Subtype SHEEN EVO 2.0 PRM 45.2, 50.2, 55.2

Certificate Holder	Clivet s.p.a.
Address	Via camp lonc 25 c.ap.
ZIP	I-32032
City	z.i. Villapaiera - Feltre (BL)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	SHEEN EVO 2.0 PRM 45.2, 50.2, 55.2
Registration number	ICIM-PDC-000235
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	17.5 kg
Certification Date	25.01.2024
Testing basis	V12

Model WiSAN-YSE1 PRM-SC 45.2	
Model name	WiSAN-YSE1 PRM-SC 45.2
Application	Heating (low 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	118.50 kW	
El input	31.35 kW	
COP	3.78	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	84 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	161 %	
Prated	79.13 kW	
SCOP	4.11	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	70.00 kW	
COP Tj = -7°C	2.31	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	42.61 kW	
COP Tj = +2°C	4.16	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	31.15 kW	
COP Tj = +7°C	5.55	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	25.20 kW	
COP Tj = 12°C	7.00	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	70.00 kW	
COP Tj = Tbiv	2.31	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	67.44 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.15
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	35 °C
Poff	135 W
PTO	200 W
PSB	135 W
PCK	135 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	11.69 kW
Annual energy consumption Qhe	39779 kWh

Model WiSAN-YSE1 PRM-EN 45.2	
Model name	WiSAN-YSE1 PRM-EN 45.2
Application	Heating (low 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	99.50 kW	
El input	26.05 kW	
COP	3.82	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	79 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	160 %	
Prated	71.22 kW	
SCOP	4.07	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	63.00 kW	
COP Tj = -7°C	2.26	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	38.35 kW	
COP Tj = +2°C	4.16	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	31.15 kW	
COP Tj = +7°C	5.55	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	25.20 kW	
COP Tj = 12°C	7.00	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	63.00 kW	
COP Tj = Tbiv	2.26	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	60.69 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	35 °C
Poff	135 W
PTO	200 W
PSB	135 W
PCK	135 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	10.52 kW
Annual energy consumption Qhe	36107 kWh

Model WiSAN-YSE1 PRM-SC 50.2		
Model name	WiSAN-YSE1 PRM-SC 50.2	
Application	Heating (low 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	130.50 kW	
El input	35.27 kW	
COP	3.70	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	160 %	
Prated	85.00 kW	
SCOP	4.07	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	75.19 kW	
COP Tj = -7°C	2.27	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	45.77 kW	
COP Tj = +2°C	4.07	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	29.42 kW	
COP Tj = +7°C	5.44	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	13.08 kW	
COP Tj = 12°C	7.00	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	75.19 kW	
COP Tj = Tbiv	2.27	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	72.44 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	35 °C
Poff	135 W
PTO	200 W
PSB	135 W
PCK	135 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	12.56 kW
Annual energy consumption Qhe	43122 kWh

Model WiSAN-YSE1 PRM-EN 50.2		
Model name	WiSAN-YSE1 PRM-EN 50.2	
Application	Heating (low 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	105.70 kW	
El input	28.04 kW	
COP	3.77	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	158 %	
Prated	74.61 kW	
SCOP	4.02	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	66.00 kW	
COP Tj = -7°C	2.25	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	40.17 kW	
COP Tj = +2°C	4.07	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	31.15 kW	
COP Tj = +7°C	5.44	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	25.20 kW	
COP Tj = 12°C	7.00	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	66.00 kW	
COP Tj = Tbiv	2.25	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	63.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	35 °C
Poff	135 W
PTO	200 W
PSB	135 W
PCK	135 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	11.03 kW
Annual energy consumption Qhe	38384 kWh

Model WiSAN-YSE1 PRM-SC 55.2		
Model name	WiSAN-YSE1 PRM-SC 55.2	
Application	Heating (low 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	139.00 kW	
El input	38.29 kW	
COP	3.63	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	159 %	
Prated	90.00 kW	
SCOP	4.04	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	79.62 kW	
COP Tj = -7°C	2.26	
Cdh Tj = -7 °C	0.900	
Pdh Tj = +2°C	48.46 kW	
COP Tj = +2°C	4.05	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	31.15 kW	
COP Tj = +7°C	5.44	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	25.20 kW	
COP Tj = 12°C	7.00	
Cdh Tj = +12 °C	0.900	
Pdh Tj = Tbiv	79.62 kW	
COP Tj = Tbiv	2.26	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	76.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	35 °C
Poff	135 W
PTO	200 W
PSB	135 W
PCK	135 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	13.30 kW
Annual energy consumption Qhe	46047 kWh

Model WiSAN-YSE1 PRM-EN 55.2		
Model name	WiSAN-YSE1 PRM-EN 55.2	
Application	Heating (low 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	114.00 kW	
El input	30.48 kW	
COP	3.74	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	