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

#### **Login**

Summary of	DAIKIN ALTHERMA 3 WS 6KW	Reg. No.	011-1W0520		
Certificate Holder					
Name	DAIKIN Europe N.V.				
Address	Zandvoordestraat 300	Zandvoordestraat 300 Zip B-8400			
City	Oostende	Country	Belgium		
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH				
Subtype title	DAIKIN ALTHERMA 3 WS 6KW				
Heat Pump Type	Water/Water				
Refrigerant	R32				
Mass of Refrigerant	1.7 kg				
Certification Date	14.02.2022				
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)				

# **Model: EWSAH06DA9W**

Configure model		
Model name EWSAH06DA9W		
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data	
Power supply	3x400V 50Hz
Off-peak product	n/a

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.13 kW	5.61 kW	
El input	1.15 kW	1.72 kW	
СОР	5.33	3.27	

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	1.38 kW	
Cooling capacity	5.81	
EER 4.21		

#### EN 14825





	+7°C/+12°C
Pdesignc	5.81 kW
SEER	6.98
Pdc Tj = 35°C	5.81 kW
EER Tj = 35°C	4.21
Pdc Tj = 30°C	4.54 kW
EER Tj = 30°C	5.82
Cdc	0.980
Pdc Tj = 25°C	2.77 kW
EER Tj = 25°C	8.83
Cdc	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh

### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	234 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.06	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW

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COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 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	1345 kWh	1766 kWh

#### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825			
Low temperature Medium temperatur			
$\eta_s$	194 %	166 %	
Prated	6.05 kW	5.60 kW	





SCOP	5.05	4.36
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W





РТО	24 W	24 W
PSB	15 W	15 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	2952 kWh	3169 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	252 %	158 %
Prated	6.10 kW	5.60 kW
SCOP	6.49	4.15
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50





Pdh Tj = $+2^{\circ}$ C  COP Tj = $+2^{\circ}$ C  6.6	47 kW	1.000 3.13 kW
$COP Tj = +2^{\circ}C $ 6.6		3.13 kW
	68	
Cdh Tj = +2 °C  0.9		4.46
	900	1.000
$Pdh Tj = +7^{\circ}C$ 2.1	16 kW	1.92 kW
$COP Tj = +7^{\circ}C $ 7.6	66	5.10
Cdh Tj = +7 °C  1.0	000	1.000
$Pdh Tj = 12^{\circ}C$	99 kW	0.80 kW
$COP Tj = 12^{\circ}C$	99	4.28
Cdh Tj = +12 °C  0.9	900	1.000
Pdh Tj = Tbiv 6.1	13 kW	5.61 kW
COP Tj = Tbiv 5.3	33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh 6.1	13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 5.3	33	3.27
WTOL 35	5 °C	55 °C
Poff 15	5 W	15 W
PTO 24	4 W	24 W
PSB 15	5 W	15 W
PCK 0 V	w	0 W
Supplementary Heater: Type of energy input Ele	ectricity	Electricity
Supplementary Heater: PSUP 0.0	00 kW	0.00 kW



Annual energy consumption Qhe	1941 kWh	2785 kWh

## Domestic Hot Water (DHW)

## Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.77	
Heating up time	1:48 h:min	
Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239	

#### Colder Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
СОР	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 I

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
СОР	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 I



# **Model: EWSAH06UDA9W**

Configure model		
Model name	EWSAH06UDA9W	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

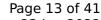
General Data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.13 kW	5.61 kW
El input	1.15 kW	1.72 kW
СОР	5.33	3.27

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

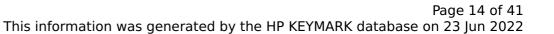
## Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	

#### EN 14825





	+7°C/+12°C
Pdesignc	5.81 kW
SEER	6.98
Pdc Tj = 35°C	5.81 kW
EER Tj = 35°C	4.21
Pdc Tj = 30°C	4.54 kW
EER Tj = 30°C	5.82
Cdc	0.980
Pdc Tj = 25°C	2.77 kW
EER Tj = 25°C	8.83
Cdc	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc	0.950
Poff	15 W
РТО	24 W
PSB	15 W
PCK	o w
Annual energy consumption Qce	500 kWh

### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	234 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.06	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
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COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

#### Colder Climate

Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

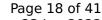
1345 kWh

1766 kWh

EN 14825		
Low temperature	Medium temperature	
194 %	166 %	
6.05 kW	5.60 kW	
-	194 %	



SCOP	5.05	4.36
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	1.31 kW	1.28 kW
$COPTj = +7^{\circ}C$	6.97	4.03
Cdh Tj = $+7$ °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W





РТО	24 W	24 W
PSB	15 W	15 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	2952 kWh	3169 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
Low temperature Me		Medium temperature
$\eta_{s}$	252 %	158 %
Prated	6.10 kW	5.60 kW
SCOP	6.49	4.15
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50



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Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = $+7$ °C	2.16 kW	1.92 kW
$COPTj = +7^{\circ}C$	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 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	1941 kWh	2785 kWh

## Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.77	
Heating up time	1:48 h:min	
Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239 I	

#### Colder Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.77	
Heating up time	1:48 h:min	
Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239 I	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.77	
Heating up time	1:48 h:min	
Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239	

# **Model: EWSAX06DA9W**

Configure model		
Model name	EWSAX06DA9W	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

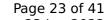
General Data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.13 kW	5.61 kW	
El input	1.15 kW	1.72 kW	
СОР	5.33	3.27	

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

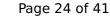
## Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	

#### EN 14825





	+7°C/+12°C
Pdesignc	5.81 kW
SEER	6.98
Pdc Tj = 35°C	5.81 kW
EER Tj = 35°C	4.21
Pdc Tj = 30°C	4.54 kW
EER Tj = 30°C	5.82
Cdc	0.980
Pdc Tj = 25°C	2.77 kW
EER Tj = 25°C	8.83
Cdc	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh

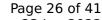
### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	247 %	168 %
Prated	6.10 kW	5.60 kW
SCOP	6.37	4.40
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW

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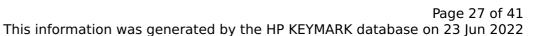


COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1279 kWh	1699 kWh

#### Colder Climate

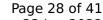
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	196 %	168 %
Prated	6.05 kW	5.60 kW





SCOP	5.11	4.40
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W

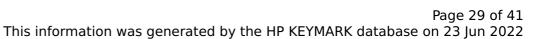




РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2919 kWh	3138 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	259 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.68	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50





Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2$ °C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
$COPTj = +7^{\circ}C$	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW



A second	1006   144	2720 1 14/1
Annual energy consumption Qhe	1886 kWh	2730 kWh

## Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.77	
Heating up time	1:48 h:min	
Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239	

#### Colder Climate



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Standby power input	27.6 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	239 I	

# **Model: EWSAX06UDA9W**

Configure model		
Model name	EWSAX06UDA9W	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

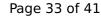
General Data			
Power supply 3x400V 50Hz			
Off-peak product n/a			

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.13 kW	5.61 kW	
El input	1.15 kW	1.72 kW	
СОР	5.33	3.27	

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

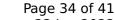
## Cooling





EN 14511-2			
+7°C/+12°C			
El input	1.38 kW		
Cooling capacity	5.81		
EER	4.21		

#### EN 14825





	+7°C/+12°C
Pdesignc	5.81 kW
SEER	6.98
Pdc Tj = 35°C	5.81 kW
EER Tj = 35°C	4.21
Pdc Tj = 30°C	4.54 kW
EER Tj = 30°C	5.82
Cdc	0.980
Pdc Tj = 25°C	2.77 kW
EER Tj = 25°C	8.83
Cdc	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc	0.950
Poff	15 W
РТО	24 W
PSB	15 W
PCK	o w
Annual energy consumption Qce	500 kWh

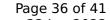
### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
Low temperature Medium t		
$\eta_{s}$	247 %	168 %
Prated	6.10 kW	5.60 kW
SCOP	6.37	4.40
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This information was generated by the HP KEYMARK database on 23 Jun 202		
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

#### Colder Climate

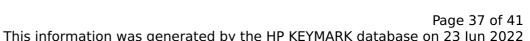
Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

1279 kWh

1699 kWh

EN 14825			
Low temperature Medium temperat			
$\eta_{s}$	196 %	168 %	
Prated	6.05 kW	5.60 kW	





SCOP SCOP	5.11	MARK database on 23 Jun 202 4.40
	3.22	
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = $-7^{\circ}$ C	3.47 kW	3.68 kW
COP $Tj = -7$ °C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	1.31 kW	1.28 kW
$COP Tj = +7^{\circ}C$	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W





	<u> </u>	
PTO	24 W	24 W
PSB	15 W	15 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	2919 kWh	3138 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	259 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.68	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50



This information was generated by the HP KEYMARK database on 23 jun 20		
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
$COP Tj = +7^{\circ}C$	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW



A second	1006 1 11/1	2720 1 14/1
Annual energy consumption Qhe	1886 kWh	2730 kWh

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