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

#### Login

Summary of	DAIKIN ALTHERMA 3 H HT W/F 18KW (180L)	Reg. No.	011-1W0361	
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 W/F 18KW (180L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	4.2 kg			
Certification Date	07.02.2020			

# Model: EPRA18DV3 / ETBH16E(6V/9W)

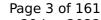
Configure model		
Model name	EPRA18DV3 / ETBH16E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5	3.01

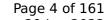
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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
РСК	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
$\eta_{s}$	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	1.000	1.000



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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



# Model: EPRA18DW1 / ETBH16E(6V/9W)

Configure model		
Model name	EPRA18DW1 / ETBH16E(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	9 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5	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

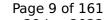




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EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

#### EN 14825





This information was generated by the HF KETMAKK database on 29 Juli 20		
	+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	
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
$\eta_{s}$	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	5.97	4.54
Cdh Tj = +7 °C	1.000	1.000



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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	1.000	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



# Model: EPRA18DV3 / ETBX16E(6V/9W)

Configure model		
Model name EPRA18DV3 / ETBX16E(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	9 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5	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





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





	+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
$\eta_{s}$	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	1.000	1.000



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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
РСК	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



# Model: EPRA18DW1 / ETBX16E(6V/9W)

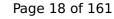
Configure model		
Model name	EPRA18DW1 / ETBX16E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5	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





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	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
$\eta_{s}$	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	1.000	1.000



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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	1.000	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



# Model: EPRA18DV3 / ETVH16S18E(6V/9W)

Configure model		
Model name	EPRA18DV3 / ETVH16S18E(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 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5	3.01

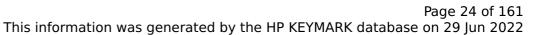
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





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
PCK	0 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)

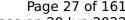
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000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



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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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:07 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240



# Model: EPRA18DW1 / ETVH16S18E(6V/9W)

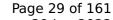
Configure model		
Model name	EPRA18DW1 / ETVH16S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 3x400V 50Hz			

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5	2.93	

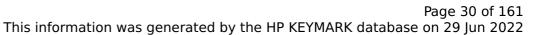
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test passed	
Starting and operating test passed	





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
PCK	o w
Annual energy consumption Qce	1296 kWh



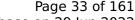
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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	1.000	1.000

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	<u>,                                      </u>	
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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:07 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	

# Model: EPRA18DV3 / ETVX16S18E(6V/9W)

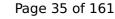
Configure model		
Model name EPRA18DV3 / ETVX16S18E(6V/9W)		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data			
Power supply 1x230V 50Hz			

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5	3.01	

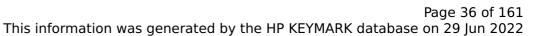
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	





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	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)

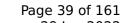
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000



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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	5649 kWh	7134 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:07 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# Model: EPRA18DW1 / ETVX16S18E(6V/9W)

Configure model		
Model name	EPRA18DW1 / ETVX16S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

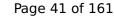
General Data		
Power supply 3x400V 50Hz		

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5	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	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)

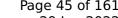
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000



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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	1.000	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)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:07 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240



# Model: EPRA18DV3 / ETVZ16S18E(6V/9W)

Configure model		
Model name	EPRA18DV3 / ETVZ16S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

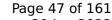
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5	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
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
$\eta_{s}$	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	1.000	1.000

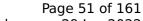


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### This information was generated by the HP KEYMARK database on 29 Jun 2022

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	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:07 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240



# Model: EPRA18DW1 / ETVZ16S18E(6V/9W)

Configure model		
Model name	EPRA18DW1 / ETVZ16S18E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

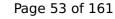
General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.47 kW	
СОР	5	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

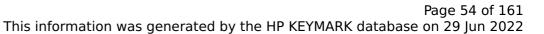
# Cooling





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
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
$\eta_{s}$	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	1.000	1.000

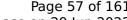


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### This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	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	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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:07 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# Model: EPRA18DV3 / ETVH16S18E(6V/9W) + cooling kit

Configure model		
Model name EPRA18DV3 / ETVH16S18E(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	

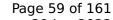
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	9 kW	7.24 kW	
El input	1.80 kW	2.41 kW	
СОР	5	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

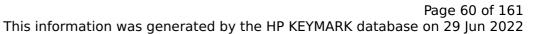
### Cooling





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	1266 kWh



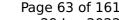
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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	1.000	1.000



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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:07 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 I	

# Model: EPRA18DW1 / ETVH16S18E(6V/9W) + cooling kit

Configure model			
Model name	EPRA18DW1 / ETVH16S18E(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		

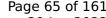
	General Data	
Power supply	3x400V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5	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

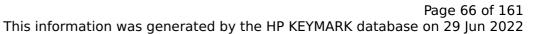




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EN 14511-2		
+7°C/+12°C		
El input	3.31 kW	
Cooling capacity	8.86	
EER	2.68	

### EN 14825





	+7°C/+12°C
Pdesignc	8.8 kW
SEER	4.07
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)

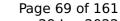
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
$COP Tj = +7^{\circ}C$	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000



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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	1.000	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	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:07 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



### **Model: EPRA18DV3 / ETVH16SU18E6V**

Configure model		
Model name	EPRA18DV3 / ETVH16SU18E6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

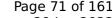
General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
СОР	5	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

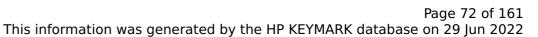




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EN 14511-2	
	+7°C/+12°C
El input	3.31 kW
Cooling capacity	8.86
EER	2.68

### EN 14825





	+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
PCK	0 W
Annual energy consumption Qce	1266 kWh



# EN 12102-1

LN 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)

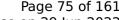
EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
$COP Tj = -7^{\circ}C$	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	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	1.000	1.000
	•	·



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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)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:07 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 I

# Model: EPRA18DW1 / ETVH16SU18E6V

Configure model		
Model name	EPRA18DW1 / ETVH16SU18E6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

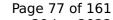
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
СОР	5	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

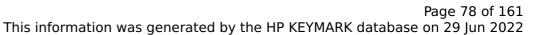
# Cooling





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
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)

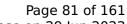
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000



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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	1.000	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	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	L
Efficiency ηDHW	106 %
СОР	2.51
Heating up time	1:07 h:min
Standby power input	42.9 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240

# Model: EPRA18DV37 / ETBH16E(6V/9W)7

Configure model		
Model name	EPRA18DV37 / ETBH16E(6V/9W)7	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

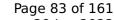
General Data		
Power supply	1x230V 50Hz	

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	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	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

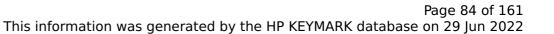
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	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	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
$\eta_{s}$	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	n/a	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

# Model: EPRA18DW17 / ETBH16E(6V/9W)7

Configure model		
Model name	EPRA18DW17 / ETBH16E(6V/9W)7	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

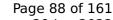
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	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	

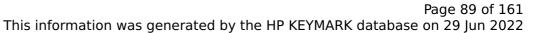
# Cooling





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	
$\eta_{S}$	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	n/a	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	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



# Model: EPRA18DV37 / ETBX16E(6V/9W)7

Configure model		
Model name	EPRA18DV37 / ETBX16E(6V/9W)7	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

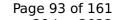
General Data		
Power supply	1x230V 50Hz	

# Heating

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

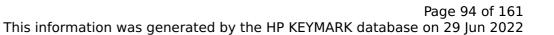
# Cooling





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
PTO	41 W
PSB	21 W
РСК	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
$\eta_{s}$	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	n/a	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



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		<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	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

# Model: EPRA18DW17 / ETBX16E(6V/9W)7

Configure model		
Model name	EPRA18DW17 / ETBX16E(6V/9W)7	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

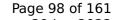
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	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
$\eta_{s}$	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	n/a	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
$COP Tj = +7^{\circ}C$	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



# **Model: EPRA18DV37 / ETVH16S18E(6V/9W)7**

Configure model		
Model name	EPRA18DV37 / ETVH16S18E(6V/9W)7	
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility No		
Cooling mode application (optional)	n/a	

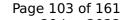
General Data		
Power supply	1x230V 50Hz	

# 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	

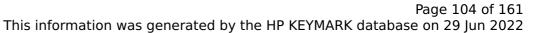
# Cooling





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 Hir 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	0 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
$\eta_{s}$	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	n/a	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

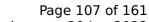


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#### This information was generated by the HP KEYMARK database on 29 Jun 2022

		·
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	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:06 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	

# Model: EPRA18DW17 / ETVH16S18E(6V/9W)7

Configure model			
Model name	EPRA18DW17 / ETVH16S18E(6V/9W)7		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

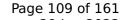
General Data		
Power supply	3x400V 50Hz	

# 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





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
PTO	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1296 kWh



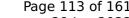
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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	n/a	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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This information was general		,
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	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:06 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# Model: EPRA18DV37 / ETVH16SU18E6V7

Configure model		
Model name	EPRA18DV37 / ETVH16SU18E6V7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

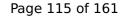
General Data		
Power supply	1x230V 50Hz	

## 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	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)

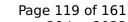
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj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



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

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:06 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240

# Model: EPRA18DW17 / ETVH16SU18E6V7

Configure model		
Model name EPRA18DW17 / ETVH16SU18E6V7		
Application	plication Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

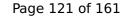
General Data		
Power supply	3x400V 50Hz	

## 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	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

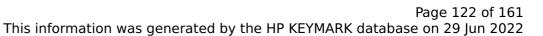
# Cooling





EN 14511-2		
+7°C/+12°C		
El input	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)

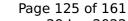
EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ 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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#### This information was generated by the HP KEYMARK database on 29 Jun 2022

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

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:06 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 I	



# **Model: EPRA18DV37 / ETVX16S18E(6V/9W)7**

Configure model		
Model name	EPRA18DV37 / ETVX16S18E(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	

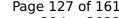
General Data		
Power supply	1x230V 50Hz	

## Heating

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





	+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
$\eta_{s}$	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	n/a	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
$COP Tj = +7^{\circ}C$	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0



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		,
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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:06 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	

# Model: EPRA18DW17 / ETVX16S18E(6V/9W)7

Configure model		
Model name EPRA18DW17 / ETVX16S18E(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	

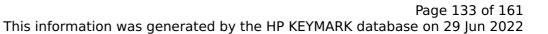
General Data		
Power supply	3x400V 50Hz	

## 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	

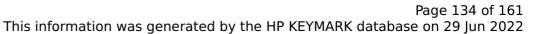
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.31 kW		
Cooling capacity	8.86		
550	2.50		

# 2.68 EER 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
$\eta_{s}$	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	n/a	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

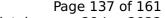


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#### This information was generated by the HP KEYMARK database on 29 Jun 2022

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

Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\xspace$ 137 of 161 This information was generated by the HP KEYMARK database on 29 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:06 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# **Model: EPRA18DV37 / ETVZ16S18E(6V/9W)7**

Configure model			
Model name EPRA18DV37 / ETVZ16S18E(6V/9W)7			
Application Heating + DHW + low temp			
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

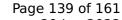
General Data		
Power supply	1x230V 50Hz	

## 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

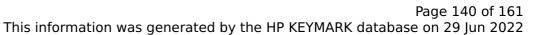
# Cooling





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	1266 kWh



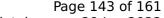
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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	n/a	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

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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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:06 h:min	
Standby power input	34.2 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# Model: EPRA18DW17 / ETVZ16S18E(6V/9W)7

Configure model			
Model name	EPRA18DW17 / ETVZ16S18E(6V/9W)7		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

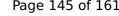
General Data		
Power supply	3x400V 50Hz	

## 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	4.07
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
$\eta_{s}$	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	n/a	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

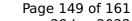


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#### This information was generated by the HP KEYMARK database on 29 Jun 2022

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

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:06 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	

# Model: EPRA18DV37 / ETVH16S18E(6V/9W)7 + cooling kit

Configure model		
Model name	EPRA18DV37 / ETVH16S18E(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	

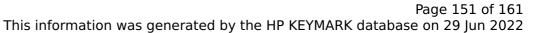
General Data		
Power supply	1x230V 50Hz	

# 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	

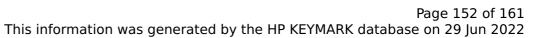
### Cooling





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

# EN 14825





	+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
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1266 kWh



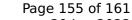
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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	n/a	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

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This wild material was generated by the thirteen that actualizes on 25 jun 2021				
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		
PTO	41 W	41 W		
PSB	21 W	21 W		
PCK	0 W	0 W		
Supplementary Heater: Type of energy input	Electricity	Electricity		
Supplementary Heater: PSUP	1.4 kW	0.0 kW		
Annual energy consumption Qhe	5649 kWh	7134 kWh		

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
СОР	2.62
Heating up time	1:06 h:min
Standby power input	34.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240



# Model: EPRA18DW17 / ETVH16S18E(6V/9W)7 + cooling kit

Configure model		
Model name	EPRA18DW17 / ETVH16S18E(6V/9W)7 + cooling kit	
Application	Heating + DHW + low temp	
Units	its Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

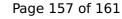
General Data		
Power supply	3x400V 50Hz	

# 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

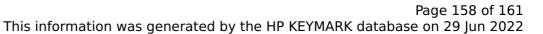
# Cooling





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)

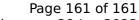
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ 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	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.51	
Heating up time	1:06 h:min	
Standby power input	42.9 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 I	