

## Subtype ECL-PAC-10-12

Certificate Holder	ECL Nexus
Address	13, Boulevard Pereire
ZIP	75017
City	Paris
Country	FR
Certification Body	ICIM S.p.A.
Subtype title	ECL-PAC-10-12
Registration number	ICIM-PDC-000143
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.5 kg
Certification Date	20.05.2022
Testing basis	HP KEYMARK certification scheme rules rev. no. 7

## Model ECLPAC12X.ST ; ECLPAC12X.KA

Model name	ECLPAC12X.ST ; ECLPAC12X.KA
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
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
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	176 %	131 %
Prated	10.00 kW	10.00 kW
SCOP	4.47	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.90 kW	8.50 kW
COP Tj = -7°C	2.88	2.08
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.40 kW	5.20 kW
COP Tj = +2°C	4.31	3.35
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.30 kW	4.20 kW
COP Tj = +7°C	5.82	4.24
Cdh Tj = +7 °C	0.974	0.981
Pdh Tj = 12°C	4.90 kW	4.80 kW
COP Tj = 12°C	7.81	5.31
Cdh Tj = +12 °C	0.969	0.979
Pdh Tj = Tbiv	8.90 kW	8.50 kW
COP Tj = Tbiv	2.88	2.08

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.80 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.20 kW	1.30 kW
Annual energy consumption Qhe	4630 kWh	5941 kWh

## Model ECLPAC10X.ST ; ECLPAC10X.KA

Model name	ECLPAC10X.ST ; ECLPAC10X.KA
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
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
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	178 %	135 %
Prated	9.00 kW	9.00 kW
SCOP	4.53	3.45
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	8.30 kW	8.10 kW
COP Tj = -7°C	2.93	2.13
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.30 kW	5.20 kW
COP Tj = +2°C	4.32	3.41
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.20 kW	4.10 kW
COP Tj = +7°C	6.01	4.30
Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	4.90 kW	4.80 kW
COP Tj = 12°C	8.08	6.36
Cdh Tj = +12 °C	0.969	0.975
Pdh Tj = Tbiv	8.30 kW	8.10 kW
COP Tj = Tbiv	2.93	2.13

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.30 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	0.90 kW
Annual energy consumption Qhe	4293 kWh	5462 kWh

## Model ECLPAC10T.ST ; ECLPAC10T.KA

Model name	ECLPAC10T.ST ; ECLPAC10T.KA
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

## General data

Power supply	3x400V 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
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
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COP Tj = +2°C	4.32	3.41
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.20 kW	4.10 kW
COP Tj = +7°C	6.01	4.30
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PTO	22 W	22 W
PSB	19 W	19 W
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Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	0.90 kW
Annual energy consumption Qhe	4293 kWh	5462 kWh

## Model ECLPAC12T.ST ; ECLPAC12T.KA

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Any additional heat sources	n/a

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