Login

Summary of	ECL-PAC-16-18	Reg. No.	ICIM-PDC-000145
Certificate Holder			
Name	ECL Nexus		
Address	13, Boulevard Pereire	Zip	75017
City	Paris	Country	France
Certification Body	ICIM S.p.A.		
Subtype title	ECL-PAC-16-18		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4 kg		
Certification Date	20.05.2022		
Testing basis	HP KEYMARK certification scheme rules rev. no. 7		

Model: ECLPAC16X.ST ; ECLPAC16X.KA

Configure model	
Model name	ECLPAC16X.ST ; ECLPAC16X.KA
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.38 kW
Cooling capacity	13.80
EER	3.15

EN 14825

	+7°C/+12°C
Pdesignc	13.80 kW
SEER	4.80
Pdc Tj = 35°C	13.80 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	10.17 kW
EER Tj = 30°C	4.36
Cdc	1.0
Pdc Tj = 25°C	6.47 kW
EER Tj = 25°C	5.30
Cdc	1.0
Pdc Tj = 20°C	5.53 kW
EER Tj = 20°C	6.67
Cdc	1.0
Poff	19 W
PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	1726 kWh

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	16.30 kW	15.63 kW
El input	3.49 kW	5.18 kW
COP	4.67	3.02

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	177 %	126 %

Prated	14.00 kW	13.00 kW
SCOP	4.50	3.22
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.88	2.09
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.30 kW	6.90 kW
COP Tj = +2°C	4.33	3.06
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.70 kW	5.50 kW
COP Tj = +7°C	5.83	4.11
Cdh Tj = +7 °C	0.981	0.986
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	8.12	6.30
Cdh Tj = +12 °C	0.977	0.982
Pdh Tj = Tbiv	12.00 kW	11.50 kW
COP Tj = Tbiv	2.88	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
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	2.30 kW	1.50 kW
Annual energy consumption Qhe	6209 kWh	8357 kWh

Model: ECLPAC18T.ST ; ECLPAC18T.KA

Configure model	
Model name	ECLPAC18T.ST ; ECLPAC18T.KA
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.88 kW
Cooling capacity	15.04
EER	3.08

EN 14825

	+7°C/+12°C
Pdesignc	15.04 kW
SEER	5.05
Pdc Tj = 35°C	15.04 kW
EER Tj = 35°C	3.08
Pdc Tj = 30°C	10.96 kW
EER Tj = 30°C	4.38
Cdc	1.000
Pdc Tj = 25°C	7.06 kW
EER Tj = 25°C	5.52
Cdc	0.985
Pdc Tj = 20°C	5.54 kW
EER Tj = 20°C	6.80
Cdc	0.977
Poff	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	1788 kWh

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	17.90 kW	17.25 kW
El input	4.07 kW	5.99 kW
COP	4.40	2.88

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	131 %
Prated	15.00 kW	14.00 kW

SCOP	4.46	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	12.80 kW	12.50 kW
COP Tj = -7°C	2.83	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	7.80 kW	7.60 kW
COP Tj = +2°C	4.34	3.34
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.80 kW	5.70 kW
COP Tj = +7°C	5.67	4.14
Cdh Tj = +7 °C	0.981	0.990
Pdh Tj = 12°C	6.70 kW	6.60 kW
COP Tj = 12°C	7.94	6.15
Cdh Tj = +12 °C	0.977	0.980
Pdh Tj = Tbiv	12.80 kW	12.50 kW
COP Tj = Tbiv	2.83	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.80 kW	12.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.93
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	2.20 kW	1.40 kW
Annual energy consumption Qhe	6720 kWh	8659 kWh

Model: ECLPAC16T.ST ; ECLPAC16T.KA

Configure model	
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Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
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