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This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Ecodan Zubadan 14-300D Packaged	Reg. No.	037-0038-20
Certificate Holder	Certificate Holder		
Name	Mitsubishi Electric Air Conditioning Systems Euro	ope LTD	
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ
City	Livingston	Country	United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering 1	Test Institut	e, Public Enterprise)
Name of testing laboratory	Universität Stuttgart, IGE, Prüfstelle HLK		
Subtype title	Ecodan Zubadan 14-300D Packaged		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.3 kg		
Certification Date	27.07.2020		
Testing basis	HP Keymark scheme rules rev. no. 6		



Model: PUZ-HWM140VHA(-BS) + EHPT30X-M*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.14 kW	5.24 kW
СОР	4.46	2.67
Indoor water flow rate	2.41 m³/h	1.51 m³/h

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	132 %
Prated	14.00 kW	14.00 kW
SCOP	4.47	3.37
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	12.40 kW	12.40 kW
COP Tj = -7°C	2.55	1.98
Cdh	1.00	1.00
Pdh Tj = +2°C	7.50 kW	7.50 kW
COP Tj = +2°C	4.41	3.25
Cdh	0.99	0.99
Pdh Tj = +7°C	4.90 kW	5.10 kW
COP Tj = +7°C	6.28	4.64
Cdh	0.98	0.99

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Pdh Tj = 12°C	5.70 kW	5.20 kW
COP Tj = 12°C	7.43	6.24
Cdh	0.98	0.98
Pdh Tj = Tbiv	12.40 kW	12.40 kW
COP Tj = Tbiv	2.55	1.98
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	2.40	1.75
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.39 kW	1.39 kW
Annual energy consumption Qhe	6464 kWh	8591 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	227 %	132 %
Prated	14.00 kW	14.00 kW
SCOP	5.75	4.07
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
$COP Tj = +7^{\circ}C$	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C





Poff	15 W	15 W
РТО	15 W	15 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	3252 kWh	4593 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.83
Heating up time	2:26 h:min
Standby power input	51.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417





EN 16147	
Declared load profile	XL
Efficiency ηDHW	125 %
СОР	3.02
Heating up time	2:21 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417



Model: PUZ-HWM140VHA(-BS) + EHPT30X-YM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.14 kW	5.24 kW
СОР	4.46	2.67
Indoor water flow rate	2.41 m³/h	1.51 m³/h

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

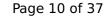
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	132 %
Prated	14.00 kW	14.00 kW
SCOP	4.47	3.37
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	12.40 kW	12.40 kW
COP Tj = -7°C	2.55	1.98
Cdh	1.00	1.00
Pdh Tj = +2°C	7.50 kW	7.50 kW
COP Tj = +2°C	4.41	3.25
Cdh	0.99	0.99
Pdh Tj = +7°C	4.90 kW	5.10 kW
COP Tj = +7°C	6.28	4.64
Cdh	0.98	0.99

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Pdh Tj = 12°C	5.70 kW	5.20 kW
COP Tj = 12°C	7.43	6.24
Cdh	0.98	0.98
Pdh Tj = Tbiv	12.40 kW	12.40 kW
COP Tj = Tbiv	2.55	1.98
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	2.40	1.75
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.39 kW	1.39 kW
Annual energy consumption Qhe	6464 kWh	8591 kWh

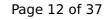
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	227 %	132 %
Prated	14.00 kW	14.00 kW
SCOP	5.75	4.07
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
COP Tj = +7°C	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C



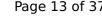


Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3252 kWh	4593 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.83
Heating up time	2:26 h:min
Standby power input	51.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	125 %
СОР	3.02
Heating up time	2:21 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417



Model: PUZ-HWM140VHA(-BS) + ERPT30X-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.14 kW	5.24 kW
СОР	4.46	2.67
Indoor water flow rate	2.41 m³/h	1.51 m³/h

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

Average Climate

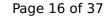


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	133 %
Prated	14.00 kW	14.00 kW
SCOP	4.51	3.39
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	12.40 kW	12.40 kW
COP Tj = -7°C	2.55	1.98
Cdh	1.00	1.00
Pdh Tj = +2°C	7.50 kW	7.50 kW
COP Tj = +2°C	4.41	3.25
Cdh	0.99	0.99
Pdh Tj = +7°C	4.90 kW	5.10 kW
COP Tj = +7°C	6.28	4.64
Cdh	0.98	0.99

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5.70 kW	5.20 kW
7.43	6.24
0.98	0.98
12.40 kW	12.40 kW
2.55	1.98
13.90 kW	13.90 kW
2.40	1.75
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	o w
electricity	electricity
1.39 kW	1.39 kW
6464 kWh	8591 kWh
	7.43 0.98 12.40 kW 2.55 13.90 kW 2.40 60 °C 15 W 15 W 0 W electricity 1.39 kW

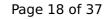
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	232 %	133 %
Prated	14.00 kW	14.00 kW
SCOP	5.87	4.13
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
COP Tj = +7°C	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C



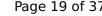


Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3252 kWh	4593 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.83
Heating up time	2:26 h:min
Standby power input	51.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417





$$\operatorname{\textit{Page}}\ 19$ of 37$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	XL
Efficiency ηDHW	125 %
СОР	3.02
Heating up time	2:21 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417



Model: PUZ-HWM140YHA(-BS) + EHPT30X-M*D

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.14 kW	5.24 kW
СОР	4.46	2.67
Indoor water flow rate	2.41 m³/h	1.51 m³/h

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

Average Climate



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	131 %
Prated	14.00 kW	14.00 kW
SCOP	4.46	3.36
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	12.40 kW	12.40 kW
COP Tj = -7°C	2.55	1.98
Cdh	1.00	1.00
Pdh Tj = +2°C	7.50 kW	7.50 kW
COP Tj = +2°C	4.41	3.25
Cdh	0.99	0.99
Pdh Tj = +7°C	4.90 kW	5.10 kW
COP Tj = +7°C	6.28	4.64
Cdh	0.98	0.99

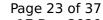
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5.70 kW	5.20 kW		
7.43	6.24		
0.98	0.98		
12.40 kW	12.40 kW		
2.55	1.98		
13.90 kW	13.90 kW		
2.40	1.75		
60 °C	60 °C		
22 W	22 W		
22 W	22 W		
22 W	22 W		
o w	o w		
electricity	electricity		
1.39 kW	1.39 kW		
6491 kWh	8618 kWh		
	7.43 0.98 12.40 kW 2.55 13.90 kW 2.40 60 °C 22 W 22 W 0 W electricity 1.39 kW		

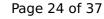
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	225 %	131 %
Prated	14.00 kW	14.00 kW
SCOP	5.69	4.04
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
$COP Tj = +7^{\circ}C$	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C



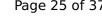


Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3288 kWh	4629 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.83	
Heating up time	2:26 h:min	
Standby power input	51.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





 $$\operatorname{\textit{Page}}\xspace$ 25 of 37 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	3.02	
Heating up time	2:21 h:min	
Standby power input	41.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	

Model: PUZ-HWM140YHA(-BS) + EHPT30X-YM*D

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.14 kW	5.24 kW
СОР	4.46	2.67
Indoor water flow rate	2.41 m³/h	1.51 m³/h

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

Average Climate

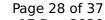


 $$\operatorname{\textit{Page}}\xspace$ 27 of 37 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	40 dB(A)	40 dB(A)		
Sound power level outdoor	67 dB(A)	67 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
η_{s}	175 %	131 %		
Prated	14.00 kW	14.00 kW		
SCOP	4.46	3.36		
Tbiv	-7 °C	-7 °C		
TOL	-28 °C	-28 °C		
Pdh Tj = -7°C	12.40 kW	12.40 kW		
COP Tj = -7°C	2.55	1.98		
Cdh	1.00	1.00		
Pdh Tj = +2°C	7.50 kW	7.50 kW		
COP Tj = +2°C	4.41	3.25		
Cdh	0.99	0.99		
Pdh Tj = +7°C	4.90 kW	5.10 kW		
COP Tj = +7°C	6.28	4.64		
Cdh	0.98	0.99		

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	,	
Pdh Tj = 12°C	5.70 kW	5.20 kW
COP Tj = 12°C	7.43	6.24
Cdh	0.98	0.98
Pdh Tj = Tbiv	12.40 kW	12.40 kW
COP Tj = Tbiv	2.55	1.98
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	2.40	1.75
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.39 kW	1.39 kW
Annual energy consumption Qhe	6491 kWh	8618 kWh

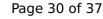
EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	40 dB(A)	40 dB(A)		
Sound power level outdoor	67 dB(A)	67 dB(A)		





EN 14825

	Low temperature	Medium temperature
η _s	225 %	131 %
Prated	14.00 kW	14.00 kW
SCOP	5.69	4.04
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
$COP Tj = +7^{\circ}C$	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C





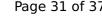
This	information v	was	generated b	У	the HP	KEYMARK	database o	n 17	Dec 2020	

Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	3288 kWh	4629 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147			
Declared load profile	XL		
Efficiency ηDHW	118 %		
СОР	2.83		
Heating up time	2:26 h:min		
Standby power input	51.0 W		
Reference hot water temperature	52.5 °C		
Mixed water at 40°C	417 l		





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EN 16147			
Declared load profile	XL		
Efficiency ηDHW	125 %		
СОР	3.02		
Heating up time	2:21 h:min		
Standby power input	41.0 W		
Reference hot water temperature	52.5 °C		
Mixed water at 40°C	417		



Model: PUZ-HWM140YHA(-BS) + ERPT30X-VM*D

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2					
	Low temperature	Medium temperature			
Heat output	14.00 kW	14.00 kW			
El input	3.14 kW	5.24 kW			
СОР	4.46	2.67			
Indoor water flow rate	2.41 m³/h	1.51 m³/h			

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

Average Climate

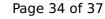


 $$\operatorname{\textit{Page}}\xspace$ 33 of 37 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	133 %
Prated	14.00 kW	14.00 kW
SCOP	4.51	3.39
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	12.40 kW	12.40 kW
COP Tj = -7°C	2.55	1.98
Cdh	1.00	1.00
Pdh Tj = +2°C	7.50 kW	7.50 kW
COP Tj = +2°C	4.41	3.25
Cdh	0.99	0.99
Pdh Tj = +7°C	4.90 kW	5.10 kW
COP Tj = +7°C	6.28	4.64
Cdh	0.98	0.99

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	Terated by the minitarin	
Pdh Tj = 12°C	5.70 kW	5.20 kW
COP Tj = 12°C	7.43	6.24
Cdh	0.98	0.98
Pdh Tj = Tbiv	12.40 kW	12.40 kW
COP Tj = Tbiv	2.55	1.98
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	2.40	1.75
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.39 kW	1.39 kW
Annual energy consumption Qhe	6491 kWh	8618 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	231 %	133 %
Prated	14.00 kW	14.00 kW
SCOP	5.86	4.13
Tbiv	2 °C	2 °C
TOL	-28 °C	-28 °C
Pdh Tj = +2°C	14.00 kW	14.00 kW
COP Tj = +2°C	3.15	1.94
Cdh	1.00	1.00
Pdh Tj = +7°C	9.00 kW	9.00 kW
COP Tj = +7°C	5.10	3.25
Cdh	0.99	1.00
Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	7.43	5.91
Cdh	0.98	0.98
Pdh Tj = Tbiv	14.00 kW	14.00 kW
COP Tj = Tbiv	3.15	1.94
Pdh Tj = TOL	13.90 kW	13.90 kW
COP Tj = TOL	3.14	1.94
WTOL	60 °C	60 °C



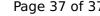


This information was generated by the in Item with addabase on 17 Dec		
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3288 kWh	4629 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
COP	2.83	
Heating up time	2:26 h:min	
Standby power input	51.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





 $$\operatorname{\textit{Page}}\xspace$ 37 of 37 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	3.02	
Heating up time	2:21 h:min	
Standby power input	41.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	