

Subtype HYBRID REVOLUTION 30

Certificate Holder	Fonderie Sime S.p.A.
Address	Via Garbo, 27
ZIP	37045
City	Legnago (VR)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	HYBRID REVOLUTION 30
Registration number	ICIM-PDC-000244
Heat Pump Type	Hybrid Air/Water
Refrigerant	R290
Mass of Refrigerant	0.15 kg
Certification Date	25.03.2024
Testing basis	V12

Model HYBRID REVOLUTION 30

Model name	HYBRID REVOLUTION 30
Application	Heating (low 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	1x230V 50Hz
Off-peak product	n/a

Hybrid 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	2.01 kW	
El input	0.69 kW	
COP	2.93	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	130 %	
Prated	2.40 kW	
SCOP	3.32	
Tbiv	2 °C	
TOL	-7 °C	
Pdh Tj = -7°C	1.25 kW	
COP Tj = -7°C	2.47	
Cdh Tj = -7 °C	0.984	
Pdh Tj = +2°C	1.29 kW	
COP Tj = +2°C	2.77	
Cdh Tj = +2 °C	0.984	
Pdh Tj = +7°C	1.14 kW	
COP Tj = +7°C	5.62	

Cdh Tj = +7 °C	0.967
Pdh Tj = 12°C	0.72 kW
COP Tj = 12°C	5.73
Cdh Tj = +12 °C	0.942
Pdh Tj = Tbiv	5.59 kW
COP Tj = Tbiv	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.550
WTOL	50 °C
Poff	7 W
PTO	7 W
PSB	7 W
PCK	0 W
Supplementary Heater: Type of energy input	Gas
Supplementary Heater: PSUP	2.59 kW
Annual energy consumption Qhe	1 kWh