Subtype Ecodan Power Inverter 8.5/9-170E Packaged R290

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 8.5/9-170E Packaged R290
Registration number	037-0158-25
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.6 kg
Certification Date	25.02.2025
Testing basis	HP Keymark certification scheme rules rev. no.13
Testing laboratory	SZU Brno, CZ

Model PUZ-WZ85VAA(-BS) + EHPT17X-*M*E	
Model name	PUZ-WZ85VAA(-BS) + EHPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	5.31 kW	8.5 kW
El input	1.11 kW	2.91 kW
COP	4.8	2.92

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	141 %

Prated	8 kW	8 kW
SCOP	4.54	3.59
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3640 kWh	4604 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	222 %	171 %
Prated	8 kW	8 kW
SCOP	5.62	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW

COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1902 kWh	2453 kWh

Model PUZ-WZ85VAA(-BS) + ERPT17X-*M*E	
Model name	PUZ-WZ85VAA(-BS) + ERPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	5.31 kW	8.5 kW
El input	1.11 kW	2.91 kW
COP	4.8	2.92

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	1.52 kW	1.08 kW
Cooling capacity	5	5
EER	3.3	4.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	143 %
Prated	8 kW	8 kW
SCOP	4.64	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3559 kWh	4524 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	178 %
Prated	8 kW	8 kW
SCOP	5.92	4.54
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW
COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1805 kWh	2356 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	5 kW	5 kW
SEER	4.12	5.64
Pdc Tj = 35°C	5 kW	5 kW
EER Tj = 35°C	3.3	4.61
Cdc Tj = 35 °C	0.985	0.98
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.38	5.53
Cdc Tj = 30 °C	0.974	0.967
Pdc Tj = 25°C	3.13 kW	3.96 kW
EER Tj = 25°C	4.55	6.81
Cdc Tj = 25 °C	0.968	0.962
Pdc Tj = 20°C	2.93 kW	4.2 kW

EER Tj = 20°C	4.92	7.46
Cdc Tj = 20 °C	0.963	0.961
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	729 kWh	532 kWh

Model PUZ-WZ85YAA(-BS) + EHPT17X-*M*E	
Model name	PUZ-WZ85YAA(-BS) + EHPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	5.31 kW	8.5 kW
El input	1.11 kW	2.91 kW
COP	4.8	2.92

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	141 %

Prated	8 kW	8 kW
SCOP	4.54	3.59
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3640 kWh	4604 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	222 %	171 %
Prated	8 kW	8 kW
SCOP	5.62	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW

COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1902 kWh	2453 kWh

Model PUZ-WZ85YAA(-BS) + ERPT17X-*M*E	
Model name	PUZ-WZ85YAA(-BS) + ERPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	5.31 kW	8.5 kW
El input	1.11 kW	2.91 kW
COP	4.8	2.92

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	1.52 kW	1.08 kW
Cooling capacity	5	5
EER	3.3	4.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	143 %
Prated	8 kW	8 kW
SCOP	4.64	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3559 kWh	4524 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	178 %
Prated	8 kW	8 kW
SCOP	5.92	4.54
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW
COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1805 kWh	2356 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	5 kW	5 kW
SEER	4.12	5.64
Pdc Tj = 35°C	5 kW	5 kW
EER Tj = 35°C	3.3	4.61
Cdc Tj = 35 °C	0.985	0.98
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.38	5.53
Cdc Tj = 30 °C	0.974	0.967
Pdc Tj = 25°C	3.13 kW	3.96 kW
EER Tj = 25°C	4.55	6.81
Cdc Tj = 25 °C	0.968	0.962
Pdc Tj = 20°C	2.93 kW	4.2 kW

EER Tj = 20°C	4.92	7.46
Cdc Tj = 20 °C	0.963	0.961
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	729 kWh	532 kWh

Model PUZ-WZ90VAA-W(-BS) + ERPT17X-*M*E

Model name	PUZ-WZ90VAA-W(-BS) + ERPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	1.97 kW	2.91 kW
COP	4.32	2.92

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.52 kW	1.08 kW
Cooling capacity	5	5
EER	3.3	4.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	143 %
Prated	8 kW	8 kW
SCOP	4.64	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3559 kWh	4524 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	178 %
Prated	8 kW	8 kW
SCOP	5.92	4.54
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW
COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1805 kWh	2356 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	5 kW	5 kW
SEER	4.12	5.64
Pdc Tj = 35°C	5 kW	5 kW
EER Tj = 35°C	3.3	4.61
Cdc Tj = 35 °C	0.985	0.98
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.38	5.53
Cdc Tj = 30 °C	0.974	0.967
Pdc Tj = 25°C	3.13 kW	3.96 kW
EER Tj = 25°C	4.55	6.81
Cdc Tj = 25 °C	0.968	0.962
Pdc Tj = 20°C	2.93 kW	4.2 kW

EER Tj = 20°C	4.92	7.46
Cdc Tj = 20 °C	0.963	0.961
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	729 kWh	532 kWh

Model PUZ-WZ90YAA-W(-BS) + ERPT17X-*M*E	
Model name	PUZ-WZ90YAA-W(-BS) + ERPT17X-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	L
Efficiency ηDHW	121 %
COP	2.86
Heating up time	2:16 h:min
Standby power input	44 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 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	1.97 kW	2.91 kW
COP	4.32	2.92

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	1.52 kW	1.08 kW
Cooling capacity	5	5
EER	3.3	4.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	143 %
Prated	8 kW	8 kW
SCOP	4.64	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.96	2.17
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.67	3.51
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	3.5 kW	3.5 kW
COP Tj = +7°C	5.84	5.12
Cdh Tj = +7 °C	0.963	0.968
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	7.1	6.51
Cdh Tj = +12 °C	0.955	0.959
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.96	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.5 kW	7.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	75 °C	75 °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	0.5 kW	0.5 kW
Annual energy consumption Qhe	3559 kWh	4524 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	178 %
Prated	8 kW	8 kW
SCOP	5.92	4.54
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8 kW	8 kW
COP Tj = +2°C	3.3	2.24
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	5.14 kW	5.14 kW
COP Tj = +7°C	5.98	3.99
Cdh Tj = +7 °C	0.974	0.983
Pdh Tj = 12°C	3.5 kW	3.5 kW
COP Tj = 12°C	6.64	5.87
Cdh Tj = +12 °C	0.958	0.963
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	3.3	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °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	1805 kWh	2356 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	5 kW	5 kW
SEER	4.12	5.64
Pdc Tj = 35°C	5 kW	5 kW
EER Tj = 35°C	3.3	4.61
Cdc Tj = 35 °C	0.985	0.98
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.38	5.53
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Pdc Tj = 25°C	3.13 kW	3.96 kW
EER Tj = 25°C	4.55	6.81
Cdc Tj = 25 °C	0.968	0.962
Pdc Tj = 20°C	2.93 kW	4.2 kW

EER Tj = 20°C	4.92	7.46
Cdc Tj = 20 °C	0.963	0.961
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	729 kWh	532 kWh