Subtype Ecodan Power Inverter 9-300D 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 9-300D Packaged AA
Registration number	037-0036-20
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.2 kg
Certification Date	19.12.2023
Testing basis	HP Keymark scheme rules rev. no. 6
Testing laboratory	SZU Brno, CZ

Model PUZ-WM85VAA(-BS) + EHPT30X-*M*D

Model name	PUZ-WM85VAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	193 %	139 %
Prated	8.5 kW	8.5 kW
SCOP	4.89	3.54
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.71	3.42
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.81	5
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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
Annual energy consumption Qhe	3592 kWh	4958 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	227 %	156 %
Prated	8.5 kW	8.5 kW
SCOP	5.76	3.98
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	5	3.28
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.77	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1972 kWh	2852 kWh

Model PUZ-WM85VAA(-BS) + EHPT30X-M*D

Model name	PUZ-WM85VAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	193 %	139 %
Prated	8.5 kW	8.5 kW
SCOP	4.89	3.54
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.71	3.42
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.81	5
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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
Annual energy consumption Qhe	3592 kWh	4958 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	227 %	156 %
Prated	8.5 kW	8.5 kW
SCOP	5.76	3.98
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	5	3.28
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.77	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1972 kWh	2852 kWh

Model PUZ-WM85VAA(-BS) + ERPT30X-*M*D

Model name	PUZ-WM85VAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	197 %	141 %
Prated	8.5 kW	8.5 kW
SCOP	5	3.6
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.77	3.45
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.81	5
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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
Annual energy consumption Qhe	3515 kWh	4881 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	234 %	159 %
Prated	8.5 kW	8.5 kW
SCOP	5.92	4.05
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	4.92	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.77	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1920 kWh	2802 kWh

Model PUZ-WM85YAA(-BS) + EHPT30X-*M*D

Model name	PUZ-WM85YAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	190 %	138 %
Prated	8.5 kW	8.5 kW
SCOP	4.84	3.52
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.69	3.42
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.82	5
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3632 kWh	4994 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	224 %	155 %
Prated	8.5 kW	8.5 kW
SCOP	5.69	3.94
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	5.1	3.31
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.78	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1997 kWh	2882 kWh

Model PUZ-WM85YAA(-BS) + EHPT30X-M*D

Model name	PUZ-WM85YAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	190 %	138 %
Prated	8.5 kW	8.5 kW
SCOP	4.84	3.52
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.69	3.42
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.82	5
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3632 kWh	4994 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	224 %	155 %
Prated	8.5 kW	8.5 kW
SCOP	5.69	3.94
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	5.1	3.22
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.78	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1997 kWh	2882 kWh

Model PUZ-WM85YAA(-BS) + ERPT30X-*M*D	
Model name	PUZ-WM85YAA(-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	2.89
Heating up time	04:02 h:min
Standby power input	42 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	8.5 kW	8.5 kW
El input	1.77 kW	3.01 kW
COP	4.8	2.82

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	197 %	141 %
Prated	8.5 kW	8.5 kW
SCOP	5	3.6
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.5 kW	7.5 kW
COP Tj = -7°C	3.1	2.07
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.6 kW	4.6 kW
COP Tj = +2°C	4.79	3.46
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.2 kW	3.7 kW
COP Tj = +7°C	6.81	5
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	3.2 kW	3.4 kW
COP Tj = 12°C	9.14	7.08
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	3.1	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	7.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	2.01
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	1.32 kW	1.32 kW
Annual energy consumption Qhe	3514 kWh	4884 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature

ηs	234 %	159 %
Prated	8.5 kW	8.5 kW
SCOP	5.91	4.05
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.51	1.88
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	5.5 kW	5.5 kW
COP Tj = +7°C	4.98	3.26
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.6 kW	3.4 kW
COP Tj = 12°C	7.78	5.76
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.51	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.51	1.88
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	1920 kWh	2805 kWh

Model PUZ-WM85VAA(-BS) + EHPT30X-*M*E	
Model name	PUZ-WM85VAA(-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	113 %
COP	2.76
Heating up time	3:57 h:min
Standby power input	46.7 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	134 %
COP	3.25
Heating up time	3:16 h:min
Standby power input	43.7 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	6.5 kW	6.5 kW
El input	1.33 kW	2.24 kW
COP	4.9	2.9

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	192 %	140 %
Prated	8.5 kW	8.5 kW
SCOP	4.86	3.56
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	7.52 kW
COP Tj = -7°C	3.3	2.18
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.64 kW	4.57 kW
COP Tj = +2°C	4.9	3.5
Cdh Tj = +2 °C	0.984	0.989
Pdh Tj = +7°C	3.18 kW	3.78 kW
COP Tj = +7°C	5.84	4.7
Cdh Tj = +7 °C	0.972	0.981
Pdh Tj = 12°C	3.2 kW	3.78 kW
COP Tj = 12°C	8.79	6.98
Cdh Tj = +12 °C	0.959	0.972
Pdh Tj = Tbiv	7.52 kW	7.52 kW
COP Tj = Tbiv	3.3	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.2 kW	7.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
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	1.3 kW	1.3 kW
Annual energy consumption Qhe	3611 kWh	4927 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	229 %	157 %
Prated	8.5 kW	8.5 kW
SCOP	5.81	4
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	2.95	1.98
Cdh Tj = +2 °C	0.995	0.997
Pdh Tj = +7°C	5.5 kW	5.46 kW
COP Tj = +7°C	5.09	3.33
Cdh Tj = +7 °C	0.986	0.991
Pdh Tj = 12°C	3.38 kW	3.78 kW
COP Tj = 12°C	8.02	5.69
Cdh Tj = +12 °C	0.964	0.977
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	2.95	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.98
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	0 kW	0 kW
Annual energy consumption Qhe	1956 kWh	2839 kWh

Model PUZ-WM85VAA(-BS) + ERPT30X-*M*E	
Model name	PUZ-WM85VAA(-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	113 %
COP	2.76
Heating up time	3:57 h:min
Standby power input	46.7 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	134 %
COP	3.25
Heating up time	3:16 h:min
Standby power input	43.7 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	6.5 kW	6.5 kW
El input	1.33 kW	2.24 kW
COP	4.9	2.9

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	141 %
Prated	8.5 kW	8.5 kW
SCOP	4.94	3.6
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	7.52 kW
COP Tj = -7°C	3.3	2.18
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.64 kW	4.57 kW
COP Tj = +2°C	4.9	3.5
Cdh Tj = +2 °C	0.984	0.989
Pdh Tj = +7°C	3.18 kW	3.78 kW
COP Tj = +7°C	5.84	4.7
Cdh Tj = +7 °C	0.972	0.981
Pdh Tj = 12°C	3.2 kW	3.78 kW
COP Tj = 12°C	8.79	6.98
Cdh Tj = +12 °C	0.959	0.972
Pdh Tj = Tbiv	7.52 kW	7.52 kW
COP Tj = Tbiv	3.3	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.2 kW	7.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
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	1.3 kW	1.3 kW
Annual energy consumption Qhe	3556 kWh	4872 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	161 %
Prated	8.5 kW	8.5 kW
SCOP	6.01	4.1
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	2.95	1.98
Cdh Tj = +2 °C	0.995	0.997
Pdh Tj = +7°C	5.5 kW	5.46 kW
COP Tj = +7°C	5.09	3.33
Cdh Tj = +7 °C	0.986	0.991
Pdh Tj = 12°C	3.38 kW	3.78 kW
COP Tj = 12°C	8.02	5.69
Cdh Tj = +12 °C	0.964	0.977
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	2.95	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.98
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	0 kW	0 kW
Annual energy consumption Qhe	1890 kWh	2772 kWh

Model PUZ-WM85YAA(-BS) + EHPT30X-*M*E	
Model name	PUZ-WM85YAA(-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	113 %
COP	2.76
Heating up time	3:57 h:min
Standby power input	46.7 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	134 %
COP	3.25
Heating up time	3:16 h:min
Standby power input	43.7 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	6.5 kW	6.5 kW
El input	1.33 kW	2.24 kW
COP	4.9	2.9

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	190 %	139 %
Prated	8.5 kW	8.5 kW
SCOP	4.82	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	7.52 kW
COP Tj = -7°C	3.3	2.18
Cdh Tj = -7 °C	0.99	0.994
Pdh Tj = +2°C	4.64 kW	4.57 kW
COP Tj = +2°C	4.9	3.5
Cdh Tj = +2 °C	0.977	0.983
Pdh Tj = +7°C	3.18 kW	3.78 kW
COP Tj = +7°C	5.84	4.7
Cdh Tj = +7 °C	0.96	0.973
Pdh Tj = 12°C	3.2 kW	3.78 kW
COP Tj = 12°C	8.79	6.98
Cdh Tj = +12 °C	0.94	0.959
Pdh Tj = Tbiv	7.52 kW	7.52 kW
COP Tj = Tbiv	3.3	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.2 kW	7.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
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	1.3 kW	1.3 kW
Annual energy consumption Qhe	3644 kWh	4964 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	224 %	155 %
Prated	8.5 kW	8.5 kW
SCOP	5.69	3.94
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	2.95	1.98
Cdh Tj = +2 °C	0.992	0.995
Pdh Tj = +7°C	5.5 kW	5.46 kW
COP Tj = +7°C	5.09	3.33
Cdh Tj = +7 °C	0.98	0.987
Pdh Tj = 12°C	3.38 kW	3.78 kW
COP Tj = 12°C	8.02	5.69
Cdh Tj = +12 °C	0.948	0.967
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	2.95	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.995
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	1997 kWh	2881 kWh

Model PUZ-WM85YAA(-BS) + ERPT30X-*M*E	
Model name	PUZ-WM85YAA(-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	113 %
COP	2.76
Heating up time	3:57 h:min
Standby power input	46.7 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	134 %
COP	3.25
Heating up time	3:16 h:min
Standby power input	43.7 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	6.5 kW	6.5 kW
El input	1.33 kW	2.24 kW
COP	4.9	2.9

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	194 %	141 %
Prated	8.5 kW	8.5 kW
SCOP	4.93	3.6
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	7.52 kW
COP Tj = -7°C	3.3	2.18
Cdh Tj = -7 °C	0.99	0.994
Pdh Tj = +2°C	4.64 kW	4.57 kW
COP Tj = +2°C	4.9	3.5
Cdh Tj = +2 °C	0.977	0.983
Pdh Tj = +7°C	3.18 kW	3.78 kW
COP Tj = +7°C	5.84	4.7
Cdh Tj = +7 °C	0.96	0.973
Pdh Tj = 12°C	3.2 kW	3.78 kW
COP Tj = 12°C	8.79	6.98
Cdh Tj = +12 °C	0.94	0.959
Pdh Tj = Tbiv	7.52 kW	7.52 kW
COP Tj = Tbiv	3.3	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.2 kW	7.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
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	1.3 kW	1.3 kW
Annual energy consumption Qhe	3563 kWh	4883 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	236 %	160 %
Prated	8.5 kW	8.5 kW
SCOP	5.98	4.08
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	2.95	1.98
Cdh Tj = +2 °C	0.992	0.995
Pdh Tj = +7°C	5.5 kW	5.46 kW
COP Tj = +7°C	5.09	3.33
Cdh Tj = +7 °C	0.98	0.987
Pdh Tj = 12°C	3.38 kW	3.78 kW
COP Tj = 12°C	8.02	5.69
Cdh Tj = +12 °C	0.948	0.967
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	2.95	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.995
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	1900 kWh	2784 kWh