

Page 1 of 49

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

Login

Summary of	DAIKIN ALTHERMA 3 H HT 14kW (300L)	Reg. No.	011-1W0355
Certificate Holder			
Name DAIKIN Europe N.V.			
Address	Zandvoordestraat 300 Zip B-8400		B-8400
City	Oostende	Country	Belgium
Certification Body	Certification Body DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 H HT 14kW (300L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4.2 kg		



Model: EPRA14DV3 / ETSH16P30D

Configure model		
Model name	EPRA14DV3 / ETSH16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.69 kW	7.24 kW
El input	1.22 kW	2.41 kW
СОР	4.67	3.01

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

Cooling





EN 14511-2	
+7°C/+12°C	
El input	2.56 kW
Cooling capacity	6.90
EER	2.7

EN 14825





	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.99
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.98
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.98
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1038 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = $+2^{\circ}$ C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	5.7 kW	6.9 kW
$COP Tj = +7^{\circ}C$	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

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





Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149.0



Model: EPRA14DW1 / ETSH16P30D

Configure model		
Model name	EPRA14DW1 / ETSH16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93

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

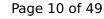
Cooling





EN 14511-2	
+7°C/+12°C	
El input	2.56 kW
Cooling capacity	6.90
EER	2.7

EN 14825





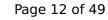
This information was generated by the Hill RE	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.98
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.97
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.97
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1069 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

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

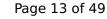




This information was genera	ted by the HP KEYMAI	RK database on 23 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149.0



Model: EPRA14DV3 / ETSHB16P30D

Configure model		
Model name	EPRA14DV3 / ETSHB16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

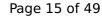
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.69 kW	7.24 kW
El input	1.22 kW	2.41 kW
СОР	4.67	3.01

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

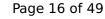
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	2.56 kW	
Cooling capacity	6.90	
EER	2.7	

EN 14825





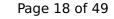
	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.99
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.98
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.98
Poff	21 W
PTO	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1038 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

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





This information was generated by the HP KEYMARK database on 23 Jun 202			
Pdh Tj = 12°C	6.0 kW	6.2 kW	
COP Tj = 12°C	7.40	5.72	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.1 kW	12.2 kW	
COP Tj = Tbiv	3.12	2.19	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	11.1 kW	12.2 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19	
WTOL	35 °C	55 °C	
Poff	21 W	21 W	
РТО	41 W	41 W	
PSB	21 W	21 W	
PCK	0 W	o w	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.4 kW	0.0 kW	

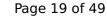
Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

5726 kWh

7211 kWh





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149.0	

Model: EPRA14DW1 / ETSHB16P30D

Configure model			
Model name	EPRA14DW1 / ETSHB16P30D		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

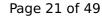
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.90 kW	7.24 kW	
El input	1.23 kW	2.47 kW	
СОР	4.79	2.93	

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

Cooling





EN 14511-2			
+7°C/+12°C			
El input	2.56 kW		
Cooling capacity	6.90		
EER	2.7		

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.98
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.97
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.97
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1069 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149.0	



Model: EPRA14DV3 / ETSX16P30D

Configure model		
Model name	EPRA14DV3 / ETSX16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.69 kW	7.24 kW
El input	1.22 kW	2.41 kW
СОР	4.67	3.01

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

Cooling

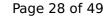




EN 14511-2			
+7°C/+12°C			
El input	2.56 kW		
Cooling capacity	6.90		
EER	2.7		

EN 14825

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



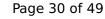


	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.99
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.98
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.98
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1038 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

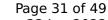
EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0





	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149.0



Model: EPRA14DW1 / ETSX16P30D

Configure model		
Model name EPRA14DW1 / ETSX16P30D		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

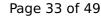
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93

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

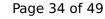
Cooling





EN 14511-2		
+7°C/+12°C		
El input	2.56 kW	
Cooling capacity	6.90	
EER	2.7	

EN 14825





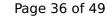
This information was generated by the Hill RE	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.98
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.97
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.97
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1069 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = $+2^{\circ}$ C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

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





Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149.0

Model: EPRA14DV3 / ETSXB16P30D

Configure model		
Model name	EPRA14DV3 / ETSXB16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.69 kW	7.24 kW	
El input	1.22 kW	2.41 kW	
СОР	4.67	3.01	

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

Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.56 kW
Cooling capacity	6.90
EER	2.7

EN 14825



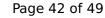


	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.99
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.98
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.98
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1038 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = $+2$ °C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0





		·
Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	
	<u> </u>
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149.0



Model: EPRA14DW1 / ETSXB16P30D

Configure model		
Model name	EPRA14DW1 / ETSXB16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.90 kW	7.24 kW	
El input	1.23 kW	2.47 kW	
СОР	4.79	2.93	

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

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	2.56 kW	
Cooling capacity	6.90	
EER	2.7	

EN 14825





	+7°C/+12°C
Pdesignc	6.9 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	0.98
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	0.97
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	0.97
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1069 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45.6 dB(A)	45.6 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149.0	