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Summary of	DAIKIN ALTHERMA 3 LT SPLIT 11KW (180L)	Reg. No.	011-1W0319
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 11KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.5 kg		
Certification Date	06.03.2019		



Model: EPGA11DV / EAVX16S18D6V(G)

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.30 kW
Indoor water flow rate	0.57 m³/h
Cooling capacity	10.66
EER	3.23

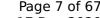
EN 14825





	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	o w
Annual energy consumption Qce	1260 kWh

Domestic Hot Water (DHW)





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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: EPGA11DV / EAVX16S18D9W(G)

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



$$\operatorname{\textit{Page}}\ 10$$ 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	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling



Page 11 of 67

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2	
	+7°C/+12°C
El input	3.30 kW
Indoor water flow rate	0.57 m³/h
Cooling capacity	10.66
EER	3.23

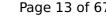
EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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
РСК	o w
Annual energy consumption Qce	1260 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



Model: EPGA11DV / EABX16D6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 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



 $$\operatorname{\textit{Page}}\ 15$$ 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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



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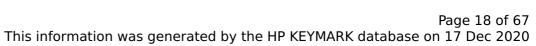
	Terated by the fire RETIT	
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling



EN 14511-2		
	+7°C/+12°C	
El input	3.30 kW	
Indoor water flow rate	0.57 m³/h	
Cooling capacity	10.66	
EER	3.23	

	+7°C/+12°C	
El input	3.30 kW	
Indoor water flow rate	0.57 m³/h	
Cooling capacity	10.66	
EER	3.23	
EN 14825		





	TMARK database on 17 Dec 2020
	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	o w
Annual energy consumption Qce	1260 kWh



Model: EPGA11DV / EABX16D9W

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



This information was generated by the Hir KETMAKK database on 17 Dec 2020			
Pdh Tj = 12°C	5.30 kW	5.20 kW	
COP Tj = 12°C	7.88	5.75	
Cdh	0.95	0.95	
Pdh Tj = Tbiv	11.00 kW	12.50 kW	
COP Tj = Tbiv	2.80	2.11	
Pdh Tj = TOL	11.00 kW	12.50 kW	
COP Tj = TOL	2.80	2.11	
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	0.00 kW	
Annual energy consumption Qhe	5112 kWh	7768 kWh	

Cooling

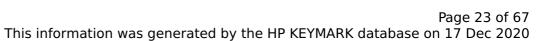




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EN 14511-2		
	+7°C/+12°C	
El input	3.30 kW	
Indoor water flow rate	0.57 m³/h	
Cooling capacity	10.66	
EER	3.23	

EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	o w
Annual energy consumption Qce	1260 kWh



Model: EPGA11DV / EABH16D6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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$ 25 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
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



 $$\operatorname{\textit{Page}}\xspace$ 26 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	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

Model: EPGA11DV / EAVH16S18D6V(G)

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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: EPGA11DV / EAVZ16S18D6V

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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	



 $$\operatorname{\textit{Page}}\ 32$$ of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

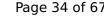
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\ 34\ \text{of}\ 67$$ 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	



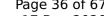
Model: EPGA11DV / EAVZ16S18D9W

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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	





 $$\operatorname{\textit{Page}}\ 36$$ of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

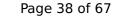
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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: EPGA11DV / EAVH16S18D9W(G)

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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$ 40 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)

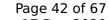
EN 14825		
	Low temperature	Medium temperature
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



D.H. T' 120C	F 20 LW	5 20 LW
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





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: EPGA11DV / EABH16D9W

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 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	



 $$\operatorname{\textit{Page}}$$ 44 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
η_{s}	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



$$\operatorname{\textit{Page}}$$ 45 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	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

Model: EPGA11DV / EABH16D6V + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 m³/h	1.95 m³/h

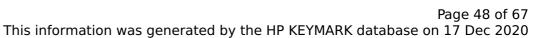
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

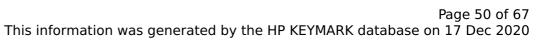
Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.30 kW
Indoor water flow rate	0.57 m³/h
Cooling capacity	10.66
EER	3.23

EN 14825





	TMARK database on 17 Dec 2020
	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	o w
Annual energy consumption Qce	1260 kWh

Model: EPGA11DV / EABH16D9W + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 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

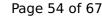
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling





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EN 14511-2	
	+7°C/+12°C
El input	3.30 kW
Indoor water flow rate	0.57 m³/h
Cooling capacity	10.66
EER	3.23

EN 14825



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	TMARK database on 17 Dec 2020
	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	o w
Annual energy consumption Qce	1260 kWh



Model: EPGA11DV / EAVH16S18D6V(G) + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
СОР	5.15	3.06
Indoor water flow rate	1.91 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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96



$$\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	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling



Inis information was generated by the HP KEYMARK database on 17 Dec 202	
EN 14511-2	
	+7°C/+12°C
El input	3.30 kW
Indoor water flow rate	0.57 m³/h
Cooling capacity	10.66
FFD	2.22

CEN heat pump KEYMARK

	+7°C/+12°C	
El input	3.30 kW	
Indoor water flow rate	0.57 m³/h	
Cooling capacity	10.66	
EER	3.23	

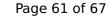
EN 14825





This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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
РСК	o w
Annual energy consumption Qce	1260 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: EPGA11DV / EAVH16S18D9W(G) + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.10 kW	15.84 kW	
El input	2.16 kW	5.17 kW	
СОР	5.15	3.06	
Indoor water flow rate	1.91 m³/h	1.95 m³/h	

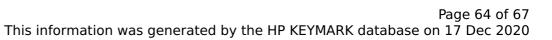
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



 $$\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
η_{s}	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
Cdh	0.96	0.96





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	7.88	5.75
Cdh	0.95	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL	11.00 kW	12.50 kW
COP Tj = TOL	2.80	2.11
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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

Cooling





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EN 14511-2		
	+7°C/+12°C	
El input	3.30 kW	
Indoor water flow rate	0.57 m³/h	
Cooling capacity	10.66	
EER	3.23	

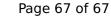
EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	10.7 kW
SEER	5.1
Pdc Tj = 35°C	10.66 kW
EER Tj = 35°C	3.23
Pdc Tj = 30°C	7.87 kW
EER Tj = 30°C	4.32
Cdc	1
Pdc Tj = 25°C	5.16 kW
EER Tj = 25°C	6.16
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	1260 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