Subtype KITA LR PLUS R32

Certificate Holder	Templari S.p.A.
Address	Via C. Battisti, n° 169
ZIP	35031
City	Abano Terme (PD)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	KITA LR PLUS R32
Registration number	ICIM-PDC-000221
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	7.4 kg
Certification Date	02.11.2023

Model Unità esterna KITA-LR-PLUS, 3Ph, vers. MONOBLOCCO R-32

Model name	Unità esterna KITA-LR-PLUS, 3Ph, vers. MONOBLOCCO R-32
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	48.67 kW	44.97 kW
El input	10.63 kW	16.35 kW
COP	4.58	2.75

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	195 %	149 %
Prated	47.26 kW	44.10 kW
SCOP	4.95	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	41.81 kW	39.01 kW
COP Tj = -7°C	3.47	2.14
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	25.51 kW	23.73 kW
COP Tj = +2°C	4.38	3.55
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	17.54 kW	16.65 kW
COP Tj = +7°C	7.04	5.59
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	16.53 kW	15.64 kW
COP Tj = 12°C	10.42	8.79
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	41.81 kW	39.01 kW

COP Tj = Tbiv	3.47	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	39.02 kW	36.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.16	1.90
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	31 W	31 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.60 kW	7.60 kW
Annual energy consumption Qhe	19725 kWh	24010 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	180 %	134 %
Prated	42.15 kW	40.75 kW
SCOP	4.58	3.41
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	25.62 kW	24.58 kW
COP Tj = -7°C	4.24	2.85
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	19.67 kW	18.82 kW
COP Tj = +2°C	5.16	4.28
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	17.42 kW	16.60 kW
COP Tj = +7°C	7.29	6.43
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	16.53 kW	15.58 kW
COP Tj = 12°C	10.42	9.51
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	34.39 kW	33.24 kW
COP Tj = Tbiv	2.99	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	29.61 kW	27.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.55

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	12.50 kW	12.50 kW
Annual energy consumption Qhe	22765 kWh	29423 kWh
Pdh Tj = -15°C (if TOL	34.39	33.24
COP Tj = -15°C (if TOL	2.99	1.74
Cdh Tj = -15 °C	0.900	0.900