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Summary of	Ecodan Power Inverter 6/9-170D Packaged AA	Reg. No.	037-0031-20	
Certificate Holder	Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Europe	Mitsubishi Electric Air Conditioning Systems Europe LTD		
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ	
City	Livingston	Country	United Kingdom	
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)			
Name of testing laboratory	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)			
Subtype title	Ecodan Power Inverter 6/9-170D Packaged AA			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass Of Refrigerant	2.2 kg			
Certification Date	22.06.2020			
Testing basis	HP Keymark scheme rules rev. no. 6			



Model: PUZ-WM60VAA(-BS) + EHPT17X-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.19 kW	2.01 kW	
СОР	5.06	2.98	
Indoor water flow rate	1.03 m³/h	0.65 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	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	6.00 kW	6.00 kW
SCOP	4.84	3.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	3.39	2.26
Cdh	0.99	0.99
Pdh Tj = +2°C	4.10 kW	3.50 kW
COP Tj = +2°C	4.82	3.57
Cdh	0.98	0.98
Pdh Tj = +7°C	3.30 kW	3.60 kW
COP Tj = +7°C	6.35	5.07
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.10 kW	3.20 kW
COP Tj = 12°C	8.86	6.81
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.40	2.26
Pdh Tj = TOL	4.90 kW	4.90 kW
COP Tj = TOL	1.76	1.76
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	0.79 kW	0.79 kW
Annual energy consumption Qhe	2475 kWh	3318 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	
Sound power level outdoor	58 dB(A)	58 dB(A)	





EN 14825

	Low temperature	Medium temperature
η _s	218 %	142 %
Prated	6.00 kW	6.00 kW
SCOP	5.52	3.92
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.00 kW	6.00 kW
COP Tj = +2°C	3.64	1.85
Cdh	0.99	1.00
Pdh Tj = +7°C	3.90 kW	3.90 kW
$COP Tj = +7^{\circ}C$	4.76	3.22
Cdh	0.98	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.50	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.21	2.15
Pdh Tj = TOL	4.90 kW	4.90 kW
COP Tj = TOL	1.67	1.67
WTOL	60 °C	60 °C





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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	1397 kWh	1991 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.85	
Heating up time	2:31 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236 I	





EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.19	
Heating up time	2:17 h:min	
Standby power input	37.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	



Model: PUZ-WM60VAA(-BS) + EHPT17X-YM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.19 kW	2.01 kW	
СОР	5.06	2.98	
Indoor water flow rate	1.03 m³/h	0.65 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	

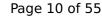
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	142 %
Prated	6.00 kW	6.00 kW
SCOP	4.84	3.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	3.39	2.26
Cdh	0.99	0.99
Pdh Tj = +2°C	4.10 kW	3.50 kW
COP Tj = +2°C	4.82	3.57
Cdh	0.98	0.98
Pdh Tj = +7°C	3.30 kW	3.60 kW
COP Tj = +7°C	6.35	5.07
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.10 kW	3.20 kW
COP Tj = 12°C	8.86	6.81
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.40	2.26
Pdh Tj = TOL	4.90 kW	4.90 kW
COP Tj = TOL	1.76	1.76
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.79 kW	0.79 kW
Annual energy consumption Qhe	2475 kWh	3318 kWh

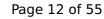
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	218 %	142 %
Prated	6.00 kW	6.00 kW
SCOP	5.52	3.92
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.00 kW	6.00 kW
COP Tj = +2°C	3.64	1.85
Cdh	0.99	1.00
Pdh Tj = +7°C	3.90 kW	3.90 kW
$COP Tj = +7^{\circ}C$	4.76	3.22
Cdh	0.98	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.50	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.21	2.15
Pdh Tj = TOL	4.90 kW	4.90 kW
COP Tj = TOL	1.67	1.67
WTOL	60 °C	60 °C



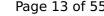


Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1397 kWh	1991 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.85	
Heating up time	2:31 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.19	
Heating up time	2:17 h:min	
Standby power input	37.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	

Model: PUZ-WM60VAA(-BS) + ERPT17X-VM*D

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.19 kW	2.01 kW	
СОР	5.06	2.98	
Indoor water flow rate	1.03 m³/h	0.65 m³/h	

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

Average Climate

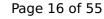


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	145 %
Prated	6.00 kW	6.00 kW
SCOP	4.99	3.71
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	3.39	2.26
Cdh	0.99	0.99
Pdh Tj = +2°C	4.10 kW	3.50 kW
COP Tj = +2°C	4.82	3.57
Cdh	0.98	0.98
Pdh Tj = +7°C	3.30 kW	3.60 kW
COP Tj = +7°C	6.35	5.07
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.10 kW	3.20 kW	
COP Tj = 12°C	8.86	6.81	
Cdh	0.96	0.97	
Pdh Tj = Tbiv	5.30 kW	5.30 kW	
COP Tj = Tbiv	3.40	2.26	
Pdh Tj = TOL	4.90 kW	4.90 kW	
COP Tj = TOL	1.76	1.76	
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	0.79 kW	0.79 kW	
Annual energy consumption Qhe	2475 kWh	3318 kWh	

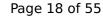
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	226 %	145 %
Prated	6.00 kW	6.00 kW
SCOP	5.73	4.02
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.00 kW	6.00 kW
COP Tj = +2°C	3.64	1.85
Cdh	0.99	1.00
Pdh Tj = +7°C	3.90 kW	3.90 kW
$COP Tj = +7^{\circ}C$	4.76	3.22
Cdh	0.98	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.50	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.21	2.15
Pdh Tj = TOL	4.90 kW	4.90 kW
COP Tj = TOL	1.67	1.67
WTOL	60 °C	60 °C





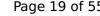
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Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1397 kWh	1991 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	2:31 h:min
Standby power input	39.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236





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EN 16147	
Declared load profile	L
Efficiency ηDHW	135 %
СОР	3.19
Heating up time	2:17 h:min
Standby power input	37.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236

Model: PUZ-WM85VAA(-BS) + EHPT17X-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.50 kW
El input	1.77 kW	3.01 kW
СОР	4.80	2.82
Indoor water flow rate	1.46 m³/h	0.91 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	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	193 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	4.89	3.54
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	1.00
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.99
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.20 kW	3.40 kW
COP Tj = 12°C	9.14	7.08
Cdh	0.96	0.97
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	3.10	2.07
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.80	1.80
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3473 kWh	4837 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	227 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	5.76	3.98
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
COP Tj = +7°C	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
WTOL	60 °C	60 °C

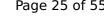


Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	2:31 h:min
Standby power input	39.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236





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EN 16147	
Declared load profile	L
Efficiency ηDHW	135 %
СОР	3.19
Heating up time	2:17 h:min
Standby power input	37.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236

Model: PUZ-WM85VAA(-BS) + EHPT17X-YM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.50 kW
El input	1.77 kW	3.01 kW
СОР	4.80	2.82
Indoor water flow rate	1.46 m³/h	0.91 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

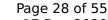


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	193 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	4.89	3.54
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	1.00
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.99
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.20 kW	3.40 kW
COP Tj = 12°C	9.14	7.08
Cdh	0.96	0.97
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	3.10	2.07
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.80	1.80
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.32 kW	1.32 kW
Annual energy consumption Qhe	3473 kWh	4837 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	227 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	5.76	3.98
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
COP Tj = +7°C	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
WTOL	60 °C	60 °C





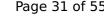
This information was ger	nerated by the HP KEYM	ARK database on 17 Dec 2020

Poff	15 W	15 W
PTO	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	2:31 h:min
Standby power input	39.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236





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EN 16147	
Declared load profile	L
Efficiency ηDHW	135 %
СОР	3.19
Heating up time	2:17 h:min
Standby power input	37.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236



Model: PUZ-WM85VAA(-BS) + ERPT17X-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.50 kW
El input	1.77 kW	3.01 kW
СОР	4.80	2.82
Indoor water flow rate	1.46 m³/h	0.91 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

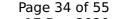


 $$\operatorname{\textit{Page}}\xspace$ 33 of 55 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	141 %
Prated	8.50 kW	8.50 kW
SCOP	5.00	3.60
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	1.00
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.99
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.98

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This information was	generated by the HP KEY	MARK database on 17 Dec 202
Pdh Tj = 12°C	3.20 kW	3.40 kW
COP Tj = 12°C	9.14	7.08
Cdh	0.96	0.97
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	3.10	2.07
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.80	1.80
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	1.32 kW	1.32 kW

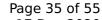
Warmer Climate

Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

3473 kWh

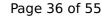
4837 kWh





EN 14825

	Low temperature	Medium temperature
η _s	234 %	141 %
Prated	8.50 kW	8.50 kW
SCOP	5.92	4.05
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
COP Tj = +7°C	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
WTOL	60 °C	60 °C



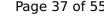


Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.85	
Heating up time	2:31 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.19	
Heating up time	2:17 h:min	
Standby power input	37.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	

Model: PUZ-WM85YAA(-BS) + EHPT17X-VM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.50 kW	8.50 kW	
El input	1.77 kW	3.01 kW	
СОР	4.80	2.82	
Indoor water flow rate	1.46 m³/h	0.91 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	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	138 %
Prated	8.50 kW	8.50 kW
SCOP	4.84	3.52
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	0.99
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.98
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.97

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Pdh Tj = 12°C	3.20 kW	3.40 kW
COP Tj = 12°C	9.14	7.08
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	3.10	2.07
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.80	1.80
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3473 kWh	4837 kWh
	•	

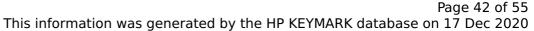
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	224 %	138 %
Prated	8.50 kW	8.50 kW
SCOP	5.69	3.94
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
COP Tj = +7°C	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
WTOL	60 °C	60 °C



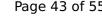


Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	2.85	
Heating up time	2:31 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236 I	





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.19	
Heating up time	2:17 h:min	
Standby power input	37.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	



Model: PUZ-WM85YAA(-BS) + EHPT17X-YM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.50 kW
El input	1.77 kW	3.01 kW
СОР	4.80	2.82
Indoor water flow rate	1.46 m³/h	0.91 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	nassod
Shatting on the heat transfer medium now	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	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	190 %	138 %
Prated	8.50 kW	8.50 kW
SCOP	4.84	3.52
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	0.99
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.98
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.97

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Pdh Tj = 12°C	3.20 kW	3.40 kW
COP Tj = 12°C	9.14	7.08
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	3.10	2.07
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.80	1.80
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3473 kWh	4837 kWh
	•	

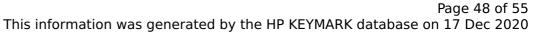
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	224 %	138 %
Prated	8.50 kW	8.50 kW
SCOP	5.69	3.94
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
COP Tj = +7°C	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
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	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	2:31 h:min
Standby power input	39.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236





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EN 16147	
Declared load profile	L
Efficiency ηDHW	135 %
СОР	3.19
Heating up time	2:17 h:min
Standby power input	37.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236



Model: PUZ-WM85YAA(-BS) + ERPT17X-VM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.50 kW
El input	1.77 kW	3.01 kW
СОР	4.80	2.82
Indoor water flow rate	1.46 m³/h	0.91 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

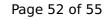


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	141 %
Prated	8.50 kW	8.50 kW
SCOP	5.00	3.60
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	3.10	2.07
Cdh	0.99	0.99
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.79	3.46
Cdh	0.98	0.98
Pdh Tj = +7°C	3.20 kW	3.70 kW
COP Tj = +7°C	6.81	5.00
Cdh	0.97	0.97

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-	
3.20 kW	3.40 kW
9.14	7.08
0.96	0.95
7.50 kW	7.50 kW
3.10	2.07
6.10 kW	6.10 kW
1.80	1.80
60 °C	60 °C
22 W	22 W
22 W	22 W
22 W	22 W
o w	o w
electricity	electricity
1.32 kW	1.32 kW
3473 kWh	4837 kWh
	3.20 kW 9.14 0.96 7.50 kW 3.10 6.10 kW 1.80 60 °C 22 W 22 W 22 W 0 W electricity 1.32 kW

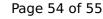
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η_{s}	234 %	141 %
Prated	8.50 kW	8.50 kW
SCOP	5.91	4.05
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.66	1.88
Cdh	0.99	1.00
Pdh Tj = +7°C	5.50 kW	5.50 kW
$COP Tj = +7^{\circ}C$	4.91	3.22
Cdh	0.99	0.99
Pdh Tj = 12°C	3.60 kW	3.40 kW
COP Tj = 12°C	7.66	5.76
Cdh	0.97	0.98
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.94	1.96
Pdh Tj = TOL	6.10 kW	6.10 kW
COP Tj = TOL	1.71	1.71
WTOL	60 °C	60 °C



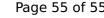


Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1916 kWh	2799 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	2.85
Heating up time	2:31 h:min
Standby power input	39.0 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 I





 $$\operatorname{\textit{Page}}\xspace$ 55 of 55 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	135 %	
СОР	3.19	
Heating up time	2:17 h:min	
Standby power input	37.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	