Subtype Ecodan Power Inverter 11-300D Packaged AA	
Certificate Holder	Mitsubishi Electric Air Conditioning Systems Europe LTD
Address	Nettlehill Road, Houston Industrial Estate
ZIP	EH54 5EQ
City	Livingston
Country	GB
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	Ecodan Power Inverter 11-300D Packaged AA
Registration number	037-0037-20
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3 kg
Certification Date	19.12.2023
Testing basis	HP Keymark scheme rules rev. no. 6
Testing laboratory	SZU Brno, CZ

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

Model name	PUZ-WM112VAA(-BS) + EHPT30X-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
COP	4.7	3

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°C	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.56	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.9 kW	5.2 kW
COP Tj = +7°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	4251 kWh	6024 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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	3.13
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
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
Annual energy consumption Qhe	2449 kWh	3452 kWh

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

Model name	PUZ-WM112VAA(-BS) + EHPT30X-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
COP	4.7	3

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°C	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.56	3.27
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.9 kW	5.2 kW
COP Tj = +7°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	4251 kWh	6024 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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
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
Annual energy consumption Qhe	2449 kWh	3452 kWh

Model PUZ-WM112VAA(-BS) + ERPT30X-*M*D	
Model name	PUZ-WM112VAA(-BS) + ERPT30X-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

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

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°C	3.31	2.21
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.61	3.31
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.9 kW	5.2 kW
COP Tj = +7°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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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 = 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
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
Annual energy consumption Qhe	2396 kWh	3396 kWh

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

Model name	PUZ-WM112YAA(-BS) + EHPT30X-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
COP	4.7	3

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°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°C	4.9 kW	5.2 kW
COP Tj = +7°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	4293 kWh	6063 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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
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 kW	0 kW
Annual energy consumption Qhe	2471 kWh	3483 kWh

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

Model name	PUZ-WM112YAA(-BS) + EHPT30X-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.2 kW	10 kW
El input	2.38 kW	3.33 kW
COP	4.7	3

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°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°C	4.9 kW	5.2 kW
COP Tj = +7°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	4293 kWh	6063 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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
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 kW	0 kW
Annual energy consumption Qhe	2471 kWh	3483 kWh

Model PUZ-WM112YAA(-BS) + ERPT30X-*M*D	
Model name	PUZ-WM112YAA(-BS) + ERPT30X-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	120 %
COP	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 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	135 %
COP	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 l

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

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°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	4.64	3.32
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.9 kW	5.2 kW
COP Tj = +7°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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	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
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 kW	0 kW
Annual energy consumption Qhe	2392 kWh	3401 kWh

Model PUZ-WM112VAA(-BS) + EHPT30X-*M*E	
Model name	PUZ-WM112VAA(-BS) + EHPT30X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	112 %
COP	2.74
Heating up time	2:57 h:min
Standby power input	47.7 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	137 %
COP	3.33
Heating up time	2:28 h:min
Standby power input	44.1 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	9 kW	9 kW
El input	1.91 kW	3.13 kW
COP	4.7	2.88

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	193 %	135 %
Prated	10 kW	10 kW
SCOP	4.89	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.19	2.02
Cdh Tj = -7 °C	0.995	0.997
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.72	3.17
Cdh Tj = +2 °C	0.987	0.991
Pdh Tj = +7°C	3.59 kW	3.67 kW
COP Tj = +7°C	6.73	5.46
Cdh Tj = +7 °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.78 kW
COP Tj = 12°C	8.28	6.78
Cdh Tj = +12 °C	0.969	0.973
Pdh Tj = Tbiv	8.85 kW	8.85 kW
COP Tj = Tbiv	3.19	2.02
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	2.72	1.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.997
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	4221 kWh	5981 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	217 %	152 %
Prated	10 kW	10 kW
SCOP	5.5	3.88
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	2.83	1.78
Cdh Tj = +2 °C	0.996	0.997
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	5.01	3.34
Cdh Tj = +7 °C	0.988	0.992
Pdh Tj = 12°C	3.98 kW	3.69 kW
COP Tj = 12°C	7.15	5.32
Cdh Tj = +12 °C	0.973	0.978
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.83	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	1.78
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	0.997
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
Annual energy consumption Qhe	2428 kWh	3441 kWh

Model PUZ-WM112VAA(-BS) + ERPT30X-*M*E	
Model name	PUZ-WM112VAA(-BS) + ERPT30X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	112 %
COP	2.74
Heating up time	2:57 h:min
Standby power input	47.7 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	137 %
COP	3.33
Heating up time	2:28 h:min
Standby power input	44.1 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	9 kW	9 kW
El input	1.91 kW	3.13 kW
COP	4.7	2.88

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	10 kW	10 kW
SCOP	4.96	3.49
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.19	2.02
Cdh Tj = -7 °C	0.995	0.997
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.72	3.17
Cdh Tj = +2 °C	0.987	0.991
Pdh Tj = +7°C	3.59 kW	3.67 kW
COP Tj = +7°C	6.73	5.46
Cdh Tj = +7 °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.78 kW
COP Tj = 12°C	8.28	6.78
Cdh Tj = +12 °C	0.969	0.973
Pdh Tj = Tbiv	8.85 kW	8.85 kW
COP Tj = Tbiv	3.19	2.02
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	2.72	1.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.997
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	4166 kWh	5926 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	223 %	155 %
Prated	10 kW	10 kW
SCOP	5.66	3.96
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	2.83	1.78
Cdh Tj = +2 °C	0.996	0.997
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	5.01	3.34
Cdh Tj = +7 °C	0.988	0.992
Pdh Tj = 12°C	3.98 kW	3.69 kW
COP Tj = 12°C	7.15	5.32
Cdh Tj = +12 °C	0.973	0.978
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.83	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	1.78
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	0.997
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
Annual energy consumption Qhe	2362 kWh	3375 kWh

Model PUZ-WM112YAA(-BS) + EHPT30X-*M*E	
Model name	PUZ-WM112YAA(-BS) + EHPT30X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	112 %
COP	2.74
Heating up time	2:57 h:min
Standby power input	47.7 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	137 %
COP	3.33
Heating up time	2:28 h:min
Standby power input	44.1 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	9 kW	9 kW
El input	1.91 kW	3.13 kW
COP	4.7	2.88

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	134 %
Prated	10 kW	10 kW
SCOP	4.86	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.19	2.02
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.72	3.17
Cdh Tj = +2 °C	0.981	0.987
Pdh Tj = +7°C	3.59 kW	3.67 kW
COP Tj = +7°C	6.73	5.46
Cdh Tj = +7 °C	0.959	0.967
Pdh Tj = 12°C	4.01 kW	3.78 kW
COP Tj = 12°C	8.28	6.78
Cdh Tj = +12 °C	0.955	0.961
Pdh Tj = Tbiv	8.85 kW	8.85 kW
COP Tj = Tbiv	3.19	2.02
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	2.72	1.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
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	4254 kWh	6013 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	213 %	150 %
Prated	10 kW	10 kW
SCOP	5.41	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	2.83	1.78
Cdh Tj = +2 °C	0.994	0.996
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	5.01	3.34
Cdh Tj = +7 °C	0.983	0.989
Pdh Tj = 12°C	3.98 kW	3.69 kW
COP Tj = 12°C	7.15	5.32
Cdh Tj = +12 °C	0.96	0.968
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.83	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	1.78
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
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	0 kW	0 kW
Annual energy consumption Qhe	2470 kWh	3482 kWh

Model PUZ-WM112YAA(-BS) + ERPT30X-*M*E

Model name	PUZ-WM112YAA(-BS) + ERPT30X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	112 %
COP	2.74
Heating up time	2:57 h:min
Standby power input	47.7 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency ηDHW	137 %
COP	3.33
Heating up time	2:28 h:min
Standby power input	44.1 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9 kW	9 kW
El input	1.91 kW	3.13 kW
COP	4.7	2.88

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	10 kW	10 kW
SCOP	4.95	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.19	2.02
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.72	3.17
Cdh Tj = +2 °C	0.981	0.987
Pdh Tj = +7°C	3.59 kW	3.67 kW
COP Tj = +7°C	6.73	5.46
Cdh Tj = +7 °C	0.959	0.967
Pdh Tj = 12°C	4.01 kW	3.78 kW
COP Tj = 12°C	8.28	6.78
Cdh Tj = +12 °C	0.955	0.961
Pdh Tj = Tbiv	8.85 kW	8.85 kW
COP Tj = Tbiv	3.19	2.02
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	2.72	1.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
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	4173 kWh	5933 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	222 %	155 %
Prated	10 kW	10 kW
SCOP	5.63	3.95
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10 kW	10 kW
COP Tj = +2°C	2.83	1.78
Cdh Tj = +2 °C	0.994	0.996
Pdh Tj = +7°C	6.4 kW	6.4 kW
COP Tj = +7°C	5.01	3.34
Cdh Tj = +7 °C	0.983	0.989
Pdh Tj = 12°C	3.98 kW	3.69 kW
COP Tj = 12°C	7.15	5.32
Cdh Tj = +12 °C	0.96	0.968
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.83	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	1.78
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
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	0 kW	0 kW
Annual energy consumption Qhe	2373 kWh	3384 kWh