Login

Summary of	ELFOEnergy Sheen EVO 30.2, 35.2, 40.2	Reg. No.	ICIM-PDC-000132-00
Certificate Holder			
Name	Clivet s.p.a.		
Address	Via camp lonc 25 c.ap.	Zip	I-32032
City	z.i. Villapaiera - Feltre (BL)	Country	Italy
Certification Body	ICIM S.p.A.		
Subtype title	ELFOEnergy Sheen EVO 30.2, 35.2, 40.2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	17.5 kg		
Certification Date	21.02.2022		
Testing basis	HP KEYMARK certification scheme rules rev. no. 9		

Model: WSAN-YSi 30.2

Configure model	
Model name	WSAN-YSi 30.2
Application	Heating (low 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
Heat output	77.50 kW
El input	18.67 kW
COP	4.15

Cooling

EN 14511-2	
	+7°C/+12°C
El input	22.23 kW
Cooling capacity	68.90
EER	3.09

EN 14825	
	+7°C/+12°C
Pdesignc	68.90 kW
SEER	4.14
Pdc Tj = 35°C	68.90 kW
EER Tj = 35°C	3.09
Pdc Tj = 30°C	49.07 kW
EER Tj = 30°C	3.88
Cdc	0.900
Pdc Tj = 25°C	31.48 kW
EER Tj = 25°C	4.63
Cdc	0.900
Pdc Tj = 20°C	23.76 kW
EER Tj = 20°C	5.05
Cdc	0.900
Poff	104 W
PTO	244 W
PSB	104 W
PCK	0 W
Annual energy consumption Qce	9916 kWh

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	82 dB(A)

EN 14825	
	Low temperature
η_s	160 %
Prated	51.00 kW
SCOP	4.06
Tbiv	-7 °C
TOL	-15 °C
Pdh Tj = -7°C	45.02 kW
COP Tj = -7°C	2.75
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	28.17 kW
COP Tj = +2°C	4.18
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	26.16 kW
COP Tj = +7°C	5.00
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	31.74 kW

COP Tj = 12°C	6.88
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	45.02 kW
COP Tj = Tbiv	2.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	42.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	54 °C
Poff	104 W
PTO	508 W
PSB	104 W
PCK	0 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	8.20 kW
Annual energy consumption Qhe	25834 kWh

Model: WSAN-YSi 35.2

Configure model	
Model name	WSAN-YSi 35.2
Application	Heating (low 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
Heat output	86.00 kW
El input	21.45 kW
COP	4.01

Cooling

EN 14511-2	
	+7°C/+12°C
El input	28.40 kW
Cooling capacity	79.80
EER	2.81

EN 14825	
	+7°C/+12°C
Pdesignc	79.80 kW
SEER	4.04
Pdc Tj = 35°C	79.80 kW
EER Tj = 35°C	2.81
Pdc Tj = 30°C	58.80 kW
EER Tj = 30°C	3.65
Cdc	0.900
Pdc Tj = 25°C	37.80 kW
EER Tj = 25°C	4.48
Cdc	0.900
Pdc Tj = 20°C	24.28 kW
EER Tj = 20°C	5.08
Cdc	0.900
Poff	104 W
PTO	293 W
PSB	104 W
PCK	0 W
Annual energy consumption Qce	11841 kWh

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	83 dB(A)

EN 14825	
	Low temperature
η_s	159 %
Prated	55.00 kW
SCOP	4.06
Tbiv	-7 °C
TOL	-15 °C
Pdh Tj = -7°C	48.43 kW
COP Tj = -7°C	2.68
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	29.76 kW
COP Tj = +2°C	4.16
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	26.16 kW
COP Tj = +7°C	5.00
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	31.82 kW

COP Tj = 12°C	6.84
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	48.30 kW
COP Tj = Tbiv	2.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	47.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	54 °C
Poff	104 W
PTO	540 W
PSB	104 W
PCK	0 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	7.80 kW
Annual energy consumption Qhe	27859 kWh

Model: WSAN-YSi 40.2

Configure model	
Model name	WSAN-YSi 40.2
Application	Heating (low 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
Heat output	96.10 kW
El input	25.63 kW
COP	3.75

Cooling

EN 14511-2	
	+7°C/+12°C
El input	37.72 kW
Cooling capacity	97.30
EER	2.65

EN 14825	
	+7°C/+12°C
Pdesignc	88.40 kW
SEER	3.94
Pdc Tj = 35°C	88.40 kW
EER Tj = 35°C	2.65
Pdc Tj = 30°C	65.10 kW
EER Tj = 30°C	3.55
Cdc	0.900
Pdc Tj = 25°C	42.80 kW
EER Tj = 25°C	4.46
Cdc	0.900
Pdc Tj = 20°C	23.30 kW
EER Tj = 20°C	4.79
Cdc	0.900
Poff	104 W
PTO	414 W
PSB	104 W
PCK	0 W
Annual energy consumption Qce	13478 kWh

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	83 dB(A)

EN 14825	
	Low temperature
η_s	159 %
Prated	56.00 kW
SCOP	4.04
Tbiv	-7 °C
TOL	-15 °C
Pdh Tj = -7°C	49.34 kW
COP Tj = -7°C	2.67
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	31.85 kW
COP Tj = +2°C	4.24
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	26.15 kW
COP Tj = +7°C	4.73
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	32.51 kW

COP Tj = 12°C	6.78
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	49.34 kW
COP Tj = Tbiv	2.67
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	53.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	54 °C
Poff	104 W
PTO	690 W
PSB	104 W
PCK	0 W
Supplementary Heater: Type of energy input	n/a
Supplementary Heater: PSUP	3.00 kW
Annual energy consumption Qhe	28523 kWh