This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Ecodan Power Inverter 8 AA	Reg. No.	037-0056-20
Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Europe LTD		
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ
City	Livingston	Country	United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Name of testing laboratory	CETIAT		
Subtype title	Ecodan Power Inverter 8 AA		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3 kg		
Certification Date	09.04.2020		
Testing basis	HP Keymark scheme rules rev. no. 7		

Model: PUHZ-SW75VAA(-BS) + EHSD-M*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	162 %	129 %
Prated	7.20 kW	7.10 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.95	0.96
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.95	0.96
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.95	0.96

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Model: PUHZ-SW75VAA(-BS) + EHSD-VM*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	162 %	129 %
Prated	7.20 kW	7.10 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.95	0.96
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.95	0.96
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.95	0.96

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Model: PUHZ-SW75VAA(-BS) + EHSD-YM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	162 %	129 %
Prated	7.20 kW	7.10 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.95	0.96
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.95	0.96
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.95	0.96

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Model: PUHZ-SW75VAA(-BS) + EHST20D-M*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	129 %
Prated	7.10 kW
SCOP	3.31
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75VAA(-BS) + EHST20D-VM*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	129 %
Prated	7.10 kW
SCOP	3.31
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75VAA(-BS) + EHST20D-YM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	129 %
Prated	7.10 kW
SCOP	3.31
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75VAA(-BS) + ERSD-VM*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	166 %	132 %
Prated	7.20 kW	7.10 kW
SCOP	4.22	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.95	0.96
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.95	0.96
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.95	0.96

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Model: PUHZ-SW75VAA(-BS) + ERST20D-M*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.37
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75VAA(-BS) + ERST20D-VM*C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.37
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75VAA(-BS) + EHST20D-VM*C2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	129 %
Prated	7.10 kW
SCOP	3.31
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Efficiency ηDHW	145 %
COP	3.41
Standby power input	29.0 W
Mixed water at 40°C	292 l

Model: PUHZ-SW75VAA(-BS) + ERST20D-VM*C2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.37
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.96
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.96
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.96

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.96
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	15 W
PTO	15 W
PSB	15 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4325 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Efficiency ηDHW	145 %
COP	3.41
Standby power input	29.0 W
Mixed water at 40°C	292 l

Model: PUHZ-SW75YAA(-BS) + EHSD-M*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	160 %	128 %
Prated	7.20 kW	7.10 kW
SCOP	4.07	3.28
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.94	0.95
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.94	0.95
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.94	0.95

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.94	0.95
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

Model: PUHZ-SW75YAA(-BS) + EHSD-VM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	160 %	128 %
Prated	7.20 kW	7.10 kW
SCOP	4.07	3.28
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.94	0.95
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.94	0.95
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.94	0.95

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.94	0.95
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

Model: PUHZ-SW75YAA(-BS) + EHSD-YM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	160 %	128 %
Prated	7.20 kW	7.10 kW
SCOP	4.07	3.28
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.94	0.95
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.94	0.95
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.94	0.95

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.94	0.95
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

Model: PUHZ-SW75YAA(-BS) + EHST20D-M*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	128 %
Prated	7.10 kW
SCOP	3.28
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l
Standby power input	42.0 W

Model: PUHZ-SW75YAA(-BS) + EHST20D-VM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	128 %
Prated	7.10 kW
SCOP	3.28
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l
Standby power input	42.0 W

Model: PUHZ-SW75YAA(-BS) + EHST20D-YM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	128 %
Prated	7.10 kW
SCOP	3.28
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l
Standby power input	42.0 W

Model: PUHZ-SW75YAA(-BS) + ERSD-VM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
COP	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	165 %	132 %
Prated	7.20 kW	7.10 kW
SCOP	4.20	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.43	2.04
Cdh	0.94	0.95
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.94	0.95
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.94	0.95

Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.93	6.10
Cdh	0.94	0.95
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL	5.60 kW	5.60 kW
COP Tj = TOL	1.30	1.37
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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

Model: PUHZ-SW75YAA(-BS) + ERST20D-M*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.36
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75YAA(-BS) + ERST20D-VM*C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.36
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	104 %
COP	2.46
Heating up time	2:28 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: PUHZ-SW75YAA(-BS) + EHST20D-VM*C2

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	128 %
Prated	7.10 kW
SCOP	3.28
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Efficiency ηDHW	145 %
COP	3.41
Mixed water at 40°C	292 l
Standby power input	35.0 W

Model: PUHZ-SW75YAA(-BS) + ERST20D-VM*C2

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	
El input	3.03 kW	
COP	2.64	
Indoor water flow rate	0.86 m³/h	

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

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	58 dB(A)

EN 14825	
	Medium temperature
η_s	132 %
Prated	7.10 kW
SCOP	3.36
Tbiv	-7 °C
TOL	-20 °C
Pdh Tj = -7°C	6.30 kW
COP Tj = -7°C	2.04
Cdh	0.95
Pdh Tj = +2°C	3.80 kW
COP Tj = +2°C	3.23
Cdh	0.95
Pdh Tj = +7°C	2.90 kW
COP Tj = +7°C	4.59
Cdh	0.95

Pdh Tj = 12°C	2.80 kW
COP Tj = 12°C	6.10
Cdh	0.95
Pdh Tj = Tbiv	6.30 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL	5.60 kW
COP Tj = TOL	1.37
WTOL	60 °C
Poff	22 W
PTO	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.00 kW
Annual energy consumption Qhe	4329 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Heating up time	2:28 h:min
Reference hot water temperature	52.5 °C
Efficiency ηDHW	145 %
COP	3.41
Mixed water at 40°C	292 l
Standby power input	35.0 W