Subtype REHP 35	
Certificate Holder	Robur S.p.A.
Address	Via Parigi 4/6
ZIP	24040
City	Verdellino/Zingonia (BG)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	REHP 35
Registration number	ICIM-PDC-000271
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	6.5 kg
Certification Date	26.09.2024

Model REHP 35 Cold

Model name	REHP 35 Cold
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Colder Climate
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	35.42 kW	34.81 kW
El input	7.67 kW	11.16 kW
COP	4.62	3.12

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	190 %	149 %
Prated	38.25 kW	36.66 kW
SCOP	4.81	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	33.84 kW	32.43 kW
COP Tj = -7°C	3.22	2.41
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	20.60 kW	19.74 kW
COP Tj = +2°C	4.58	3.57
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	16.28 kW	16.45 kW
COP Tj = +7°C	6.59	5.22
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	14.09 kW	15.44 kW
COP Tj = 12°C	8.39	8.04
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	33.84 kW	32.43 kW
COP Tj = Tbiv	3.22	2.41

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	30.69 kW	29.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	24 W	24 W
PTO	31 W	31 W
PSB	24 W	24 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.00 kW	7.00 kW
Annual energy consumption Qhe	16421 kWh	20029 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	160 %	137 %
Prated	34.25 kW	33.77 kW
SCOP	4.08	3.50
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	20.73 kW	20.44 kW
COP Tj = -7°C	3.43	3.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	18.51 kW	18.57 kW
COP Tj = +2°C	4.94	4.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	16.32 kW	16.39 kW
COP Tj = +7°C	6.69	5.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	14.09 kW	15.37 kW
COP Tj = 12°C	8.39	8.56
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	27.94 kW	27.55 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	23.90 kW	21.97 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900

WTOL	55 °C	55 °C
Poff	24 W	24 W
PTO	31 W	31 W
PSB	24 W	24 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.00 kW	11.00 kW
Annual energy consumption Qhe	20701 kWh	23807 kWh
Pdh Tj = -15°C (if TOL	27.94	27.55
COP Tj = -15°C (if TOL	2.85	2.18
Cdh Tj = -15 °C	0.900	0.900

Model REHP 35	
Model name	REHP 35
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Colder Climate
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	34.80 kW	34.80 kW
El input	7.70 kW	11.41 kW
COP	4.50	3.05

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	198 %	149 %
Prated	32.59 kW	31.03 kW
SCOP	5.03	3.80
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	28.83 kW	27.45 kW
COP Tj = -7°C	3.28	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	17.55 kW	16.71 kW
COP Tj = +2°C	4.46	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	13.25 kW	13.03 kW
COP Tj = +7°C	8.08	6.00
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	12.03 kW	12.35 kW
COP Tj = 12°C	8.81	7.66
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	28.83 kW	27.45 kW
COP Tj = Tbiv	3.28	2.35

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.04 kW	26.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	24 W	24 W
PTO	31 W	31 W
PSB	24 W	24 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.20 kW	4.20 kW
Annual energy consumption Qhe	13393 kWh	16898 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	164 %	143 %
Prated	31.16 kW	28.21 kW
SCOP	4.17	3.65
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	18.86 kW	17.07 kW
COP Tj = -7°C	3.37	2.98
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	15.21 kW	15.06 kW
COP Tj = +2°C	5.02	4.66
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	13.39 kW	13.19 kW
COP Tj = +7°C	7.09	6.84
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	12.03 kW	12.40 kW
COP Tj = 12°C	7.81	8.14
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	25.42 kW	23.01 kW
COP Tj = Tbiv	3.09	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	21.77 kW	17.65 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.78
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900

WTOL	55 °C	55 °C
Poff	24 W	24 W
PTO	31 W	31 W
PSB	24 W	24 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.90 kW	9.90 kW
Annual energy consumption Qhe	18417 kWh	19045 kWh
Pdh Tj = -15°C (if TOL	25.42	23.01
COP Tj = -15°C (if TOL	3.09	2.13
Cdh Tj = -15 °C	0.900	0.900