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Summary of	DAIKIN ALTHERMA 3 H F 16kW (230L)	Reg. No.	011-1W0324
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 H 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
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**EN 14825**

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EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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 = 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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

## 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
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P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate



### 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
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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
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Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
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P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

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

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

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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	<b>+7°C/+12°C</b>
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EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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 %
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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
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PCK	0 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)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

## 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
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COP	4.78	3.06

EN 14511-4	
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Complete power supply failure	passed
Defrost test	passed
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### Cooling



### EN 14511-2

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PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### EN 12102-1

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### EN 14825

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PCK	0 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)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate



### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)

### Average Climate



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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

## 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# Model: EPGA16DV7 / EAVZ16S23D6V7 + cooling kit

Configure model	
Model name	EPGA16DV7 / EAVZ16S23D6V7 + 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
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate



### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l

# 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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	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**

	<b>+7°C/+12°C</b>
El input	4.93 kW
Cooling capacity	13.48
EER	2.74

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.5 kW
SEER	4.95
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.48 kW
EER T <sub>j</sub> = 35°C	2.74
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.47 kW
EER T <sub>j</sub> = 30°C	4.01
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.18 kW
EER T <sub>j</sub> = 25°C	6.12
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	7.86 kW
EER T <sub>j</sub> = 20°C	6.65
C <sub>dc</sub>	1
P <sub>off</sub>	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1636 kWh

## Average Climate

### 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

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

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
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

## Domestic Hot Water (DHW)

### Average Climate



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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	111 %
COP	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 l