

Page 1 of 37

This information was generated by the HP KEYMARK database on 22 Jun 2022

Login

Summary of	Ecodan Power Inverter 11-300D Packaged AA	Reg. No.	037-0037-20	
Certificate Holder	Certificate Holder			
Name	ame 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)			
Subtype title	Ecodan Power Inverter 11-300D Packaged AA			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	3 kg			
Certification Date	27.07.2020			
Testing basis	HP Keymark scheme rules rev. no. 6			

Model: PUZ-WM112VAA(-BS) + EHPT30X-*M*D

Configure model		
Model name	PUZ-WM112VAA(-BS) + EHPT30X-*M*D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone Warmer Climate		
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.2 kW	10 kW	
El input	2.38 kW	3.33 kW	
СОР	4.7	3	

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	215 %	152 %
Prated	10 kW	10 kW
SCOP	5.46	3.87
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
$COP Tj = +2^{\circ}C$	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	6.4 kW	6.4 kW
$COP Tj = +7^{\circ}C$	4.82	3.13
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.12	5.66
Cdh Tj = +12 °C	0.98	0.98





Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	3.3	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
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	0 kW	0 kW
Annual energy consumption Qhe	2449 kWh	3452 kWh

Average Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 40 dB(A) 40 dB(A) Sound power level outdoor 60 dB(A) 60 dB(A)

EN 14825		
	Low temperature	Medium temperature





	· · · · · · · · · · · · · · · · · · ·	NK database on 22 juli 202.
η_s	191 %	134 %
Prated	10 kW	10 kW
SCOP	4.86	3.43
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7° C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
$COPTj = +2^{\circ}C$	4.56	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11
	. —	





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 1.22 kW 1.22 kW

4251 kWh

6024 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	120 %	
СОР	2.91	
Heating up time	03:10 h:min	
Standby power input	40 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	

Model: PUZ-WM112VAA(-BS) + EHPT30X-M*D

Configure model		
Model name	PUZ-WM112VAA(-BS) + EHPT30X-M*D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.2 kW	10 kW	
El input	2.38 kW	3.33 kW	
СОР	4.7	3	

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	215 %	152 %
Prated	10 kW	10 kW
SCOP	5.46	3.87
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	4.82	3.15
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.12	5.66
Cdh Tj = +12 °C	0.98	0.98

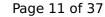




Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	3.3	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2449 kWh	3452 kWh

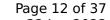
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature





	· · · · · · · · · · · · · · · · · · ·	NK database on 22 juli 202.
η_s	191 %	134 %
Prated	10 kW	10 kW
SCOP	4.86	3.43
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7° C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
$COPTj = +2^{\circ}C$	4.56	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11
	. —	



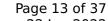


This information was gen	nerated by the HP KEYM	ARK database on 22 Jun 2022
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.22 kW	1.22 kW
Annual energy consumption Qhe	4251 kWh	6024 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	120 %	
СОР	2.91	
Heating up time	03:10 h:min	
Standby power input	40 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	



Model: PUZ-WM112VAA(-BS) + ERPT30X-*M*D

Configure model		
Model name	PUZ-WM112VAA(-BS) + ERPT30X-*M*D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.2 kW	10 kW	
El input	2.38 kW	3.33 kW	
СОР	4.7	3	

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	220 %	154 %
Prated	10 kW	10 kW
SCOP	5.58	3.93
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	4.76	3.11
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.12	5.66
Cdh Tj = +12 °C	0.98	0.98

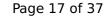




Pdh Tj = Tbiv10 kW10 kWCOP Tj = Tbiv3.31.81Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh10 kW10 kWCOP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh3.31.81WTOL60 °C60 °CPoff15 W15 WPTO15 W15 WPSB15 W15 WPCK0 W0 WSupplementary Heater: Type of energy inputElectricityElectricitySupplementary Heater: PSUP0 kW0 kWAnnual energy consumption Qhe2396 kWh3396 kWh			
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.3 1.81 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 O kW 0 kW	Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.3	1.81
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 kW 0 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
Poff 15 W 15 W PTO 15 W 15 W PSB 15 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0 kW 0 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
PTO 15 W 15 W PSB 15 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0 kW 0 kW	WTOL	60 °C	60 °C
PSB 15 W 15 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0 kW 0 kW	Poff	15 W	15 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0 kW 0 kW	РТО	15 W	15 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0 kW 0 kW	PSB	15 W	15 W
Supplementary Heater: PSUP 0 kW 0 kW	PCK	0 W	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2396 kWh 3396 kWh	Supplementary Heater: PSUP	0 kW	0 kW
	Annual energy consumption Qhe	2396 kWh	3396 kWh

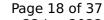
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	40 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature





	<u>, </u>	KK database on 22 Juli 202
η_{s}	195 %	136 %
Prated	10 kW	10 kW
SCOP	4.95	3.48
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7° C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
$COPTj = +2^{\circ}C$	4.61	3.31
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11



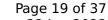


WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.22 kW	1.22 kW
Annual energy consumption Qhe	4173 kWh	5932 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	120 %	
СОР	2.91	
Heating up time	03:10 h:min	
Standby power input	40 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	

Model: PUZ-WM112YAA(-BS) + EHPT30X-*M*D

Configure model			
Model name PUZ-WM112YAA(-BS) + EHPT30X-*M*D			
Application Heating + DHW + low temp			
Units Indoor + Outdoor			
Climate Zone Warmer Climate			
Reversibility No			
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
СОР	4.7	3

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	213 %	150 %
Prated	10 kW	10 kW
SCOP	5.41	3.84
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = $+7^{\circ}$ C	6.4 kW	6.4 kW
COP Tj = +7°C	4.85	3.15
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.22	5.67
Cdh Tj = +12 °C	0.98	0.98



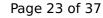


Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	3.3	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2471 kWh	3483 kWh

Average Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 40 dB(A) 40 dB(A) Sound power level outdoor 60 dB(A) 60 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was gener	ated by the HF KLTMA	TRE database on 22 Juli 2022
η_{s}	189 %	133 %
Prated	10 kW	10 kW
SCOP	4.81	3.41
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
COP Tj = +2°C	4.55	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11
	1	





WTOL 60 °C 60 °C 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 1.22 kW 1.22 kW

4293 kWh

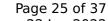
6063 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	120 %	
СОР	2.91	
Heating up time	03:10 h:min	
Standby power input	40 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	

Model: PUZ-WM112YAA(-BS) + EHPT30X-M*D

Configure model		
Model name PUZ-WM112YAA(-BS) + EHPT30X-M*D		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone Warmer Climate		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
СОР	4.7	3

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	213 %	150 %
Prated	10 kW	10 kW
SCOP	5.41	3.84
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	4.85	3.15
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.22	5.67
Cdh Tj = +12 °C	0.98	0.98





Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	3.3	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
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 kW	0 kW
Annual energy consumption Qhe	2471 kWh	3483 kWh

Average Climate

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

Sound power level outdoor 60 dB(A) 60 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was genera	<u> </u>	
η_{s}	189 %	133 %
Prated	10 kW	10 kW
SCOP	4.81	3.41
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7° C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
$COPTj = +2^{\circ}C$	4.55	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11



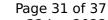


WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.22 kW	1.22 kW
Annual energy consumption Qhe	4293 kWh	6063 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	120 %	
СОР	2.91	
Heating up time	03:10 h:min	
Standby power input	40 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	



Model: PUZ-WM112YAA(-BS) + ERPT30X-*M*D

Configure model		
Model name PUZ-WM112YAA(-BS) + ERPT30X-*M*D		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone Warmer Climate		
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
СОР	4.7	3

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

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	220 %	154 %
Prated	10 kW	10 kW
SCOP	5.58	3.93
Tbiv	2 °C	2 °C
TOL	-25 °C	-25 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	3.3	1.81
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	4.78	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.7 kW	4.4 kW
COP Tj = 12°C	7.2	5.67
Cdh Tj = +12 °C	0.98	0.98



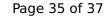


Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	3.3	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	1.81
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2392 kWh	3401 kWh

Average Climate

EN 12102-1Low temperatureMedium temperatureSound power level indoor40 dB(A)40 dB(A)Sound power level outdoor60 dB(A)60 dB(A)

EN 14825		
	Low temperature	Medium temperature





	· · · · · · · · · · · · · · · · · · ·	NK database on 22 Juli 202
η_s	195 %	136 %
Prated	10 kW	10 kW
SCOP	4.95	3.48
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7° C	8.8 kW	8.8 kW
$COP Tj = -7^{\circ}C$	3.31	2.21
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = $+2$ °C	5.7 kW	5.4 kW
$COPTj = +2^{\circ}C$	4.64	3.32
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	4.9 kW	5.2 kW
$COPTj = +7^{\circ}C$	6.68	4.61
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.6 kW	4.7 kW
COP Tj = 12°C	9.1	6.35
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	8.8 kW	8.8 kW
COP Tj = Tbiv	3.31	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.78 kW	8.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.11
	. —	



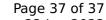


WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.22 kW	1.22 kW
Annual energy consumption Qhe	4171 kWh	5936 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	135 %	
СОР	3.24	
Heating up time	03:42 h:min	
Standby power input	39 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417 I	





EN 16147	
Declared load profile	XL
Efficiency ηDHW	120 %
СОР	2.91
Heating up time	03:10 h:min
Standby power input	40 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417