Subtype HYBEA 5

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	HYBEA 5
Registration number	012-C700244
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.88 kg
Certification Date	24.05.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model HYBEA 5 - 30	
Model name	HYBEA 5 - 30
Application	Heating (medium temp)
Units	Outdoor
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

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	4.00 kW	4.00 kW
El input	0.75 kW	1.33 kW
COP	5.34	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	132 %
Prated	4.70 kW	4.40 kW
SCOP	4.64	3.36
Tbiv	-7 °C	-7 °C
TOL	-7 °C	-7 °C
Pdh Tj = -7°C	4.20 kW	3.90 kW
COP Tj = -7°C	3.27	2.17
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.40 kW
COP Tj = +2°C	4.87	3.38
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.10 kW	2.00 kW
COP Tj = +7°C	6.56	4.69

Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.61	6.67
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	4.20 kW	3.90 kW
COP Tj = Tbiv	3.27	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.20 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.27	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.70 kW	4.40 kW
Annual energy consumption Qhe	2091 kWh	2704 kWh

Model HYBEA 5 - 35	
Model name	HYBEA 5 - 35
Application	Heating (medium temp)
Units	Outdoor
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

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	4.00 kW	4.00 kW
El input	0.75 kW	1.33 kW
COP	5.34	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	132 %
Prated	4.70 kW	4.40 kW
SCOP	4.64	3.36
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TOL	-7 °C	-7 °C
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WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.70 kW	4.40 kW
Annual energy consumption Qhe	2091 kWh	2704 kWh

Model HYBEA 5 Micro 30	
Model name	HYBEA 5 Micro 30
Application	Heating (medium temp)
Units	Outdoor
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

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
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EN 12102-1 | Average Climate		
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