

This information was generated by the HP KEYMARK database on 23 Jun 2022

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Summary of	ECL-PAC-10-12	Reg. No.	ICIM-PDC-000143
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-10-12		
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

Configure model	
Model name	ECLPAC12X.ST ; ECLPAC12X.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	2.79 kW
Cooling capacity	8.51
EER	3.05

EN 14825	

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	+7°C/+12°C
P _{designc}	8.51 kW
SEER	4.43
P _{dc} T _j = 35°C	8.51 kW
EER T _j = 35°C	3.05
P _{dc} T _j = 30°C	6.28 kW
EER T _j = 30°C	4.03
C _{dc}	1.000
P _{dc} T _j = 25°C	3.98 kW
EER T _j = 25°C	4.58
C _{dc}	0.978
P _{dc} T _j = 20°C	4.23 kW
EER T _j = 20°C	6.32
C _{dc}	0.972
P _{off}	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q _{ce}	1153 kWh

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	11.80 kW	11.37 kW
El input	2.73 kW	4.10 kW
COP	4.32	2.78

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	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	131 %
Prated	10.00 kW	10.00 kW

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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

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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 Q _{he}	4630 kWh	5941 kWh

Model: ECLPAC10X.ST ; ECLPAC10X.KA

Configure model	
Model name	ECLPAC10X.ST ; ECLPAC10X.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	2.39 kW
Cooling capacity	7.53
EER	3.15

EN 14825	

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	+7°C/+12°C
P _{designc}	7.53 kW
SEER	4.34
P _{dc} T _j = 35°C	7.53 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	5.49 kW
EER T _j = 30°C	3.92
C _{dc}	0.986
P _{dc} T _j = 25°C	3.56 kW
EER T _j = 25°C	4.46
C _{dc}	0.976
P _{dc} T _j = 20°C	4.35 kW
EER T _j = 20°C	6.36
C _{dc}	0.972
P _{off}	22 W
PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Q _{ce}	1040 kWh

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	10.10 kW	9.73 kW
El input	2.28 kW	3.50 kW
COP	4.43	2.78

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	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	178 %	135 %
Prated	9.00 kW	9.00 kW

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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

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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 Q _{he}	4293 kWh	5462 kWh

Model: ECLPAC10T.ST ; ECLPAC10T.KA

Configure model	
Model name	ECLPAC10T.ST ; ECLPAC10T.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	2.39 kW
Cooling capacity	7.53
EER	3.15

EN 14825	

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P _{designc}	7.53 kW
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Heating

EN 14511-2

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