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#### This information was generated by the HP KEYMARK database on 23 Jun 2022

#### **Login**

Summary of	DAIKIN ALTHERMA 3 H F 16kW (230L)	Reg. No.	011-1W0324
Certificate Holder			
Name	DAIKIN Europe N.V.	DAIKIN Europe N.V.	
Address	Zandvoordestraat 300 Zip B-8400		B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 H F 16kW (230L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.5 kg		
Certification Date	06.03.2019		
Testing basis	HP KEYMARK certification scheme rules rev. 9		

# Model: EPGA16DV / EAVH16S23D(6V/9W)(G)

Configure model		
Model name	EPGA16DV / EAVH16S23D(6V/9W)(G)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

# Cooling





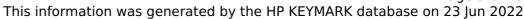
EN 14511-2	
+7°C/+12°C	
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

#### EN 14825





This information was generated by the Hill Re	+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





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	
179 %	133 %	
14.00 kW	16.00 kW	
4.56	3.41	
-10 °C	-5 °C	
-10 °C	-10 °C	
12.20 kW	13.10 kW	
2.99	2.23	
1.00	1.00	
7.40 kW	8.70 kW	
4.30	3.26	
1.00	1.00	
5.00 kW	5.80 kW	
6.35	4.62	
0.95	0.96	
	Low temperature  179 %  14.00 kW  4.56  -10 °C  -10 °C  12.20 kW  2.99  1.00  7.40 kW  4.30  1.00  5.00 kW  6.35	





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286	



# Model: EPGA16DV / EAVX16S23D(6V/9W)(G)

Configure model		
Model name EPGA16DV / EAVX16S23D(6V/9W)(G)		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	16.50 kW	15.84 kW	
El input	3.45 kW	5.17 kW	
СОР	4.78	3.06	

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

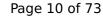
# Cooling





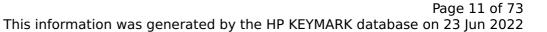
EN 14511-2			
+7°C/+12°C			
El input	4.93 kW		
Cooling capacity	13.48		
EER	2.74		

#### 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
PTO	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1636 kWh





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)

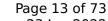
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
$COP Tj = -7^{\circ}C$	2.99	2.23
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	7.40 kW	8.70 kW
$COPTj = +2^{\circ}C$	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7$ °C	5.00 kW	5.80 kW
$COP Tj = +7^{\circ}C$	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96





Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286	

# Model: EPGA16DV / EAVZ16S23D(6V/9W)

Configure model		
Model name	EPGA16DV / EAVZ16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

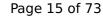
General Data			
Power supply 1x230V 50Hz			

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	16.50 kW	15.84 kW	
El input	3.45 kW	5.17 kW	
СОР	4.78	3.06	

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

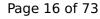
# Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.93 kW	
Cooling capacity	13.48	
EER	2.74	

#### EN 14825





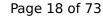
This information was generated by the Hill Re	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1636 kWh





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)

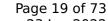
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96





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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286	

# Model: EPGA16DV / EAVH16S23D(6V/9W)(G) + cooling kit

Configure model		
Model name	EPGA16DV / EAVH16S23D(6V/9W)(G) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

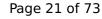
General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

## Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

#### EN 14825



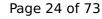


This information was generated by the HP KE	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1636 kWh



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	
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00	
Pdh Tj = +2°C	7.40 kW	8.70 kW	
COP Tj = +2°C	4.30	3.26	
Cdh Tj = +2 °C	1.00	1.00	
Pdh Tj = +7°C	5.00 kW	5.80 kW	
COP Tj = +7°C	6.35	4.62	
Cdh Tj = +7 °C	0.95	0.96	





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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	111 %
СОР	2.70
Heating up time	1:05 h:min
Standby power input	36.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	286 I

# Model: EPGA16DV / EAVZ16S23D(6V/9W) + cooling kit

Configure model		
Model name EPGA16DV / EAVZ16S23D(6V/9W) + cooling kit		
pplication Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

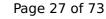
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

#### Cooling





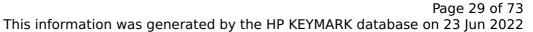
EN 14511-2		
+7°C/+12°C		
El input	4.93 kW	
Cooling capacity	13.48	
EER	2.74	

#### 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
PTO	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1636 kWh





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)

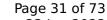
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96





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Cdh Tj = +12 °C	0.94	0.95		
Pdh Tj = Tbiv	14.50 kW	12.90 kW		
COP Tj = Tbiv	2.72	2.40		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity		
Supplementary Heater: PSUP	0.00 kW	2.80 kW		
Annual energy consumption Qhe	6267 kWh	9628 kWh		

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286 I	

## **Model: EPGA16DV / EAVH16SU23D6V**

Configure model		
Model name	EPGA16DV / EAVH16SU23D6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

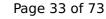
General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	16.50 kW	15.84 kW	
El input	3.45 kW	5.17 kW	
СОР	4.78	3.06	

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

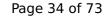
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

#### EN 14825



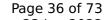


This information was generated by the Hill Re	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1636 kWh



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
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96





The information has generated by the information as june 25				
Pdh Tj = 12°C	5.30 kW	5.20 kW		
COP Tj = 12°C	8.12	6.47		
Cdh Tj = +12 °C	0.94	0.95		
Pdh Tj = Tbiv	14.50 kW	12.90 kW		
COP Tj = Tbiv	2.72	2.40		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity		
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	XL
Efficiency ηDHW	111 %
СОР	2.70
Heating up time	1:05 h:min
Standby power input	36.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	286 I



# Model: EPGA16DV7 / EAVH16S23D(6V/9W)7

Configure model		
Model name EPGA16DV7 / EAVH16S23D(6V/9W)7		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

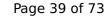
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

# Cooling





EN 14511-2	
+7°C/+12°C	
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

#### EN 14825





This information was generated by the Hill Re	+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



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
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96

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	,	
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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	XL
Efficiency ηDHW	111 %
СОР	2.70
Heating up time	1:05 h:min
Standby power input	36.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	286 I



# Model: EPGA16DV7 / EAVX16S23D(6V/9W)7

Configure model		
Model name EPGA16DV7 / EAVX16S23D(6V/9W)7		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data			
Power supply 1x230V 50Hz			

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

# Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.93 kW	
Cooling capacity	13.48	
EER	2.74	

#### EN 14825





This information was generated by the Hill Re	+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



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)

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 = $-7^{\circ}$ C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	7.40 kW	8.70 kW
$COP Tj = +2^{\circ}C$	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286 I	



# Model: EPGA16DV7 / EAVZ16S23D6V7

Configure model		
Model name	EPGA16DV7 / EAVZ16S23D6V7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

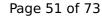
General Data			
Power supply 1x230V 50Hz			

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

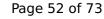
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

#### EN 14825





This information was generated by the Hill Re	+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

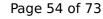


EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96

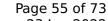
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		<u>,                                      </u>
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286 I	



# Model: EPGA16DV7 / EAVH16S23D(6V/9W)7 + cooling kit

Configure model		
Model name	EPGA16DV7 / EAVH16S23D(6V/9W)7 + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

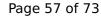
	General Data	
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

## Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
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	0 W
Annual energy consumption Qce	1636 kWh





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 ter			
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00	
Pdh Tj = +2°C	7.40 kW	8.70 kW	
COP Tj = +2°C	4.30	3.26	
Cdh Tj = +2 °C	1.00	1.00	
Pdh Tj = +7°C	5.00 kW	5.80 kW	
COP Tj = +7°C	6.35	4.62	
Cdh Tj = +7 °C	0.95	0.96	

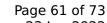
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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286	



# Model: EPGA16DV7 / EAVZ16S23D6V7 + cooling

Configure model		
Model name EPGA16DV7 / EAVZ16S23D6V7 + cooling kit		
Application Heating + DHW + low temp		
nits Indoor + Outdoor		
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

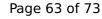
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06

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

## Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.93 kW	
Cooling capacity	13.48	
EER	2.74	

#### EN 14825





This information was generated by the Hill Re	+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



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
$\eta_{s}$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh Tj = +7 °C	0.95	0.96

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	1:05 h:min	
Standby power input	36.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	286 I	



# Model: EPGA16DV7 / EAVH16SU23D6V7

Configure model		
Model name	EPGA16DV7 / EAVH16SU23D6V7	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

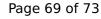
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	16.50 kW	15.84 kW	
El input	3.45 kW	5.17 kW	
СОР	4.78	3.06	

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

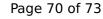
# Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.93 kW	
Cooling capacity	13.48	
EER	2.74	

#### EN 14825





This information was generated by the Hill Re	+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

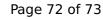




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
Low temperature	Medium temperature	
179 %	133 %	
14.00 kW	16.00 kW	
4.56	3.41	
-10 °C	-5 °C	
-10 °C	-10 °C	
12.20 kW	13.10 kW	
2.99	2.23	
1.00	1.00	
7.40 kW	8.70 kW	
4.30	3.26	
1.00	1.00	
5.00 kW	5.80 kW	
6.35	4.62	
0.95	0.96	
	Low temperature  179 %  14.00 kW  4.56  -10 °C  -10 °C  12.20 kW  2.99  1.00  7.40 kW  4.30  1.00  5.00 kW  6.35	

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		<u>,                                      </u>
Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.50 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
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	XL
Efficiency ηDHW	111 %
СОР	2.70
Heating up time	1:05 h:min
Standby power input	36.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	286