Subtype Ecodan Power Inverter 10 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 10 AA
Registration number	037-0050-20
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.2 kg
Certification Date	09.04.2020
Testing basis	HP Keymark scheme rules rev. no. 7

Model PUHZ-SW100VAA(-BS) + EHSC-M*C	
Model name	PUHZ-SW100VAA(-BS) + EHSC-M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	167 %	130 %
Prated	10.6 kW	10 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.97	0.98
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.16	3.2
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5156 kWh	6204 kWh

Model PUHZ-SW100VAA(-BS) + EHSC-*M*C	
Model name	PUHZ-SW100VAA(-BS) + EHSC-*M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	167 %	130 %
Prated	10.6 kW	10 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.97	0.98
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.16	3.2
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5156 kWh	6204 kWh

Model PUHZ-SW100VAA(-BS) + EHST20C-M*C	
Model name	PUHZ-SW100VAA(-BS) + EHST20C-M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	42 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + EHST20C-*M*C	
Model name	PUHZ-SW100VAA(-BS) + EHST20C-*M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	42 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + ERSC-M*C	
Model name	PUHZ-SW100VAA(-BS) + ERSC-M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	170 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.32	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.97	0.98
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5070 kWh	6130 kWh

Model PUHZ-SW100VAA(-BS) + ERSC-*M*C	
Model name	PUHZ-SW100VAA(-BS) + ERSC-*M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	170 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.32	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.97	0.98
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5070 kWh	6130 kWh

Model PUHZ-SW100VAA(-BS) + ERST20C-M*C	
Model name	PUHZ-SW100VAA(-BS) + ERST20C-M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	42 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + ERST20C-*M*C	
Model name	PUHZ-SW100VAA(-BS) + ERST20C-*M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	42 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + EHSC-M*C	
Model name	PUHZ-SW100YAA(-BS) + EHSC-M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	165 %	129 %
Prated	10.6 kW	10 kW
SCOP	4.21	3.3
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.14	3.18
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5204 kWh	6262 kWh

Model PUHZ-SW100YAA(-BS) + EHSC-*M*C	
Model name	PUHZ-SW100YAA(-BS) + EHSC-*M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	165 %	129 %
Prated	10.6 kW	10 kW
SCOP	4.21	3.3
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.14	3.18
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5204 kWh	6262 kWh

Model PUHZ-SW100YAA(-BS) + EHST20C-M*C	
Model name	PUHZ-SW100YAA(-BS) + EHST20C-M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	46 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + EHST20C-*M*C	
Model name	PUHZ-SW100YAA(-BS) + EHST20C-*M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	46 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + ERSC-M*C	
Model name	PUHZ-SW100YAA(-BS) + ERSC-M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	169 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.31	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.2	3.22
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5086 kWh	6141 kWh

Model PUHZ-SW100YAA(-BS) + ERSC-*M*C	
Model name	PUHZ-SW100YAA(-BS) + ERSC-*M*C
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	169 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.31	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.2	3.22
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5086 kWh	6141 kWh

Model PUHZ-SW100YAA(-BS) + ERST20C-M*C	
Model name	PUHZ-SW100YAA(-BS) + ERST20C-M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	46 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + ERST20C-*M*C	
Model name	PUHZ-SW100YAA(-BS) + ERST20C-*M*C
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	103 %
COP	2.45
Heating up time	01:57 h:min
Standby power input	46 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + EHST20C-M*D	
Model name	PUHZ-SW100VAA(-BS) + EHST20C-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + EHST20C-M*D	
Model name	PUHZ-SW100YAA(-BS) + EHST20C-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + EHST20C-*M*D	
Model name	PUHZ-SW100YAA(-BS) + EHST20C-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + EHSC-M*D	
Model name	PUHZ-SW100YAA(-BS) + EHSC-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	165 %	129 %
Prated	10.6 kW	10 kW
SCOP	4.21	3.3
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.14	3.18
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5204 kWh	6262 kWh

Model PUHZ-SW100YAA(-BS) + EHSC-*M*D	
Model name	PUHZ-SW100YAA(-BS) + EHSC-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	165 %	129 %
Prated	10.6 kW	10 kW
SCOP	4.21	3.3
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.14	3.18
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5204 kWh	6262 kWh

Model PUHZ-SW100YAA(-BS) + ERST20C-*M*D	
Model name	PUHZ-SW100YAA(-BS) + ERST20C-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100YAA(-BS) + ERSC-M*D	
Model name	PUHZ-SW100YAA(-BS) + ERSC-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	169 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.31	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.2	3.22
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5086 kWh	6141 kWh

Model PUHZ-SW100YAA(-BS) + ERSC-*M*D	
Model name	PUHZ-SW100YAA(-BS) + ERSC-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	169 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.31	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.2	3.22
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.96	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5086 kWh	6141 kWh

Model PUHZ-SW100VAA(-BS) + EHST20C-*M*D	
Model name	PUHZ-SW100VAA(-BS) + EHST20C-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + EHSC-M*D	
Model name	PUHZ-SW100VAA(-BS) + EHSC-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	167 %	130 %
Prated	10.6 kW	10 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.16	3.2
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5156 kWh	6204 kWh

Model PUHZ-SW100VAA(-BS) + EHSC-*M*D	
Model name	PUHZ-SW100VAA(-BS) + EHSC-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	167 %	130 %
Prated	10.6 kW	10 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.16	3.2
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW
COP Tj = Tbiv	2.75	1.95

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5156 kWh	6204 kWh

Model PUHZ-SW100VAA(-BS) + ERST20C-*M*D	
Model name	PUHZ-SW100VAA(-BS) + ERST20C-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	L
Efficiency ηDHW	145 %
COP	3.41
Heating up time	01:58 h:min
Standby power input	35 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model PUHZ-SW100VAA(-BS) + ERSC-M*D	
Model name	PUHZ-SW100VAA(-BS) + ERSC-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	170 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.32	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5070 kWh	6130 kWh

Model PUHZ-SW100VAA(-BS) + ERSC-*M*D	
Model name	PUHZ-SW100VAA(-BS) + ERSC-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 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 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	170 %	132 %
Prated	10.6 kW	10 kW
SCOP	4.32	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.4 kW	8.9 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	5.7 kW	5.4 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.5 kW	4.7 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	4.3 kW	5.3 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.4 kW	8.9 kW

COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.96 kW	8.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.44	1.84
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	1.64 kW	1.42 kW
Annual energy consumption Qhe	5070 kWh	6130 kWh