

Mass of Refrigerant

Certification Date

Testing basis

3.8 kg

27.10.2020

Page 1 of 29

This information was generated by the HP KEYMARK database on 18 Mar 2022

<u>Login</u> DAIKIN ALTHERMA 3 M 11kW Summary of Reg. No. 011-1W0424 Certificate Holder Name DAIKIN Europe N.V. Address Zandvoordestraat 300 Zip B-8400 City Oostende Country Belgium DIN CERTCO Gesellschaft für Konformitätsbewertung mbH Certification Body Subtype title DAIKIN ALTHERMA 3 M 11kW Heat Pump Type Outdoor Air/Water Refrigerant R32

HP KEYMARK certification scheme rules rev. 7



Model: EBLA11D(3)V3

Configure model	
Model name	EBLA11D(3)V3
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

	General Data	
Power supply	1x230V 50Hz	

Warmer Climate

EN 14825	
Low temperature	Medium temperature
248 %	170 %
10.00 kW	10.00 kW
6.28	4.33
2 °C	2 °C
2 °C	2 °C
10.30 kW	9.80 kW
3.30	2.18
1.00	1.00
6.70 kW	6.20 kW
5.70	3.74
1.00	1.00
	Low temperature 248 % 10.00 kW 6.28 2 °C 2 °C 10.30 kW 3.30 1.00 6.70 kW 5.70

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





	<u> </u>	
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.30 kW	9.80 kW
COP Tj = Tbiv	3.30	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.18
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2128 kWh	3083 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

Heating





EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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}	186 %	132 %
Prated	10.00 kW	10.00 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This is in the image of the ima	SCOP	4.73	3.37
Pdh Tj = -7°C 9.20 kW 9.30 kW COP Tj = -7°C 1.00 Pdh Tj = +2°C 1.00 Pdh Tj = +2°C 4.37 3.25 Cdh Tj = +2°C 4.37 3.25 Cdh Tj = +7°C 4.60 kW 4.40 kW COP Tj = +7°C 4.60 kW 4.40 kW COP Tj = +7°C 6.74 4.81 Cdh Tj = +7°C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.10 kW 7.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL 5.50 kW 9.30 kW	Tbiv	-10 °C	-7 °C
COP Tj = -7°C 3.03 1.90 Cdh Tj = -7 °C 1.00 Pdh Tj = +2°C 5.50 kW 5.40 kW COP Tj = +2°C 4.37 3.25 Cdh Tj = +2 °C 1.00 1.00 Pdh Tj = +7°C 4.60 kW 4.40 kW COP Tj = +7°C 6.74 4.81 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 1.00 1.00 Pdh Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.010 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL	TOL	-10 °C	-10 °C
Cdh Tj = -7 °C 1.00 Pdh Tj = +2°C 5.50 kW 5.40 kW COP Tj = +2°C 4.37 3.25 Cdh Tj = +2 °C 1.00 1.00 Pdh Tj = +7°C 4.60 kW 4.40 kW COP Tj = +7°C 6.74 4.81 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = -7°C	9.20 kW	9.30 kW
Pdh Tj = +2°C 5.50 kW 5.40 kW COP Tj = +2°C 4.37 3.25 Cdh Tj = +2 °C 1.00 1.00 Pdh Tj = +7°C 4.60 kW 4.40 kW COP Tj = +7°C 6.74 4.81 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	$COPTj = -7^{\circ}C$	3.03	1.90
COP Tj = +2°C	Cdh Tj = -7 °C		1.00
Cdh Tj = +2 °C 1.00 1.00 Pdh Tj = +7 °C 4.60 kW 4.40 kW COP Tj = +7 °C 6.74 4.81 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = +2 °C 5.40 kW 5.30 kW COP Tj = 12 °C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL	Pdh Tj = +2°C	5.50 kW	5.40 kW
Pdh Tj = +7°C	COP Tj = +2°C	4.37	3.25
COP Tj = +7°C 6.74 4.81 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.10 kW 7.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL 35 °C 55 °C	Cdh Tj = +2 °C	1.00	1.00
Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7^{\circ}$ C	4.60 kW	4.40 kW
Pdh Tj = 12°C 5.40 kW 5.30 kW COP Tj = 12°C 8.54 6.41 Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	$COPTj = +7^{\circ}C$	6.74	4.81
COP Tj = 12°C	Cdh Tj = +7 °C	1.00	1.00
Cdh Tj = +12 °C 1.00 1.00 Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	5.40 kW	5.30 kW
Pdh Tj = Tbiv 10.10 kW 9.30 kW COP Tj = Tbiv 2.58 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	8.54	6.41
COP Tj = Tbiv $ 2.58 \qquad 1.90 $ Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh $ 10.10 \text{ kW} \qquad 7.60 \text{ kW} $ COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh $ 2.58 \qquad 1.64 $ WTOL $ 35 \text{ °C} \qquad 55 \text{ °C} $	Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL 35 °C 55 °C	Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.58 1.64 WTOL 35 °C 55 °C	COP Tj = Tbiv	2.58	1.90
WTOL 35 °C 55 °C	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	7.60 kW
	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.64
Poff 23 W 23 W	WTOL	35 °C	55 °C
	Poff	23 W	23 W



Page 6 of 29

This information was generated by the HP KEYMARK database on 18 Mar 2022

РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.40 kW
Annual energy consumption Qhe	4371 kWh	6134 kWh

Cooling

EN 14825





	+7°C/+12°C
Pdesignc	11.50 kW
SEER	5.79
Pdc Tj = 35°C	11.60 kW
EER Tj = 35°C	3.26
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.75
Cdc	1.0
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	6.91
Cdc	1.0
Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.45
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1190 kWh





EN 14511-2		
+7°C/+12°C		
El input	3.56 kW	
Cooling capacity	11.59	
EER	3.26	

Model: EBLA11D(3)W1

Configure model		
Model name EBLA11D(3)W1		
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 3x400V 50Hz		

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	248 %	170 %
Prated	10.00 kW	10.00 kW
SCOP	6.28	4.33
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.30 kW	9.80 kW
COP Tj = +2°C	3.30	2.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	6.70 kW	6.20 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





	<u> </u>	
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.30 kW	9.80 kW
COP Tj = Tbiv	3.30	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.18
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2128 kWh	3083 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	62 dB(A)	62 dB(A)	

Heating



EN 14511-2			
Low temperature Medium temperature			
Heat output	10.56 kW	10.64 kW	
El input	2.19 kW	3.62 kW	
СОР	4.83	2.94	

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}	186 %	132 %
Prated	10.00 kW	10.00 kW





		TR database on 10 Mai 2022
SCOP	4.73	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.30 kW
COP Tj = -7°C	3.03	1.90
Cdh Tj = -7 °C		1.00
Pdh Tj = +2°C	5.50 kW	5.40 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	4.60 kW	4.40 kW
$COPTj = +7^{\circ}C$	6.74	4.81
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = Tbiv	2.58	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.64
WTOL	35 °C	55 °C
Poff	23 W	23 W
		1



Page 13 of 29

This information was generated by the HP KEYMARK database on 18 Mar 2022

РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.40 kW
Annual energy consumption Qhe	4371 kWh	6134 kWh

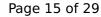
Cooling

1	
	EN 14825





This information was generated by the HP KETMARK database on 16 Mar 20		
	+7°C/+12°C	
Pdesignc	11.50 kW	
SEER	5.79	
Pdc Tj = 35°C	11.60 kW	
EER Tj = 35°C	3.26	
Pdc Tj = 30°C	8.80 kW	
EER Tj = 30°C	4.75	
Cdc	1.0	
Pdc Tj = 25°C	5.70 kW	
EER Tj = 25°C	6.91	
Cdc	1.0	
Pdc Tj = 20°C	5.80 kW	
EER Tj = 20°C	8.45	
Cdc	1.0	
Poff	23 W	
PTO	23 W	
PSB	23 W	
РСК	o w	
Annual energy consumption Qce	1190 kWh	





EN 14511-2		
+7°C/+12°C		
El input	3.56 kW	
Cooling capacity	11.59	
EER	3.26	

Model: EDLA11D(3)V3

Configure model		
Model name	EDLA11D(3)V3	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data	
Power supply	1x230V 50Hz

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	237 %	165 %
Prated	10.00 kW	10.00 kW
SCOP	5.99	4.19
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.30 kW	9.80 kW
COP Tj = +2°C	3.30	2.18
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	6.70 kW	6.20 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.00	1.00

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	5.20 kW	5.00 kW
,		
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.30 kW	9.80 kW
COP Tj = Tbiv	3.30	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.18
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2230 kWh	3184 kWh

EN 12102-1		
Low temperature Medium temperature		
Sound power level outdoor	62 dB(A)	62 dB(A)

Heating



EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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}	182 %	130 %
Prated	10.00 kW	10.00 kW





SCOP	4.64	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.30 kW
COP Tj = -7°C	3.03	1.90
Cdh Tj = -7 °C		1.00
Pdh Tj = +2°C	5.50 kW	5.40 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7$ °C	4.60 kW	4.40 kW
$COP Tj = +7^{\circ}C$	6.74	4.81
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = Tbiv	2.58	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.64
WTOL	35 °C	55 °C
Poff	23 W	23 W



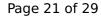
Page 20 of 29

This information was generated by the HP KEYMARK database on 18 Mar 2022

РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.40 kW
Annual energy consumption Qhe	4456 kWh	6281 kWh

Cooling

EN 14825
LN 14023





This information was generated by the HP KE	
	+7°C/+12°C
Pdesignc	11.50 kW
SEER	5.79
Pdc Tj = 35°C	11.60 kW
EER Tj = 35°C	3.26
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.75
Cdc	1.0
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	6.91
Cdc	1.0
Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.45
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1190 kWh





$$\operatorname{Page}\ 22$$ of 29 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 14511-2		
+7°C/+12°C		
El input	3.56 kW	
Cooling capacity	11.59	
EER	3.26	



Model: EDLA11D(3)W1

Configure model		
Model name	EDLA11D(3)W1	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Warmer Climate

EN 14825		
Low temperature		
237 %	165 %	
10.00 kW	10.00 kW	
5.99	4.19	
2 °C	2 °C	
2 °C	2 °C	
10.30 kW	9.80 kW	
3.30	2.18	
1.00	1.00	
6.70 kW	6.20 kW	
5.70	3.74	
1.00	1.00	
	Low temperature 237 % 10.00 kW 5.99 2 °C 2 °C 10.30 kW 3.30 1.00 6.70 kW 5.70	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

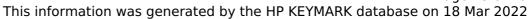




Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.30 kW	9.80 kW
COP Tj = Tbiv	3.30	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.18
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2230 kWh	3184 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

Heating





EN 14511-2		
Low temperature Medium temperature		
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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 1482	EN 14825	
	Low temperature	Medium temperature
η_{S}	182 %	130 %
Prated	10.00 kW	10.00 kW





SCOP	4.64	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.30 kW
COP Tj = -7°C	3.03	1.90
Cdh Tj = -7 °C		1.00
Pdh Tj = +2°C	5.50 kW	5.40 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7$ °C	4.60 kW	4.40 kW
$COP Tj = +7^{\circ}C$	6.74	4.81
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = Tbiv	2.58	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.64
WTOL	35 °C	55 °C
Poff	23 W	23 W



Page 27 of 29

This information was generated by the HP KEYMARK database on 18 Mar 2022

РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.40 kW
Annual energy consumption Qhe	4456 kWh	6281 kWh

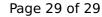
Cooling

EN 14825
EN 14023





This information was generated by the fire RE	This information was generated by the HP KEYMARK database on 18 Mar 2022	
	+7°C/+12°C	
Pdesignc	11.50 kW	
SEER	5.79	
Pdc Tj = 35°C	11.60 kW	
EER Tj = 35°C	3.26	
Pdc Tj = 30°C	8.80 kW	
EER Tj = 30°C	4.75	
Cdc	1.0	
Pdc Tj = 25°C	5.70 kW	
EER Tj = 25°C	6.91	
Cdc	1.0	
Pdc Tj = 20°C	5.80 kW	
EER Tj = 20°C	8.45	
Cdc	1.0	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1190 kWh	





EN 14511	EN 14511-2	
	+7°C/+12°C	
El input	3.56 kW	
Cooling capacity	11.59	
EER	3.26	