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Summary of	DAIKIN ALTHERMA 3 H F+W 11kW (180L)	Reg. No.	011-1W0319
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 H F+W 11kW (180L)		
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: EPGA11DV / EABH16D(6V/9W)

Configure model	
Model name	EPGA11DV / EABH16D(6V/9W)
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

## Model: EPGA11DV / EABX16D(6V/9W)

Configure model	
Model name	EPGA11DV / EABX16D(6V/9W)
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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

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TOL	-10 °C	-10 °C
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COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
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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	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

# Model: EPGA11DV / EAVH16S18D(6V/9W)(G)

Configure model	
Model name	EPGA11DV / EAVH16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
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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>	1260 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
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### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
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SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
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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	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV / EAVX16S18D(6V/9W)(G)

Configure model	
Model name	EPGA11DV / EAVX16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV / EAVZ16S18D(6V/9W)

Configure model	
Model name	EPGA11DV / EAVZ16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
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**EN 14825**

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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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

## Domestic Hot Water (DHW)

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Configure model	
Model name	EPGA11DV / EABH16D(6V/9W) + cooling kit
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
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## Average Climate



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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

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Configure model	
Model name	EPGA11DV / EAVH16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV / EAVZ16S18D(6V/9W) + cooling kit

Configure model	
Model name	EPGA11DV / EAVZ16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV / EAVH16SU18D6V

Configure model	
Model name	EPGA11DV / EAVH16SU18D6V
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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EABH16D(6V/9W)7

Configure model	
Model name	EPGA11DV7 / EABH16D(6V/9W)7
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 kWh

# Model: EPGA11DV7 / EABX16D(6V/9W)7

Configure model	
Model name	EPGA11DV7 / EABX16D(6V/9W)7
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

# Model: EPGA11DV7 / EAVH16S18D(6V/9W)7

## Configure model

Model name	EPGA11DV7 / EAVH16S18D(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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EAVX16S18D(6V/9W)7

## Configure model

Model name	EPGA11DV7 / EAVX16S18D(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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EAVZ16S18D6V7

Configure model	
Model name	EPGA11DV7 / EAVZ16S18D6V7
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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EABH16D(6V/9W)7 + cooling kit

Configure model	
Model name	EPGA11DV7 / EABH16D(6V/9W)7 + cooling kit
Application	Heating (medium 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

# Model: EPGA11DV7 / EAVH16S18D(6V/9W)7 + cooling kit

Configure model	
Model name	EPGA11DV7 / EAVH16S18D(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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate



### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EAVZ16S18D6V7 + cooling kit

Configure model	
Model name	EPGA11DV7 / EAVZ16S18D6V7 + 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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	175 %	130 %
Prated	11.00 kW	13.00 kW
SCOP	4.44	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5112 kWh	7768 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	104 %
COP	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: EPGA11DV7 / EAVH16SU18D6V7

Configure model	
Model name	EPGA11DV7 / EAVH16SU18D6V7
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	11.10 kW	15.84 kW
El input	2.16 kW	5.17 kW
COP	5.15	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	3.30 kW
Cooling capacity	10.66
EER	3.23

**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>	10.7 kW
SEER	5.1
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.66 kW
EER T <sub>j</sub> = 35°C	3.23
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.87 kW
EER T <sub>j</sub> = 30°C	4.32
C <sub>dc</sub>	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.16 kW
EER T <sub>j</sub> = 25°C	6.16
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>	1260 kWh

## Average Climate

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	172 %	129 %
Prated	11.00 kW	13.00 kW
SCOP	4.38	3.29
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	11.50 kW
COP Tj = -7°C	3.07	2.25
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.30 kW	6.50 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.50 kW	4.60 kW
COP Tj = +7°C	5.86	4.27
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	7.88	5.75
Cdh Tj = +12 °C	0.94	0.95
Pdh Tj = Tbiv	11.00 kW	12.50 kW
COP Tj = Tbiv	2.80	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.00 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.11
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5189 kWh	7845 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	L
Efficiency $\eta_{DHW}$	104 %
COP	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