

Summary of	DAIKIN ALTHERMA 3 LT SPLIT 16KW (230L)	Reg. No.	011-1W0324
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300 Zip B-8400		B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	IGE Institut für GebäudeEnergetik		
Subtype title	DAIKIN ALTHERMA 3 LT SPLIT 16KW (230L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.5 kg		
Certification Date	06.03.2019		



Model: EPGA16DV / EAVZ16S23D6V

General Data	
Power supply	1x230V 50Hz

Heating

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

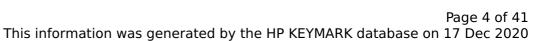
EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h



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

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

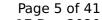
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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Domestic Hot Water (DHW)

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



Model: EPGA16DV / EAVZ16S23D9W

General Data	
Power supply	1x230V 50Hz

Heating

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

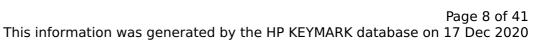
EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
СОР	4.78	3.06
Indoor water flow rate	2.84 m³/h	1.95 m³/h



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

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

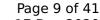
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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVH16S23D6V(G)

General Data		
Power supply	1x230V 50Hz	

Heating

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

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



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

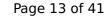
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVH16S23D9W(G)

General Data		
Power supply	1x230V 50Hz	

Heating

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

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



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

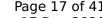
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVX16S23D6V(G)

General Data		
Power supply	1x230V 50Hz	

Heating

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

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

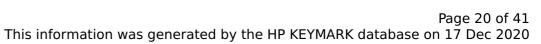


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

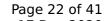




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EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

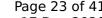
EN 14825





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

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVX16S23D9W(G)

General Data	
Power supply	1x230V 50Hz

Heating

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

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



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

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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

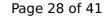




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EN 14511-2	
	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

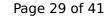
EN 14825





	THANK database on 17 Dec 2020
	+7°C/+12°C
Pdesignc	13.5 kW
SEER	4.95
Pdc Tj = 35°C	13.48 kW
EER Tj = 35°C	2.74
Pdc Tj = 30°C	9.47 kW
EER Tj = 30°C	4.01
Cdc	1
Pdc Tj = 25°C	6.18 kW
EER Tj = 25°C	6.12
Cdc	1
Pdc Tj = 20°C	7.86 kW
EER Tj = 20°C	6.65
Cdc	1
Poff	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1636 kWh

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVH16S23D6V(G) + cooling kit

General Data		
Power supply	1x230V 50Hz	

Heating

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

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



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

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

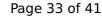
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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

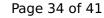
Cooling





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

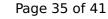
EN 14825





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

Domestic Hot Water (DHW)





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



Model: EPGA16DV / EAVH16S23D9W(G) + cooling kit

General Data		
Power supply	1x230V 50Hz	

Heating

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

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



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

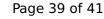
	EN 14825	
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80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

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling





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

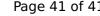
EN 14825





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

Domestic Hot Water (DHW)





 $$\operatorname{Page}\ 41$$ of 41 This information was generated by the HP KEYMARK database on 17 Dec 2020

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