5.30
C <sub>dc</sub>	0.984
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.53 kW
EER T <sub>j</sub> = 20°C	6.67
C <sub>dc</sub>	0.977
P <sub>off</sub>	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1677 kWh

## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	8.65 kW	8.29 kW
El input	1.68 kW	2.49 kW
COP	5.15	3.32

### 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 indoor	dB(A)	dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	186 %	133 %



This information was generated by the HP KEYMARK database on 22 Jun 2022

Prated	13.00 kW	13.00 kW
SCOP	4.72	3.39
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	11.90 kW	11.50 kW
COP Tj = -7°C	2.98	2.16
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.56	3.23
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	6.17	4.34
Cdh Tj = +7 °C	0.980	0.985
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.70	6.75
Cdh Tj = +12 °C	0.975	0.981
Pdh Tj = Tbiv	11.90 kW	11.20 kW
COP Tj = Tbiv	2.98	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.40 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		

This information was generated by the HP KEYMARK database on 22 Jun 2022

WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.60 kW	1.50 kW
Annual energy consumption Qhe	5882 kWh	7914 kWh