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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	35.42 kW	34.81 kW
El input	7.67 kW	11.16 kW
COP	4.62	3.12

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	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
ηs	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 Qhe	20701 kWh	23807 kWh
Pdh Tj = -15°C (if TOL	27.94	27.55
COP Tj = -15°C (if TOL	2.85	2.18
Cdh Tj = -15 °C	0.900	0.900

Model Unità esterna KITA-LR-35, 3Ph, vers. MONOBLOCCO R-32	
Model name	Unità esterna KITA-LR-35, 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	34.80 kW	34.80 kW
El input	7.70 kW	11.41 kW
COP	4.50	3.05

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	198 %	149 %
Prated	32.59 kW	31.03 kW
SCOP	5.03	3.80
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	28.83 kW	27.45 kW
COP Tj = -7°C	3.28	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	17.55 kW	16.71 kW
COP Tj = +2°C	4.46	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	13.25 kW	13.03 kW
COP Tj = +7°C	8.08	6.00
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	12.03 kW	12.35 kW
COP Tj = 12°C	8.81	7.66
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	28.83 kW	27.45 kW
COP Tj = Tbiv	3.28	2.35

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.04 kW	26.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.02
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	4.20 kW	4.20 kW
Annual energy consumption Qhe	13393 kWh	16898 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	164 %	143 %
Prated	31.16 kW	28.21 kW
SCOP	4.17	3.65
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	18.86 kW	17.07 kW
COP Tj = -7°C	3.37	2.98
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	15.21 kW	15.06 kW
COP Tj = +2°C	5.02	4.66
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	13.39 kW	13.19 kW
COP Tj = +7°C	7.09	6.84
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	12.03 kW	12.40 kW
COP Tj = 12°C	7.81	8.14
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	25.42 kW	23.01 kW
COP Tj = Tbiv	3.09	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	21.77 kW	17.65 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.78
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	9.90 kW	9.90 kW
Annual energy consumption Qhe	18417 kWh	19045 kWh
Pdh Tj = -15°C (if TOL	25.42	23.01
COP Tj = -15°C (if TOL	3.09	2.13
Cdh Tj = -15 °C	0.900	0.900