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Login

Summary of	DAIKIN ALTHERMA 3 H HT F 18KW (230L)	Reg. No.	011-1W0362
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 HT F 18KW (230L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4.2 kg		
Certification Date	07.02.2020		



Model: EPRA18DV3 / ETVH16S23E(6V/9W)

Configure model	
Model name	EPRA18DV3 / ETVH16S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

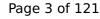
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5.00	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

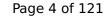
Cooling





EN 14511-2	
+7°C/+12°C	
El input	3.31 kW
Cooling capacity	8.86
EER	2.68

EN 14825





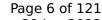
This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1000 kWh





	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
$COP Tj = +7^{\circ}C$	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
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	XL
Efficiency ηDHW	108 %
СОР	2.61
Heating up time	1:20 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298

Model: EPRA18DW1 / ETVH16S23E(6V/9W)

Configure model	
Model name	EPRA18DW1 / ETVH16S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

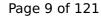
General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5.00	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

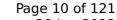
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	31 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1000 kWh



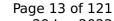
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

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	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
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	1.000	1.000
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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:20 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DV3 / ETVX16S23E(6V/9W)

Configure model		
Model name EPRA18DV3 / ETVX16S23E(6V/9W)		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

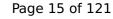
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5.00	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

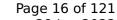
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





This information was generated by the fir Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1266 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
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

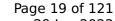


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This information was generated by the HP KEYMARK database on 29 Jun 2022

		·
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	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:20 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DW1 / ETVX16S23E(6V/9W)

Configure model			
Model name	EPRA18DW1 / ETVX16S23E(6V/9W)		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

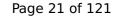
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5.00	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

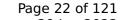
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.07
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1296 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	
Sound power level outdoor	54 dB(A)	54 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	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
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	XL
Efficiency ηDHW	107 %
СОР	2.55
Heating up time	1:20 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 I



Model: EPRA18DV3 / ETVZ16S23E(6V/9W)

Configure model			
Model name EPRA18DV3 / ETVZ16S23E(6V/9W)			
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

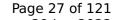
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5.00	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

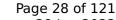
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825



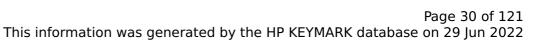


	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

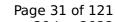
EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh 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



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Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
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)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:20 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DW1 / ETVZ16S23E(6V/9W)

Configure model		
Model name	EPRA18DW1 / ETVZ16S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

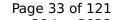
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5.00	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	3.31 kW		
Cooling capacity	8.86		
EER	2.68		

EN 14825

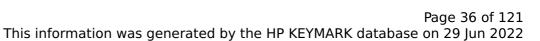




This information was generated by the fireke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	31 W
PSB	42 W
PCK	0 W
Annual energy consumption Qce	1000 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

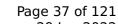
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh 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	1.000	1.000
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
PTO	33 W	33 W
PSB	42 W	42 W
PCK	o w	0 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)

CEN heat pump KEYMARK





EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	2.55
Heating up time	1:20 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298



Model: EPRA18DV3 / ETVH16S23E(6V/9W) + cooling kit

Configure model	
Model name	EPRA18DV3 / ETVH16S23E(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

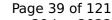
	General Data	
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5.00	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

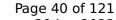
Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.31 kW
Cooling capacity	8.86
EER	2.68

EN 14825



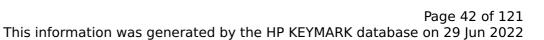


This information was generated by the fir Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1266 kWh



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
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 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
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	5649 kWh	7134 kWh

Domestic Hot Water (DHW)



$$\operatorname{Page}\ 43$$ of 121 This information was generated by the HP KEYMARK database on 29 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.61
Heating up time	1:20 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298



Model: EPRA18DW1 / ETVH16S23E(6V/9W) + cooling kit

Configure model	
Model name	EPRA18DW1 / ETVH16S23E(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

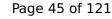
General Data			
Power supply 3x400V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5.00	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

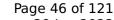
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
PTO	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1296 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

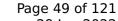
EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh 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	1.000	1.000
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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:20 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DV3 / ETVH16SU23E6V

Configure model		
Model name EPRA18DV3 / ETVH16SU23E6V		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

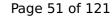
General Data			
Power supply 1x230V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5.00	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

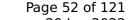
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





This information was generated by the HP KEYMARK database on 29 Jun 2022 +7°C/+12°C **Pdesignc** 8.8 kW **SEER** 4.17 $Pdc Tj = 35^{\circ}C$ 8.86 kW 2.68 EER Tj = 35°C $Pdc Tj = 30^{\circ}C$ 6.61 kW 3.72 EER Tj = 30°C Cdc Tj = 30 °C1 $Pdc Tj = 25^{\circ}C$ 5.12 kW 4.68 EER Tj = 25°C Cdc Tj = 25 °C1 $Pdc Tj = 20^{\circ}C$ 5.31 kW 5.81 EER Tj = 20°C Cdc Tj = 20 °C1 21 W

Average Climate

Annual energy consumption Qce

Poff

PTO

PSB

PCK

41 W

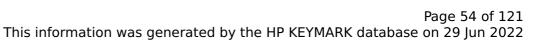
21 W

0 W

1000 kWh

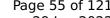
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

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	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
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



6 kW	6.2 kW
7.4	5.72
1.000	1.000
11.1 kW	12.2 kW
3.12	2.19
11.1 kW	12.2 kW
2.76	2.19
35 °C	55 °C
21 W	21 W
41 W	41 W
21 W	21 W
0 W	0 W
Electricity	Electricity
1.4 kW	0.0 kW
5726 kWh	7211 kWh
	7.4 1.000 11.1 kW 3.12 11.1 kW 2.76 35 °C 21 W 41 W 21 W 0 W Electricity 1.4 kW

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$ 55 of 121 This information was generated by the HP KEYMARK database on 29 Jun 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:20 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DW1 / ETVH16SU23E6V

Configure model		
Model name	EPRA18DW1 / ETVH16SU23E6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

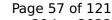
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	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

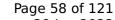
Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.31 kW
Cooling capacity	8.86
EER	2.68

EN 14825



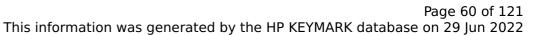


This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

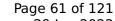
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh 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	1.000	1.000
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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:20 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DV37 / ETVH16S23E(6V/9W)7

Configure model			
Model name EPRA18DV37 / ETVH16S23E(6V/9W)7			
Application Heating + DHW + low temp			
Units Indoor + Outdoor			
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

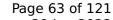
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5.00	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

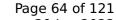
Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.31 kW		
Cooling capacity	8.86		
EER	2.68		

EN 14825



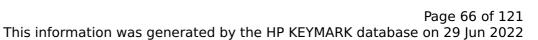


This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

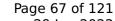
EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +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	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:19 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	



Model: EPRA18DW17 / ETVH16S23E(6V/9W)7

Configure model		
Model name	EPRA18DW17 / ETVH16S23E(6V/9W)7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
limate 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	9.00 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5.00	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

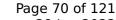
Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.31 kW		
Cooling capacity	8.86		
EER	2.68		

EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

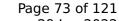
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +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	0 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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:19 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298 I	



Model: EPRA18DV37 / ETVH16SU23E6V7

Configure model			
Model name EPRA18DV37 / ETVH16SU23E6V7			
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

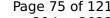
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5.00	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

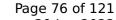




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EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825



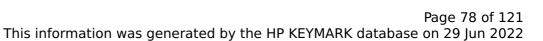


This information was generated by the fire RE	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

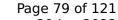
EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0



CEN heat pump KEYMARK

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	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:19 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	

Model: EPRA18DW17 / ETVH16SU23E6V7

Configure model		
Model name	EPRA18DW17 / ETVH16SU23E6V7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

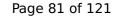
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5.00	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	

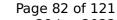
Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.31 kW		
Cooling capacity	8.86		
EER	2.68		

EN 14825





This information was generated by the fir Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

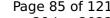
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = $+2^{\circ}$ C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.2 kW	6.5 kW
$COP Tj = +7^{\circ}C$	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)





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:19 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298 I	



Model: EPRA18DV37 / ETVX16S23E(6V/9W)7

Configure model			
Model name EPRA18DV37 / ETVX16S23E(6V/9W)7			
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

COP

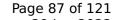
5.00

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.41 kW	

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

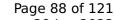
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825



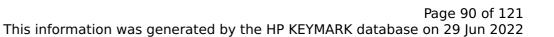


	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1296 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

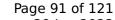
EN 14825			
	Low temperature	Medium temperature	
η_{s}	180 %	142 %	
Prated	12.5 kW	12.5 kW	
SCOP	4.57	3.62	
Tbiv	-7 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.1 kW	11.2 kW	
COP Tj = -7°C	3.12	2.47	
Cdh Tj = -7 °C	1.000	1.0	
Pdh Tj = $+2^{\circ}$ C	6.7 kW	6.9 kW	
COP Tj = +2°C	4.44	3.56	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = $+7^{\circ}$ C	5.7 kW	6.9 kW	
COP Tj = +7°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	o 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	XL	
Efficiency ηDHW	108 %	
СОР	2.61	
Heating up time	1:19 h:min	
Standby power input	49.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298	

Model: EPRA18DW17 / ETVX16S23E(6V/9W)7

Configure model			
Model name	EPRA18DW17 / ETVX16S23E(6V/9W)7		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

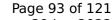
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5.00	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

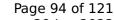
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.07
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1296 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

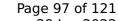
EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:19 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298 I	



Model: EPRA18DV37 / ETVZ16S23E(6V/9W)7

Configure model		
Model name	EPRA18DV37 / ETVZ16S23E(6V/9W)7	
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	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5.00	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	

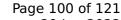
Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825



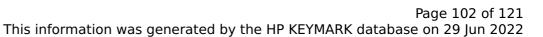


	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	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	5726 kWh	7211 kWh

Domestic Hot Water (DHW)



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EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298

Model: EPRA18DW17 / ETVZ16S23E(6V/9W)7

Configure model		
Model name	EPRA18DW17 / ETVZ16S23E(6V/9W)7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

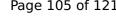
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5.00	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

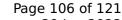




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EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1000 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

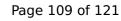
EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	10.7 kW	11.1 kW
COP Tj = -7 °C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = $+2$ °C	6.9 kW	6.7 kW
$COP Tj = +2^{\circ}C$	4.94	3.52
Cdh Tj = +2 °C	1.0	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





Ddb Ti = 12°C	5.6 kW	E 2 kW
Pdh Tj = 12°C	J.O KVV	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
PTO	33 W	33 W
PSB	42 W	42 W
PCK	o w	0 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	XL
Efficiency ηDHW	107 %
СОР	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 I



Model: EPRA18DV37 / ETVH16S23E(6V/9W)7 + cooling kit

Configure model		
Model name	EPRA18DV37 / ETVH16S23E(6V/9W)7 + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

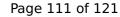
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5.00	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	3.31 kW
Cooling capacity	8.86
EER	2.68

EN 14825





This information was generated by the fir Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.17
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1296 kWh



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	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°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

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This information was generated by the HP KEYMARK database on 29 Jun 2022

	<u>, </u>	<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	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	5649 kWh	7134 kWh

Domestic Hot Water (DHW)



$$\operatorname{\textit{Page}}\ 115$$ of 121 This information was generated by the HP KEYMARK database on 29 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298



Model: EPRA18DW17 / ETVH16S23E(6V/9W)7 + cooling kit

Configure model	
Model name	EPRA18DW17 / ETVH16S23E(6V/9W)7 + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

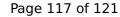
General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	9.00 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5.00	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

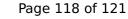
Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.31 kW
Cooling capacity	8.86
EER	2.68

EN 14825





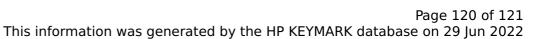
This information was generated by the Hill Ke	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.07
Pdc Tj = 35°C	8.86 kW
EER Tj = 35°C	2.68
Pdc Tj = 30°C	6.61 kW
EER Tj = 30°C	3.72
Cdc Tj = 30 °C	1
Pdc Tj = 25°C	5.12 kW
EER Tj = 25°C	4.68
Cdc Tj = 25 °C	1
Pdc Tj = 20°C	5.31 kW
EER Tj = 20°C	5.81
Cdc Tj = 20 °C	1
Poff	31 W
РТО	33 W
PSB	42 W
PCK	0 W
Annual energy consumption Qce	1296 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 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	1.000	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

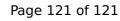
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Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	XL	
Efficiency ηDHW	107 %	
СОР	2.55	
Heating up time	1:19 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	298 I	