Subtype Hysae Hybrid

Certificate Holder	Groupe Atlantic
Address	44 boulevard des Etats-Unis
ZIP	85000
City	La Roche Sur Yon
Country	FR
Certification Body	RISE CERT
Subtype title	Hysae Hybrid
Registration number	012-017
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.05 kg
Certification Date	20.12.2016

Model Hysae Hybrid 6012/28 VR	
Model name	Hysae Hybrid 6012/28 VR
Application	Heating (low temp)
Units	Indoor, 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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	2.96 kW	
El input	0.68 kW	
COP	4.34	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	
Sound power level outdoor	58 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	160 %	
Prated	4.00 kW	
SCOP	4.07	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	4.00 kW	
COP Tj = -7°C	2.60	
Pdh Tj = +2°C	2.30 kW	
COP Tj = +2°C	3.80	
Pdh Tj = +7°C	1.50 kW	
COP Tj = +7°C	6.10	
Pdh Tj = 12°C	1.70 kW	
COP Tj = 12°C	7.40	

Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	4.00 kW
COP Tj = Tbiv	2.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90
WTOL	50 °C
Poff	5 W
PTO	20 W
PSB	5 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.80 kW
Annual energy consumption Qhe	2233 kWh

Model Hysae Hybrid 6012/35	
Model name	Hysae Hybrid 6012/35
Application	Heating (low temp)
Units	Indoor, 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	

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	2.96 kW	
El input	0.68 kW	
COP	4.34	

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PCK	0 W
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Supplementary Heater: PSUP	0.80 kW
Annual energy consumption Qhe	2233 kWh