

This information was generated by the first ALT white database on 17 Dec 19			
Summary of	DAIKIN ALTHERMA 3 LT SPLIT 14KW (180L)	Reg. No.	011-1W0321
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		
Name of testing laboratory	Danish Technological Institute		
Subtype title	DAIKIN ALTHERMA 3 LT SPLIT 14KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.5 kg		
Certification Date	06.03.2019		



### **Model: EPGA14DV / EAVZ16S18D6V**

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

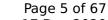
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5797 kWh	8669 kWh

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240



### **Model: EPGA14DV / EAVZ16S18D9W**

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

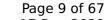
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5797 kWh	8669 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l



# Model: EPGA14DV / EAVH16S18D6V(G)

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

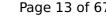
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



	CEN heat pump KEYMARK
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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5797 kWh	8669 kWh

Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\ 13$$ of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l



# Model: EPGA14DV / EAVH16S18D9W(G)

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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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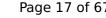
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



-	, database 511 17 Bee 202
5.30 kW	5.20 kW
8.12	5.94
0.94	0.95
12.50 kW	12.30 kW
2.53	2.17
12.50 kW	13.50 kW
2.53	2.10
35 °C	55 °C
21 W	21 W
41 W	41 W
21 W	21 W
0 W	o w
electrical	electrical
0.00 kW	0.50 kW
5797 kWh	8669 kWh
	8.12  0.94  12.50 kW  2.53  12.50 kW  2.53  35 °C  21 W  41 W  21 W  0 W  electrical  0.00 kW

### Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\ 17$$ of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.51	
Heating up time	0:57 h:min	
Standby power input	32.8 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 l	



# Model: EPGA14DV / EAVX16S18D6V(G)

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

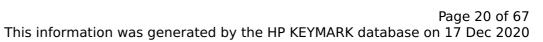
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\ 19$$  of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

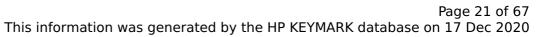
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



Pdh Tj = 12°C       5.30 kW       5.20 kW         COP Tj = 12°C       8.12       5.94         Cdh       0.94       0.95         Pdh Tj = Tbiv       12.50 kW       12.30 kW         COP Tj = Tbiv       2.53       2.17         Pdh Tj = TOL       12.50 kW       13.50 kW         COP Tj = TOL       2.53       2.10         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       electrical       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW         Annual energy consumption Qhe       5720 kWh       8592 kWh			
Cdh       0.94       0.95         Pdh Tj = Tbiv       12.50 kW       12.30 kW         COP Tj = Tbiv       2.53       2.17         Pdh Tj = TOL       12.50 kW       13.50 kW         COP Tj = TOL       2.53       2.10         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       electrical       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW	Pdh Tj = 12°C	5.30 kW	5.20 kW
Pdh Tj = Tbiv       12.50 kW       12.30 kW         COP Tj = Tbiv       2.53       2.17         Pdh Tj = TOL       12.50 kW       13.50 kW         COP Tj = TOL       2.53       2.10         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       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW	COP Tj = 12°C	8.12	5.94
COP Tj = Tbiv       2.53       2.17         Pdh Tj = TOL       12.50 kW       13.50 kW         COP Tj = TOL       2.53       2.10         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       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW	Cdh	0.94	0.95
Pdh Tj = TOL       12.50 kW       13.50 kW         COP Tj = TOL       2.53       2.10         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       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW	Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = TOL       2.53       2.10         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       electrical         Supplementary Heater: PSUP       0.00 kW       0.50 kW	COP Tj = Tbiv	2.53	2.17
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 electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	Pdh Tj = TOL	12.50 kW	13.50 kW
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 electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	COP Tj = TOL	2.53	2.10
PTO 41 W 41 W  PSB 21 W 21 W  PCK 0 W 0 W  Supplementary Heater: Type of energy input electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	WTOL	35 °C	55 °C
PSB 21 W 21 W  PCK 0 W 0 W  Supplementary Heater: Type of energy input electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	Poff	21 W	21 W
PCK 0 W 0 W  Supplementary Heater: Type of energy input electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	РТО	41 W	41 W
Supplementary Heater: Type of energy input electrical electrical  Supplementary Heater: PSUP 0.00 kW 0.50 kW	PSB	21 W	21 W
Supplementary Heater: PSUP 0.00 kW 0.50 kW	PCK	o w	o w
	Supplementary Heater: Type of energy input	electrical	electrical
Annual energy consumption Qhe 5720 kWh 8592 kWh	Supplementary Heater: PSUP	0.00 kW	0.50 kW
	Annual energy consumption Qhe	5720 kWh	8592 kWh

### Cooling

CEN heat pump KEYMARK





EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

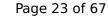
El input	3.97 kW		
Indoor water flow rate	0.68 m³/h		
Cooling capacity	11.89		
EER	2.99		
EN 14825			





This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.51	
Heating up time	0:57 h:min	
Standby power input	32.8 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



### **Model: EPGA14DV / EABH16D6V**

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



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		1
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5797 kWh	8669 kWh



### **Model: EPGA14DV / EABH16D9W**

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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



 $$\operatorname{\textit{Page}}\xspace$  28 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	130 %
Prated	13.00 kW	14.00 kW
SCOP	4.45	3.34
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



 $$\operatorname{\textit{Page}}\xspace$  29 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5797 kWh	8669 kWh



# Model: EPGA14DV / EAVX16S18D9W(G)

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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



 $$\operatorname{\textit{Page}}\ 31$$  of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



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This information was	generated by the HP K	EYMARK database on 17 Dec 202
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

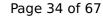
### Cooling



 $$\operatorname{\textit{Page}}\xspace$  33 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

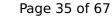
#### EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared lead profile		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.51	
Heating up time	0:57 h:min	
Standby power input	32.8 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240 I	



### **Model: EPGA14DV / EABX16D6V**

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

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



 $$\operatorname{\textit{Page}}\xspace$  37 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



 $$\operatorname{\textit{Page}}$  38 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

## Cooling



 $$\operatorname{\textit{Page}}\ 39$ of 67$$  This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

ΕN	148	<b>825</b>
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This information was generated by the Fir KE	
	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
PTO	41 W
PSB	21 W
РСК	o w
Annual energy consumption Qce	1429 kWh



## **Model: EPGA14DV / EABX16D9W**

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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



 $$\operatorname{\textit{Page}}\xspace$  42 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

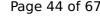
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

## Cooling

CEN heat pump KEYMARK

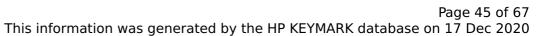




 $$\operatorname{\textit{Page}}$$  44 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2	
	+7°C/+12°C
El input	3.97 kW
Indoor water flow rate	0.68 m³/h
Cooling capacity	11.89
EER	2.99

### EN 14825





This information was generated by the Hir KE	
	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh

## Model: EPGA14DV / EABH16D6V + cooling kit

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

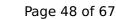
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\xspace$  47 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00





 $$\operatorname{\textit{Page}}$48$  of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

	,	
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

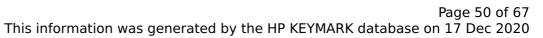
## Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.97 kW
Indoor water flow rate	0.68 m³/h
Cooling capacity	11.89
EER	2.99

### EN 14825





This information was generated by the HP KE	
	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
PTO	41 W
PSB	21 W
РСК	o w
Annual energy consumption Qce	1429 kWh



## Model: EPGA14DV / EABH16D9W + cooling kit

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.54 kW	15.84 kW
El input	2.91 kW	5.17 kW
СОР	4.99	3.06
Indoor water flow rate	2.50 m³/h	1.95 m³/h

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



 $$\operatorname{\textit{Page}}\xspace$  52 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

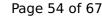
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



g	Therated by the fill RETT	
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

## Cooling





 $$\operatorname{\textit{Page}}\xspace$  54 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

### EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh



## Model: EPGA14DV / EAVH16S18D6V(G) + cooling kit

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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



 $$\operatorname{\textit{Page}}\xspace$  57 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00



## $$\operatorname{\textit{Page}}\xspace$ 58 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

## Cooling



EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

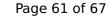
	+7°C/+12°C
El input	3.97 kW
Indoor water flow rate	0.68 m³/h
Cooling capacity	11.89
EER	2.99





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh

### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.51	
Heating up time	0:57 h:min	
Standby power input	32.8 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	240	



# Model: EPGA14DV / EAVH16S18D9W(G) + cooling kit

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.54 kW	15.84 kW	
El input	2.91 kW	5.17 kW	
СОР	4.99	3.06	
Indoor water flow rate	2.50 m³/h	1.95 m³/h	

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



 $$\operatorname{\textit{Page}}\xspace$  63 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	178 %	132 %
Prated	13.00 kW	14.00 kW
SCOP	4.51	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	12.30 kW
COP Tj = -7°C	2.85	2.17
Cdh	1.00	1.00
Pdh Tj = +2°C	7.00 kW	8.10 kW
COP Tj = +2°C	4.24	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	5.00 kW
COP Tj = +7°C	6.24	4.46
Cdh	1.00	1.00

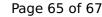




 $$\operatorname{\textit{Page}}\xspace$  64 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	5.94
Cdh	0.94	0.95
Pdh Tj = Tbiv	12.50 kW	12.30 kW
COP Tj = Tbiv	2.53	2.17
Pdh Tj = TOL	12.50 kW	13.50 kW
COP Tj = TOL	2.53	2.10
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	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.50 kW
Annual energy consumption Qhe	5720 kWh	8592 kWh

## Cooling





 $$\operatorname{\textit{Page}}\xspace$  65 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2		
	+7°C/+12°C	
El input	3.97 kW	
Indoor water flow rate	0.68 m³/h	
Cooling capacity	11.89	
EER	2.99	

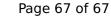
### EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	12 kW
SEER	5.04
Pdc Tj = 35°C	11.89 kW
EER Tj = 35°C	2.99
Pdc Tj = 30°C	8.79 kW
EER Tj = 30°C	4.15
Cdc	1
Pdc Tj = 25°C	5.56 kW
EER Tj = 25°C	6.19
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1429 kWh

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240