Subtype KYRIS NET R32 50

Certificate Holder	Ariston Thermo Group
Address	Viale Aristide Merloni 45
ZIP	I-60044
City	Fabriano (AN)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	KYRIS NET R32 50
Registration number	ICIM-PDC-000276
Heat Pump Type	Air/Air Single Split
Refrigerant	R32
Mass of Refrigerant	1.18 kg
Certification Date	29.08.2024
Testing basis	V14

Model KYRIS NET R32 50	
Model name	KYRIS NET R32 50
Application	Heating + Cooling
Units	n/a
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
Air/Air Single Split	
EN 14511-4 | Cooling	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed
EN 14511-2 | Heating	
	A7/A20
Heating capacity	5.57
El input	1.35 kW
COP	4.12
EN 14511-2 | Cooling	
	A35/A27
El input	1.26 kW
Cooling capacity	4.98
EER	3.95
EN 12102-1 | Cooling	
Sound power level indoor	59 dB(A)
Sound power level outdoor	65 dB(A)
EN 14825 | Cooling	
	Indoor dry(wet) bulb temperature 27(19)°C
Pdesignc	5.00 kW
SEER	8.50
Pdc Tj = 35°C	5.01 kW
EER Tj = 35°C	3.89
Cdc Tj = 35 °C	0.250
Pdc Tj = 30°C	3.49 kW
EER Tj = 30°C	6.21

Cdc Tj = 30 °C	0.250
Pdc Tj = 25°C	2.45 kW
EER Tj = 25°C	10.24
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	1.39 kW
EER Tj = 20°C	15.21
Cdc Tj = 20 °C	0.250
Poff	1 W
PTO	12 W
PSB	1 W
PCK	0 W
Annual energy consumption Qce	206 kWh

EN 14825 | Average Climate	
	Indoor dry bulb temperature: 20°C
Pdesignh	4.20 kW
SCOP	4.60
Tbiv	-7 °C
TOL	-15 °C
Pdh Tj = -7°C	3.72 kW
COP Tj = -7°C	2.97
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	2.40 kW
COP Tj = +2°C	4.52
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	1.51 kW
COP Tj = +7°C	6.11
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	1.28 kW
COP Tj = 12°C	7.26
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	3.72 kW
COP Tj = Tbiv	2.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.53 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	1 W
PTO	12 W
PSB	1 W
PCK	W
Backup Heater	0.48 kW
Annual energy consumption Qhe	1278 kWh