

Subtype AEROTOP S15.2 / S15.2_2-part

Certificate Holder	ELCO GmbH
Address	Hohenzollernstrasse 31
ZIP	72379
City	Hechingen
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	AEROTOP S15.2 / S15.2_2-part
Registration number	011-1W0195
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.4 kg
Certification Date	17.12.2019

Model AEROTOP S15.2_2-part

Model name	AEROTOP S15.2_2-part
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
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 14511-4 | 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	9.56 kW	8.08 kW
EI input	1.85 kW	2.64 kW
COP	4.87	3.06

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	51 dB(A)	51 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	175 %	134 %
Prated	15.65 kW	15.03 kW
SCOP	4.45	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.84 kW	13.30 kW
COP Tj = -7°C	3.09	2.32
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	8.65 kW	8.47 kW
COP Tj = +2°C	4.17	3.28
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	5.78 kW	5.24 kW

COP Tj = +7°C	6.30	4.56
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	4.72 kW	4.86 kW
COP Tj = 12°C	7.55	5.93
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	13.84 kW	13.30 kW
COP Tj = Tbiv	3.09	2.32
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.51 kW	15.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °C
Poff	28 W	28 W
PTO	28 W	28 W
PSB	28 W	28 W
PCK	28 W	28 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.03 kW
Annual energy consumption Qhe	7259 kWh	9060 kWh

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