

This intermediate was generated by the first that dutas as contributed by			
Summary of	DAIKIN ALTHERMA 3 LT SPLIT 16KW (180L)	Reg. No.	011-1W0323
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 16KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.5 kg		
Certification Date	06.03.2019		



Model: EPGA16DV / EAVZ16S18D6V

General Data	
Power supply	1x230V 50Hz

Heating

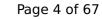
EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h

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	66 dB(A)	66 dB(A)

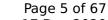
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 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: EPGA16DV / EAVZ16S18D9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

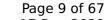
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 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: EPGA16DV / EAVH16S18D6V(G)

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h

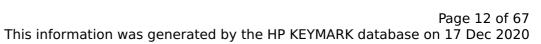
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



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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	66 dB(A)	66 dB(A)

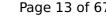
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





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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 l



Model: EPGA16DV / EAVH16S18D9W(G)

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

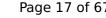


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This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 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 l



Model: EPGA16DV / EAVX16S18D6V(G)

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h

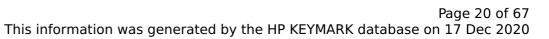
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



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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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

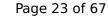
EN 14825





This information was generated by the Fill KE	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 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: EPGA16DV / EAVX16S18D9W(G)

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h

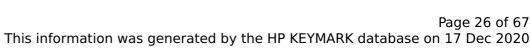
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



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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	66 dB(A)	66 dB(A)

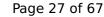
EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

CEN heat pump KEYMARK

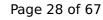




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EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

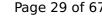
EN 14825





	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 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 l



Model: EPGA16DV / EABX16D6V

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 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	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825





This information was generated by the HP	
	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 kWh



Model: EPGA16DV / EABX16D9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



$$\operatorname{\textit{Page}}\xspace$ 37 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	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling



Page 38 of 67

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

EN 14511-2		
	+7°C/+12°C	
El input	4.93 kW	
Indoor water flow rate	0.85 m³/h	
Cooling capacity	13.48	
EER	2.74	

EN 14825



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

This information was generated by the HP KEYMARK database on 17 Dec 202		
	+7°C/+12°C	
Pdesignc	13.5 kW	
SEER	4.95	
Pdc Tj = 35°C	13.48 kW	
EER Tj = 35°C	2.74	
Pdc Tj = 30°C	9.47 kW	
EER Tj = 30°C	4.01	
Cdc	1	
Pdc Tj = 25°C	6.18 kW	
EER Tj = 25°C	6.12	
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	0 W	
Annual energy consumption Qce	1636 kWh	



Model: EPGA16DV / EABH16D6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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$ 41 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



$$\operatorname{\textit{Page}}\xspace$ 42 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	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh



Model: EPGA16DV / EABH16D9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



$$\operatorname{\textit{Page}}$$ 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	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh



Model: EPGA16DV / EABH16D6V + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h

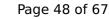
EN 14511-4	
Shutting off the heat transfer medium flow	nassod
Shutting on the heat transfer medium now	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825





This information was generated by the HP KEYMARK database on 17 Dec 20	
	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	o w
Annual energy consumption Qce	1636 kWh



Model: EPGA16DV / EABH16D9W + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

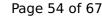
EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00



$$\operatorname{\textit{Page}}\xspace$ 53 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	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

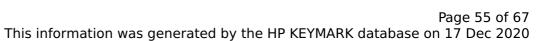




 $$\operatorname{\textit{Page}}\xspace$ 54 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 kWh



Model: EPGA16DV / EAVH16S18D6V(G) + cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

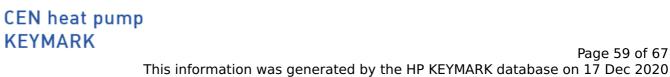
EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	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	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling



EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

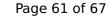
		EN 14825





	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 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: EPGA16DV / EAVH16S18D9W(G) + cooling kit

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 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	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

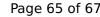




$$\operatorname{\textit{Page}}\xspace$ 64 of 67 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
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	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 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	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

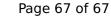
EN 14825





This information was generated by the Fir KE	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
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	1636 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