

Subtype KITA LR 35 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 35 R32
Registration number	ICIM-PDC-000220
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	6.5 kg
Certification Date	02.11.2023

Model Unità esterna KITA-LR-35-COLD, 3Ph, vers. MONOBLOCCO R-32

Model name	Unità esterna KITA-LR-35-COLD, 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 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
η_s	190 %	149 %
Prated	38.25 kW	36.66 kW
SCOP	4.81	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	33.84 kW	32.43 kW
COP Tj = -7°C	3.22	2.41
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	20.60 kW	19.74 kW
COP Tj = +2°C	4.58	3.57
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	16.28 kW	16.45 kW
COP Tj = +7°C	6.59	5.22
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	14.09 kW	15.44 kW
COP Tj = 12°C	8.39	8.04
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	33.84 kW	32.43 kW
COP Tj = Tbiv	3.22	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	30.69 kW	29.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.08
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	7.00 kW	7.00 kW
Annual energy consumption Qhe	16421 kWh	20029 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
η_s	160 %	137 %
Prated	34.25 kW	33.77 kW
SCOP	4.08	3.50
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	20.73 kW	20.44 kW
COP Tj = -7°C	3.43	3.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	18.51 kW	18.57 kW
COP Tj = +2°C	4.94	4.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	16.32 kW	16.39 kW
COP Tj = +7°C	6.69	5.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	14.09 kW	15.37 kW
COP Tj = 12°C	8.39	8.56
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	27.94 kW	27.55 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	23.90 kW	21.97 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	1.80
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	11.00 kW	11.00 kW
Annual energy consumption Q_{he}	20701 kWh	23807 kWh
$P_{dh} T_j = -15^{\circ}\text{C}$ (if TOL	27.94	27.55
COP $T_j = -15^{\circ}\text{C}$ (if TOL	2.85	2.18
$C_{dh} T_j = -15^{\circ}\text{C}$	0.900	0.900