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Summary of	DAIKIN ALTHERMA 3 H MT F 08-12KW (300L)	Reg. No.	011-1W0501
Certificate Holder	Certificate Holder		
Name	DAIKIN Europe N.V.	DAIKIN Europe N.V.	
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 H MT F 08-12KW (300L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.25 kg		
Certification Date	24.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 9		

Model: EPRA08EV3 / ETSH(B)12P30E

Configure model		
Model name	EPRA08EV3 / ETSH(B)12P30E	
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	6.17 kW	7.72 kW
El input	1.25 kW	2.63 kW
СОР	4.92	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

Cooling





EN 14511-2	
+7°C/+12°C	
El input	2.15 kW
Cooling capacity	6.81
EER	3.17

EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.38
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.37
Cdc	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	725 kWh



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	134 %
Prated	8.3 kW	8.5 kW
SCOP	4.69	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2^{\circ}$ C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.6 kW
COP Tj = Tbiv	3.10	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.92 kW	6.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	1.93
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.54 kW
Annual energy consumption Qhe	3659 kWh	5142 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.75
Heating up time	2:29 h:min
Standby power input	38.1 W
Reference hot water temperature	47.2 °C
Mixed water at 40°C	194.0



Model: EPRA08EW1 / ETSH(B)12P30E

Configure model		
Model name	EPRA08EW1 / ETSH(B)12P30E	
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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
СОР	5.10	3.05

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

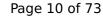
Cooling





EN 14511-2	
+7°C/+12°C	
El input	2.08 kW
Cooling capacity	6.81
EER	3.28

EN 14825



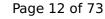


This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.41
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.28
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.52
Cdc	0.97
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc	0.91
Poff	31 W
РТО	0 W
PSB	31 W
PCK	o w
Annual energy consumption Qce	719 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

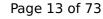
EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	138 %
Prated	8.3 kW	8.5 kW
SCOP	4.81	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	7.5 kW	7.6 kW
COP Tj = -7° C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.0 kW
COP Tj = +7°C	6.37	4.61
Cdh Tj = +7 °C	1.0	1.0





6.6 kW	3.7 kW
8.13	6.16
1.0	1.0
7.5 kW	7.6 kW
3.20	2.30
6.92 kW	6.96 kW
2.90	2.01
35 °C	55 °C
27 W	27 W
24 W	24 W
27 W	27 W
o w	o w
Electricity	Electricity
1.38 kW	1.54 kW
3561 kWh	4993 kWh
	8.13 1.0 7.5 kW 3.20 6.92 kW 2.90 35 °C 27 W 24 W 27 W 0 W Electricity 1.38 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.83	
Heating up time	2:29 h:min	
Standby power input	37.4 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA10EV3 / ETSH(B)12P30E

Configure model			
Model name	EPRA10EV3 / ETSH(B)12P30E		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

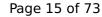
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.17 kW	7.72 kW	
El input	1.25 kW	2.63 kW	
СОР	4.92	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

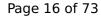
Cooling





EN 14511-2		
+7°C/+12°C		
El input	2.66 kW	
Cooling capacity	7.97	
EER	3.00	

EN 14825



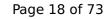


This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	7.5 kW
SEER	5.34
Pdc Tj = 35°C	7.97 kW
EER Tj = 35°C	3.00
Pdc Tj = 30°C	5.76 kW
EER Tj = 30°C	4.28
Cdc	0.98
Pdc Tj = 25°C	3.63 kW
EER Tj = 25°C	6.31
Cdc	0.95
Pdc Tj = 20°C	2.63 kW
EER Tj = 20°C	8.37
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	843 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

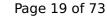
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	134 %
Prated	8.3 kW	8.5 kW
SCOP	4.71	3.43
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.77	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3637 kWh	5120 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	2:29 h:min	
Standby power input	38.1 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA10EW1 / ETSH(B)12P30E

Configure model		
Model name	EPRA10EW1 / ETSH(B)12P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

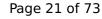
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
СОР	5.10	3.05

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





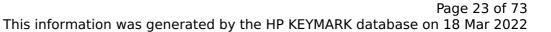
EN 14511-2	
	+7°C/+12°C
El input	2.57 kW
Cooling capacity	7.97
EER	3.10

EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	7.5 kW
SEER	5.41
Pdc Tj = 35°C	7.97 kW
EER Tj = 35°C	3.10
Pdc Tj = 30°C	5.76 kW
EER Tj = 30°C	4.43
Cdc	0.98
Pdc Tj = 25°C	3.63 kW
EER Tj = 25°C	6.47
Cdc	0.95
Pdc Tj = 20°C	2.63 kW
EER Tj = 20°C	8.35
Cdc	0.91
Poff	31 W
РТО	0 W
PSB	31 W
PCK	o w
Annual energy consumption Qce	831 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825				
Low temperature Medium temper				
η_{s}	191 %	138 %		
Prated	8.3 kW	8.5 kW		
SCOP	4.84	3.53		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	7.5 kW	7.6 kW		
COP Tj = -7°C	3.20	2.30		
Cdh Tj = -7 °C	1.0	1.0		
Pdh Tj = +2°C	4.4 kW	4.6 kW		
COP Tj = +2°C	4.93	3.50		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	4.3 kW	3.0 kW		
COP Tj = +7°C	6.37	4.61		
Cdh Tj = +7 °C	1.0	1.0		





Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	8.13	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.86	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.05
WTOL	35 °C	55 °C
Poff	27 W	27 W
РТО	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3539 kWh	4970 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.83	
Heating up time	2:29 h:min	
Standby power input	37.4 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA12EV3 / ETSH(B)12P30E

Configure model		
Model name EPRA12EV3 / ETSH(B)12P30E		
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	6.17 kW	7.72 kW	
El input	1.25 kW	2.63 kW	
СОР	4.92	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

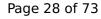
Cooling





EN 14511-2		
+7°C/+12°C		
El input	2.96 kW	
Cooling capacity	8.62	
EER	2.91	

EN 14825



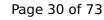


	+7°C/+12°C
Pdesignc	8.5 kW
SEER	5.31
Pdc Tj = 35°C	8.62 kW
EER Tj = 35°C	2.91
Pdc Tj = 30°C	6.68 kW
EER Tj = 30°C	4.17
Cdc	0.98
Pdc Tj = 25°C	4.04 kW
EER Tj = 25°C	6.13
Cdc	0.96
Pdc Tj = 20°C	2.69 kW
EER Tj = 20°C	8.75
Cdc	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	961 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

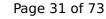
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	134 %
Prated	8.3 kW	8.5 kW
SCOP	4.71	3.43
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.77	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3637 kWh	5120 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	2:29 h:min	
Standby power input	38.1 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA12EW1 / ETSH(B)12P30E

Configure model		
Model name	EPRA12EW1 / ETSH(B)12P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

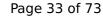
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
СОР	5.10	3.05

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

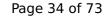
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	2.86 kW	
Cooling capacity	8.62	
EER	3.01	

EN 14825



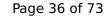


This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	8.5 kW
SEER	5.41
Pdc Tj = 35°C	8.62 kW
EER Tj = 35°C	3.01
Pdc Tj = 30°C	6.68 kW
EER Tj = 30°C	4.32
Cdc	0.98
Pdc Tj = 25°C	4.04 kW
EER Tj = 25°C	6.34
Cdc	0.96
Pdc Tj = 20°C	2.69 kW
EER Tj = 20°C	8.72
Cdc	0.91
Poff	31 W
РТО	0 W
PSB	31 W
PCK	o w
Annual energy consumption Qce	943 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

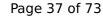
EN 14825		
	Low temperature	Medium temperature
η_{s}	191 %	138 %
Prated	8.3 kW	8.5 kW
SCOP	4.84	3.53
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.37	4.61
Cdh Tj = +7 °C	1.0	1.0





	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	8.13	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.86	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.05
WTOL	35 °C	55 °C
Poff	27 W	27 W
РТО	24 W	24 W
PSB	27 W	27 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3539 kWh	4970 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	119 %
СОР	2.83
Heating up time	2:29 h:min
Standby power input	37.4 W
Reference hot water temperature	47.2 °C
Mixed water at 40°C	194.0



Model: EPRA08EV3 / ETSX(B)12P30E

Configure model		
Model name	EPRA08EV3 / ETSX(B)12P30E	
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	6.17 kW	7.72 kW
El input	1.25 kW	2.63 kW
СОР	4.92	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

Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.15 kW
Cooling capacity	6.81
EER	3.17

EN 14825





This information was generated by the HP KE	+7°C/+12°C
	+7 C/+12 C
Pdesignc	6.5 kW
SEER	5.38
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.37
Cdc	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	136 %
Prated	8.3 kW	8.5 kW
SCOP	4.79	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0

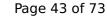
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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.6 kW
COP Tj = Tbiv	3.10	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.92 kW	6.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	1.93
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.54 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.75
Heating up time	2:29 h:min
Standby power input	38.1 W
Reference hot water temperature	47.2 °C
Mixed water at 40°C	194.0



Model: EPRA08EW1 / ETSX(B)12P30E

Configure model		
Model name	EPRA08EW1 / ETSX(B)12P30E	
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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
СОР	5.10	3.05

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	2.08 kW
Cooling capacity	6.81
EER	3.28

EN 14825





	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.41
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.28
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.52
Cdc	0.97
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc	0.91
Poff	31 W
PTO	o w
PSB	31 W
PCK	o w
Annual energy consumption Qce	719 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	195 %	141 %
Prated	8.3 kW	8.5 kW
SCOP	4.95	3.59
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.0 kW
COP Tj = +7°C	6.37	4.61
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	8.13	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.6 kW
COP Tj = Tbiv	3.20	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.92 kW	6.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.01
WTOL	35 °C	55 °C
Poff	27 W	27 W
РТО	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.54 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.83	
Heating up time	2:29 h:min	
Standby power input	37.4 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA10EV3 / ETSX(B)12P30E

Configure model		
Model name	EPRA10EV3 / ETSX(B)12P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

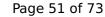
General Data			
Power supply 1x230V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.17 kW	7.72 kW
El input	1.25 kW	2.63 kW
СОР	4.92	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

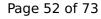
Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.66 kW
Cooling capacity	7.97
EER	3.00

EN 14825





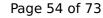
This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	7.5 kW
SEER	5.34
Pdc Tj = 35°C	7.97 kW
EER Tj = 35°C	3.00
Pdc Tj = 30°C	5.76 kW
EER Tj = 30°C	4.28
Cdc	0.98
Pdc Tj = 25°C	3.63 kW
EER Tj = 25°C	6.31
Cdc	0.95
Pdc Tj = 20°C	2.63 kW
EER Tj = 20°C	8.37
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	843 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	136 %
Prated	8.3 kW	8.5 kW
SCOP	4.82	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0

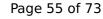
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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.77	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3560 kWh	5043 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile		
Deciared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	2:29 h:min	
Standby power input	38.1 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	

Model: EPRA10EW1 / ETSX(B)12P30E

Configure model		
Model name	EPRA10EW1 / ETSX(B)12P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

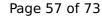
General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
СОР	5.10	3.05

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

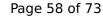
Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.57 kW
Cooling capacity	7.97
EER	3.10

EN 14825





	+7°C/+12°C
Pdesignc	7.5 kW
SEER	5.41
Pdc Tj = 35°C	7.97 kW
EER Tj = 35°C	3.10
Pdc Tj = 30°C	5.76 kW
EER Tj = 30°C	4.43
Cdc	0.98
Pdc Tj = 25°C	3.63 kW
EER Tj = 25°C	6.47
Cdc	0.95
Pdc Tj = 20°C	2.63 kW
EER Tj = 20°C	8.35
Cdc	0.91
Poff	31 W
РТО	o w
PSB	31 W
PCK	o w
Annual energy consumption Qce	831 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	141 %
Prated	8.3 kW	8.5 kW
SCOP	4.98	3.60
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.37	4.61
Cdh Tj = +7 °C	1.0	1.0

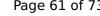
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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	8.13	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.86	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.05
WTOL	35 °C	55 °C
Poff	27 W	27 W
РТО	24 W	24 W
PSB	27 W	27 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3440 kWh	4871 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 61 of 73 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.83	
Heating up time	2:29 h:min	
Standby power input	37.4 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA12EV3 / ETSX(B)12P30E

Configure model		
Model name EPRA12EV3 / ETSX(B)12P30E		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

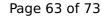
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.17 kW	7.72 kW	
El input	1.25 kW	2.63 kW	
СОР	4.92	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

Cooling





EN 14511-2		
+7°C/+12°C		
El input	2.96 kW	
Cooling capacity	8.62	
EER	2.91	

EN 14825





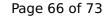
	+7°C/+12°C
Pdesignc	8.5 kW
SEER	5.31
Pdc Tj = 35°C	8.62 kW
EER Tj = 35°C	2.91
Pdc Tj = 30°C	6.68 kW
EER Tj = 30°C	4.17
Cdc	0.98
Pdc Tj = 25°C	4.04 kW
EER Tj = 25°C	6.13
Cdc	0.96
Pdc Tj = 20°C	2.69 kW
EER Tj = 20°C	8.75
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	961 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	47.3 dB(A)	47.3 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	136 %
Prated	8.3 kW	8.5 kW
SCOP	4.82	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0

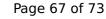
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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.77	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	24 W	24 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3560 kWh	5043 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile		
Deciared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	2:29 h:min	
Standby power input	38.1 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	



Model: EPRA12EW1 / ETSX(B)12P30E

Configure model		
Model name	EPRA12EW1 / ETSX(B)12P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

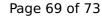
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.17 kW	7.72 kW	
El input	1.21 kW	2.53 kW	
СОР	5.10	3.05	

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	2.86 kW	
Cooling capacity	8.62	
EER	3.01	

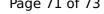
EN 14825

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This information was generated by the HP KETMARK database on 16 Mai		
	+7°C/+12°C	
Pdesignc	8.5 kW	
SEER	5.41	
Pdc Tj = 35°C	8.62 kW	
EER Tj = 35°C	3.01	
Pdc Tj = 30°C	6.68 kW	
EER Tj = 30°C	4.32	
Cdc	0.98	
Pdc Tj = 25°C	4.04 kW	
EER Tj = 25°C	6.34	
Cdc	0.96	
Pdc Tj = 20°C	2.69 kW	
EER Tj = 20°C	8.72	
Cdc	0.91	
Poff	31 W	
РТО	o w	
PSB	31 W	
РСК	o w	
Annual energy consumption Qce	943 kWh	

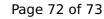




EN 12102-1 Low temperature **Medium temperature** Sound power level indoor 47.3 dB(A) 47.3 dB(A) Sound power level outdoor 53.0 dB(A) 53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	141 %
Prated	8.3 kW	8.5 kW
SCOP	4.98	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.37	4.61
Cdh Tj = +7 °C	1.0	1.0

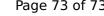
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Pdh Tj = 12°C	6.6 kW	3.7 kW
COP Tj = 12°C	8.13	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	8.1 kW	8.3 kW
COP Tj = Tbiv	2.86	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.14 kW	8.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.05
WTOL	35 °C	55 °C
Poff	27 W	27 W
РТО	24 W	24 W
PSB	27 W	27 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.0 kW	0.0 kW
Annual energy consumption Qhe	3440 kWh	4871 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.83	
Heating up time	2:29 h:min	
Standby power input	37.4 W	
Reference hot water temperature	47.2 °C	
Mixed water at 40°C	194.0	