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Login

Summary of	DAIKIN ALTHERMA 3 H MT F+W 08KW (180L)	Reg. No.	011-1W0506		
Certificate Holder	Certificate Holder				
Name	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+W 08KW (180L)				
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 / ETBH12E(6V/9W)

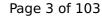
Configure model		
Model name	EPRA08EV3 / ETBH12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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





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	44.0 dB(A)	44.0 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	8.30 kW	8.50 kW
SCOP	4.69	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	7.50 kW	7.60 kW
COP Tj = -7 °C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	4.40 kW	4.60 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.30 kW	3.00 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	6.60 kW	3.70 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.50 kW	7.60 kW
COP Tj = Tbiv	3.10	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.00 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	1.40 kW	1.50 kW
Annual energy consumption Qhe	3659 kWh	5142 kWh



Model: EPRA08EV3 / ETBX12E(6V/9W)

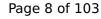
Configure model		
Model name	EPRA08EV3 / ETBX12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

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	

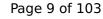
EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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

EN 14825





	+7°C/+12°C
Pdesignc	6.50 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	0.980
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.940
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.910
Poff	25 W
РТО	3 W
PSB	25 W
PCK	0 W
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	188 %	136 %
Prated	8.30 kW	8.50 kW
SCOP	4.79	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.60 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.40 kW	4.60 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.30 kW	3.00 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0



$$\operatorname{\textit{Page}}\ 11$ of 103$$ This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.60 kW	3.70 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.50 kW	7.60 kW
COP Tj = Tbiv	3.10	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.00 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	1.40 kW	1.50 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh



Model: EPRA08EV3 / ETVH12S18E(6V/9W)

Configure model		
Model name EPRA08EV3 / ETVH12S18E(6V/9W)		
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	

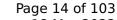
EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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

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El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	
EN 14825		
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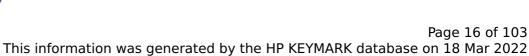


	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.38
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.37
Cdc	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

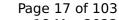
EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	134 %
Prated	8.3 kW	8.5 kW
SCOP	4.69	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2^{\circ}$ C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj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



This information was generated by the Hir KLIMAKK database on 10 Mar 2022			
6.6 kW	3.7 kW		
7.84	5.98		
1.0	1.0		
7.5 kW	7.6 kW		
3.10	2.21		
6.9 kW	7.0 kW		
2.80	1.93		
35 °C	55 °C		
21 W	21 W		
24 W	24 W		
21 W	21 W		
0 W	0 W		
Electricity	Electricity		
1.4 kW	1.5 kW		
3659 kWh	5142 kWh		
	6.6 kW 7.84 1.0 7.5 kW 3.10 6.9 kW 2.80 35 °C 21 W 24 W 21 W 0 W Electricity 1.4 kW		

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	2.72	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	51.7 W	



Model: EPRA08EV3 / ETVH12SU18E6V

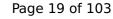
Configure model		
Model name	EPRA08EV3 / ETVH12SU18E6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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
COP	4 92	2 94

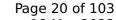
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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

EN 14825





	+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	0 W
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

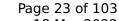
EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	134 %
Prated	8.3 kW	8.5 kW
SCOP	4.69	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2^{\circ}$ C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +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	6.9 kW	7.0 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	1.4 kW	1.5 kW
Annual energy consumption Qhe	3659 kWh	5142 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
СОР	2.72
Heating up time	1:57 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240
Standby power input	51.7 W



Model: EPRA08EV3 / ETVX12S18E(6V/9W)

Configure model		
Model name	EPRA08EV3 / ETVX12S18E(6V/9W)	
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





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

EN 14825



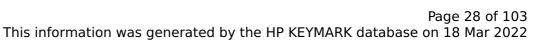


	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.38
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.37
Cdc	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

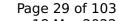
EN 14825		
	Low temperature	Medium temperature
η_{s}	188 %	136 %
Prated	8.3 kW	8.5 kW
SCOP	4.79	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0



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	6.9 kW	7.0 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
PTO	24 W	24 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	1.5 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	2.72	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	51.7 W	



Model: EPRA08EV3 / ETVZ12S18E(6V/9W)

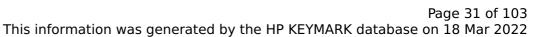
Configure model		
Model name	EPRA08EV3 / ETVZ12S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

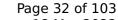
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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

EER	3.17
EN 148	25





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	44.0 dB(A)	44.0 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

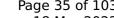


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This information was generated by the HP KEYMARK database on 18 Mar 2022

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	6.9 kW	7.0 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	1.4 kW	1.5 kW
Annual energy consumption Qhe	3659 kWh	5142 kWh

Domestic Hot Water (DHW)





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EN 16147				
Declared load profile	L			
Efficiency ηDHW	117 %			
СОР	2.72			
Heating up time	1:57 h:min			
Reference hot water temperature	52.5 °C			
Mixed water at 40°C	240			
Standby power input	51.7 W			



Model: EPRA08EW1 / ETBH12E(6V/9W)

Configure model			
Model name	EPRA08EW1 / ETBH12E(6V/9W)		
Application	Heating (medium 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	

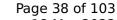
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	





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

	+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	44.0 dB(A)	44.0 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°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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This information was generated by the HP KEYMARK database on 18 Mar 2022

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	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3561 kWh	4993 kWh



Model: EPRA08EW1 / ETBX12E(6V/9W)

Configure model		
Model name	EPRA08EW1 / ETBX12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

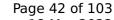
General Data		
Power supply	3x400V 50Hz	

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	

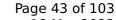
Cooling





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	44.0 dB(A)	44.0 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°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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This information was generated by the HP KEYMARK database on 18 Mar 2022

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	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh



Model: EPRA08EW1 / ETVH12S18E(6V/9W)

Configure model		
Model name	EPRA08EW1 / ETVH12S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

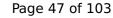
General Data		
Power supply 3x400V 50Hz		

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	

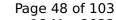
Cooling





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

EN 14825





	+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	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

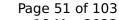
EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	138 %
Prated	8.3 kW	8.5 kW
SCOP	4.81	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 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	7.5 kW	7.6 kW
COP Tj = Tbiv	3.20	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3561 kWh	4993 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.80
Heating up time	1:57 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l
Standby power input	50.7 W



Model: EPRA08EW1 / ETVH12SU18E6V

Configure model		
Model name	EPRA08EW1 / ETVH12SU18E6V	
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		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

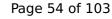
Cooling





EN 14511-2	
	+7°C/+12°C
El input	2.08 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	44.0 dB(A)	44.0 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°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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This information was generated by the HP KEYMARK database on 18 Mar 2022

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	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3561 kWh	4993 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.80
Heating up time	1:57 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240
Standby power input	50.7 W



Model: EPRA08EW1 / ETVX12S18E(6V/9W)

Configure model		
Model name	EPRA08EW1 / ETVX12S18E(6V/9W)	
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

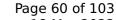
Cooling





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	6.50 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	0.970
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc	0.940
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc	0.910
Poff	31 W
РТО	o w
PSB	31 W
РСК	o w
Annual energy consumption Qce	719 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

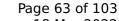
EN 14825		
	Low temperature	Medium temperature
η_{s}	195 %	141 %
Prated	8.3 kW	8.5 kW
SCOP	4.95	3.59
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3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



CEN heat pump KEYMARK
RETPARK

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	6.9 kW	7.0 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	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.80
Heating up time	1:57 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l
Standby power input	50.7 W



Model: EPRA08EW1 / ETVZ12S18E(6V/9W)

Configure model		
Model name	EPRA08EW1 / ETVZ12S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

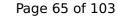
General Data		
Power supply	3x400V 50Hz	

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

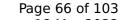
Cooling





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

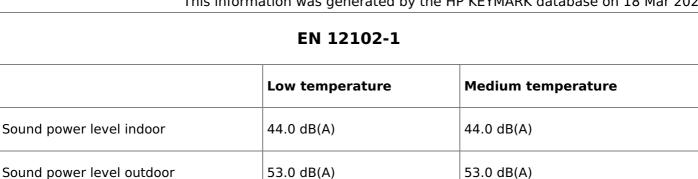
EN 14825





	+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	0 W
PSB	31 W
PCK	0 W
Annual energy consumption Qce	719 kWh





CEN heat pump

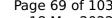
EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	138 %
Prated	8.3 kW	8.5 kW
SCOP	4.81	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.93	3.50
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 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	7.5 kW	7.6 kW
COP Tj = Tbiv	3.20	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3561 kWh	4993 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.80	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	50.7 W	



Model: EPRA08EV3 / ETBH12E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EV3 / ETBH12E(6V/9W) + cooling kit	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

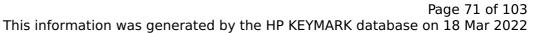
General Data		
Power supply	1x230V 50Hz	

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





	+7°C/+12°C
Pdesignc	6.50 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	0.980
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.940
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.910
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	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	188 %	136 %
Prated	8.30 kW	8.50 kW
SCOP	4.79	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.60 kW
$COP Tj = -7^{\circ}C$	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.40 kW	4.60 kW
$COP Tj = +2^{\circ}C$	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.30 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0



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

Pdh Tj = 12°C	6.60 kW	3.70 kW
COP Tj = 12°C	7.84	5.98
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.50 kW	7.60 kW
COP Tj = Tbiv	3.10	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.00 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	1.40 kW	1.50 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh

Model: EPRA08EV3 / ETVH12S18E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EV3 / ETVH12S18E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

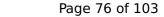
General Data		
Power supply	1x230V 50Hz	

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

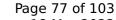
Cooling





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

EN 14825



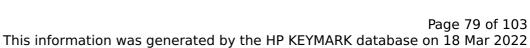


	+7°C/+12°C
Pdesignc	6.5 kW
SEER	5.38
Pdc Tj = 35°C	6.81 kW
EER Tj = 35°C	3.17
Pdc Tj = 30°C	5.00 kW
EER Tj = 30°C	4.37
Cdc	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8.00
Cdc	0.91
Poff	25 W
РТО	3 W
PSB	25 W
PCK	o w
Annual energy consumption Qce	725 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

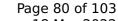
EN 14825		
	Low temperature	Medium temperature
η_{s}	188 %	136 %
Prated	8.3 kW	8.5 kW
SCOP	4.79	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.10	2.21
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	4.4 kW	4.6 kW
COP Tj = +2°C	4.76	3.37
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.3 kW	3.0 kW
COP Tj = +7°C	6.14	4.48
Cdh Tj = +7 °C	1.0	1.0



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	6.9 kW	7.0 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	1.4 kW	1.5 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	2.72	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	51.7 W	

Model: EPRA08EW1 / ETBH12E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EW1 / ETBH12E(6V/9W) + cooling kit	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

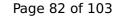
General Data		
Power supply	3x400V 50Hz	

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	

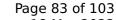
Cooling





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

EN 14825





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	44.0 dB(A)	44.0 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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This information was generated by the HP KEYMARK database on 18 Mar 2022

		1
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	6.9 kW	7.0 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	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh



Model: EPRA08EW1 / ETVH12S18E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EW1 / ETVH12S18E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

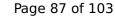
General Data		
Power supply	3x400V 50Hz	

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

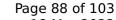
Cooling





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	6.50 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	0.970
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc	0.940
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc	0.910
Poff	31 W
РТО	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	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

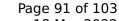
EN 14825			
	Low temperature	Medium temperature	
η_{s}	195 %	141 %	
Prated	8.3 kW	8.5 kW	
SCOP	4.95	3.59	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.5 kW	7.6 kW	
COP Tj = -7°C	3.20	2.30	
Cdh Tj = -7 °C	1.0	1.0	
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW	
COP Tj = +2°C	4.93	3.50	
Cdh Tj = +2 °C	1.0	1.0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





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	6.9 kW	7.0 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.80	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 l	
Standby power input	50.7 W	



Model: EPRA08EV3 / ETVZ12S18E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EV3 / ETVZ12S18E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

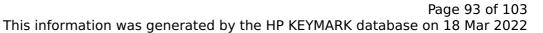
	General Data	
Power supply	1x230V 50Hz	

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

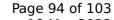
Cooling





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

	+7°C/+12°C	
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	
EN 14825		





	+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



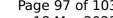
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{S}	188 %	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	



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	6.9 kW	7.0 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	1.4 kW	1.5 kW
Annual energy consumption Qhe	3582 kWh	5065 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	2.72	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	51.7 W	



Model: EPRA08EW1 / ETVZ12S18E(6V/9W) + cooling kit

Configure model		
Model name	EPRA08EW1 / ETVZ12S18E(6V/9W) + cooling kit	
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	6.50 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	0.970
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc	0.940
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc	0.910
Poff	31 W
РТО	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	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	53.0 dB(A)	53.0 dB(A)	

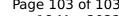
EN 14825			
	Low temperature	Medium temperature	
η_{s}	195 %	141 %	
Prated	8.3 kW	8.5 kW	
SCOP	4.95	3.59	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.5 kW	7.6 kW	
COP Tj = -7°C	3.20	2.30	
Cdh Tj = -7 °C	1.0	1.0	
Pdh Tj = $+2$ °C	4.4 kW	4.6 kW	
COP Tj = +2°C	4.93	3.50	
Cdh Tj = +2 °C	1.0	1.0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





		1
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	6.9 kW	7.0 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	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	1.5 kW
Annual energy consumption Qhe	3462 kWh	4894 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.80	
Heating up time	1:57 h:min	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	
Standby power input	50.7 W	