

Subtype Large Evo 45.4 - 50.4

Certificate Holder	Clivet s.p.a.
Address	Via camp lonic 25 c.ap.
ZIP	I-32032
City	z.i. Villapaiera - Feltre (BL)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	Large Evo 45.4 - 50.4
Registration number	ICIM-PDC-000230
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	29 kg
Certification Date	25.01.2024
Testing basis	V12
Testing laboratory	IMQ S.p.A., IT

**Model WiSAN-YEE1 45.4 EN**

Model name	WiSAN-YEE1 45.4 EN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	120.00 kW	95.60 kW
EI input	32.40 kW	47.00 kW
COP	3.71	2.03

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	85 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	163 %	116 %
Prated	92.10 kW	77.49 kW
SCOP	4.16	2.97
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	81.50 kW	68.55 kW
COP Tj = -7°C	2.68	1.80
Cdh Tj = -7 °C	0.960	0.96
Pdh Tj = +2°C	49.50 kW	42.00 kW
COP Tj = +2°C	3.94	3.19
Cdh Tj = +2 °C	0.960	0.96
Pdh Tj = +7°C	42.20 kW	27.00 kW
COP Tj = +7°C	5.78	3.29
Cdh Tj = +7 °C	0.960	0.96
Pdh Tj = 12°C	22.60 kW	24.42 kW
COP Tj = 12°C	6.84	4.73
Cdh Tj = +12 °C	0.960	0.96
Pdh Tj = Tbiv	81.50 kW	68.55 kW
COP Tj = Tbiv	2.68	1.80

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	69.80 kW	56.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.28	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.960	0.96
WTOL	60 °C	60 °C
Poff	159 W	0.159 W
PTO	159 W	0.159 W
PSB	159 W	0.159 W
PCK	0 W	0.000 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	22.00 kW	21.27 kW
Annual energy consumption Qhe	45781 kWh	53933 kWh

**Model WiSAN-YEE1 50.4 EN**

Model name	WiSAN-YEE1 50.4 EN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	135.00 kW	104.00 kW
EI input	37.50 kW	50.40 kW
COP	3.61	2.06

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	85 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	162 %	112 %
Prated	96.80 kW	85.62 kW
SCOP	4.12	2.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	85.70 kW	75.74 kW
COP Tj = -7°C	2.65	1.79
Cdh Tj = -7 °C	0.960	0.96
Pdh Tj = +2°C	49.50 kW	43.12 kW
COP Tj = +2°C	3.92	3.01
Cdh Tj = +2 °C	0.960	0.96
Pdh Tj = +7°C	42.20 kW	32.13 kW
COP Tj = +7°C	5.71	3.29
Cdh Tj = +7 °C	0.960	0.96
Pdh Tj = 12°C	23.20 kW	26.39 kW
COP Tj = 12°C	6.70	4.71
Cdh Tj = +12 °C	0.960	0.96
Pdh Tj = Tbiv	85.70 kW	75.74 kW
COP Tj = Tbiv	2.65	1.79

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	71.20 kW	61.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.45
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.960	0.96
WTOL	60 °C	60 °C
Poff	159 W	0.159 W
PTO	159 W	0.159 W
PSB	159 W	0.159 W
PCK	0 W	0.000 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	25.60 kW	23.82 kW
Annual energy consumption Qhe	48582 kWh	61446 kWh

**Model WiSAN-YEE1 45.4 LN**

Model name	WiSAN-YEE1 45.4 LN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	120.00 kW	95.60 kW
EI input	32.40 kW	47.00 kW
COP	3.71	2.03

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	85 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	163 %	116 %
Prated	92.10 kW	77.49 kW
SCOP	4.16	2.97
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	81.50 kW	68.55 kW
COP Tj = -7°C	2.68	1.80
Cdh Tj = -7 °C	0.960	0.960
Pdh Tj = +2°C	49.50 kW	42.00 kW
COP Tj = +2°C	3.94	3.19
Cdh Tj = +2 °C	0.960	0.960
Pdh Tj = +7°C	42.20 kW	27.00 kW
COP Tj = +7°C	5.78	3.29
Cdh Tj = +7 °C	0.960	0.960
Pdh Tj = 12°C	22.60 kW	24.42 kW
COP Tj = 12°C	6.84	4.79
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	81.50 kW	68.55 kW
COP Tj = Tbiv	2.68	1.80

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	69.80 kW	56.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.28	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.960	0.960
WTOL	60 °C	60 °C
Poff	159 W	159 W
PTO	159 W	159 W
PSB	159 W	159 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	22.00 kW	21.27 kW
Annual energy consumption Qhe	45781 kWh	53933 kWh

**Model WiSAN-YEE1 50.4 SC**

Model name	WiSAN-YEE1 50.4 SC
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	135.00 kW	104.00 kW
EI input	37.50 kW	50.40 kW
COP	3.61	2.06

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	85 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	162 %	112 %
Prated	96.80 kW	85.62 kW
SCOP	4.12	2.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	85.70 kW	75.74 kW
COP Tj = -7°C	2.65	1.79
Cdh Tj = -7 °C	0.960	0.960
Pdh Tj = +2°C	49.50 kW	43.12 kW
COP Tj = +2°C	3.92	3.01
Cdh Tj = +2 °C	0.960	0.960
Pdh Tj = +7°C	42.20 kW	32.13 kW
COP Tj = +7°C	5.71	3.29
Cdh Tj = +7 °C	0.960	0.960
Pdh Tj = 12°C	23.20 kW	26.39 kW
COP Tj = 12°C	6.70	4.71
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	85.70 kW	75.74 kW
COP Tj = Tbiv	2.65	1.79

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	71.20 kW	61.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.45
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.960	0.960
WTOL	60 °C	60 °C
Poff	159 W	159 W
PTO	159 W	159 W
PSB	159 W	159 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	25.60 kW	23.82 kW
Annual energy consumption Qhe	48582 kWh	61446 kWh

**Model WiSAN-YEE1 45.4 SC**

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Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
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Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	22.00 kW	21.27 kW
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Any additional heat sources	n/a

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Pdh Tj = +7°C	42.20 kW	32.13 kW
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Cdh Tj = +7 °C	0.960	0.960
Pdh Tj = 12°C	23.20 kW	26.39 kW
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Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	25.60 kW	23.82 kW
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