

Login

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)			
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

Configure model		
Model name	PUHZ-SW75VAA(-BS) + EHSD-*M*C	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	8 kW
El input	1.82 kW	3.03 kW
СОР	4.4	2.64

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



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	7.2 kW	7.1 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.4 kW	6.3 kW
COP Tj = -7°C	2.43	2.04
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	3.9 kW	3.8 kW
COP Tj = +2°C	4.1	3.19
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	2.6 kW	2.9 kW
COP Tj = +7°C	5.62	4.59
Cdh Tj = +7 °C	0.968	0.976



	<u> </u>	
Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.962	0.967
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.98 kW	0.96 kW
Annual energy consumption Qhe	3607 kWh	4435 kWh



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

Configure model		
Model name	PUHZ-SW75VAA(-BS) + EHSD-M*C	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	8 kW
El input	1.82 kW	3.03 kW
СОР	4.4	2.64

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



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	7.2 kW	7.1 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.4 kW	6.3 kW
COP Tj = -7°C	2.43	2.04
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = $+2$ °C	3.9 kW	3.8 kW
COP Tj = +2°C	4.1	3.19
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = $+7^{\circ}$ C	2.6 kW	2.9 kW
COP Tj = +7°C	5.62	4.59
Cdh Tj = +7 °C	0.968	0.976



Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.962	0.967
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.98 kW	0.96 kW
Annual energy consumption Qhe	3607 kWh	4435 kWh



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

Configure model		
Model name PUHZ-SW75VAA(-BS) + EHST20D-*M*C		
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

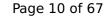
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

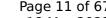
EN 14825		
	Low temperature	Medium temperature
η_{s}	129 %	
Prated	7.1 kW	_
SCOP	3.31	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4435 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.46
Heating up time	02:28 h:min
Standby power input	31 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278



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

Configure model	
Model name PUHZ-SW75VAA(-BS) + EHST20D-M*C	
Application	Heating + DHW
Units	Indoor + Outdoor
Climate Zone n/a	
Reversibility No	
Cooling mode application (optional) n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

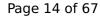
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8 kW		
El input	3.03 kW		
СОР	2.64		

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



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

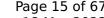
EN 14825		
	Low temperature	Medium temperature
η_{s}	129 %	
Prated	7.1 kW	_
SCOP	3.31	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4435 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	31 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



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

Configure model		
Model name PUHZ-SW75VAA(-BS) + ERSD-*M*C		
Application Heating (medium temp)		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8 kW	8 kW	
El input	1.82 kW	3.03 kW	
СОР	4.4	2.64	

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



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	7.2 kW	7.1 kW
SCOP	4.22	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.4 kW	6.3 kW
COP Tj = -7°C	2.43	2.04
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = $+2$ °C	3.9 kW	3.8 kW
COP Tj = +2°C	4.16	3.23
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	2.6 kW	2.9 kW
COP Tj = +7°C	5.62	4.59
Cdh Tj = +7 °C	0.968	0.976



Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.962	0.967
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
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	0.98 kW	0.96 kW
Annual energy consumption Qhe	3525 kWh	4352 kWh



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

Configure model		
Model name PUHZ-SW75VAA(-BS) + ERST20D-*M*C		
Application Heating + DHW		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

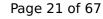
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

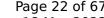
EN 14825		
	Low temperature	Medium temperature
η_{s}	132 %	
Prated	7.1 kW	
SCOP	3.37	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.23	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





	
Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4352 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	31 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



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

Configure model		
Model name PUHZ-SW75VAA(-BS) + ERST20D-M*C		
Application Heating + DHW		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

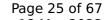
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

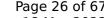
EN 14825		
	Low temperature	Medium temperature
η_{s}	132 %	
Prated	7.1 kW	
SCOP	3.37	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.23	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





	<u> </u>
Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4352 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	31 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	

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

Configure model		
Model name	PUHZ-SW75VAA(-BS) + EHST20D-*M*C2	
Application	lication Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

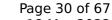
EN 14825		
	Low temperature	Medium temperature
η_{s}	129 %	
Prated	7.1 kW	_
SCOP	3.31	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4435 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	145 %	
СОР	3.41	
Heating up time	02:28 h:min	
Standby power input	29 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 l	



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

Configure model		
Model name	PUHZ-SW75VAA(-BS) + ERST20D-*M*C2	
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

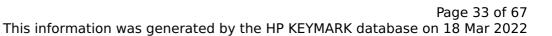
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

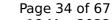
EN 14825		
	Low temperature	Medium temperature
η_{s}	132 %	
Prated	7.1 kW	
SCOP	3.37	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.995	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.23	
Cdh Tj = +2 °C	0.987	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.976	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.967
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	15 W
РТО	15 W
PSB	15 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4352 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	145 %	
СОР	3.41	
Heating up time	02:28 h:min	
Standby power input	29 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + EHSD-*M*C	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	8 kW	8 kW		
El input	1.82 kW	3.03 kW		
СОР	4.4	2.64		

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



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	7.2 kW	7.1 kW		
SCOP	4.07	3.28		
Tbiv	-7 °C	-7 °C		
TOL	-20 °C	-20 °C		
Pdh Tj = -7° C	6.4 kW	6.3 kW		
COP Tj = -7° C	2.43	2.04		
Cdh Tj = -7 °C	0.992	0.993		
Pdh Tj = $+2$ °C	3.9 kW	3.8 kW		
COP Tj = +2°C	4.07	3.19		
Cdh Tj = +2 °C	0.977	0.982		
Pdh Tj = $+7^{\circ}$ C	2.6 kW	2.9 kW		
COP Tj = +7°C	5.62	4.59		
Cdh Tj = +7 °C	0.952	0.965		



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Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.944	0.952
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.98 kW	0.96 kW
Annual energy consumption Qhe	3654 kWh	4470 kWh



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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + EHSD-M*C	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	8 kW
El input	1.82 kW	3.03 kW
СОР	4.4	2.64

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



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	7.2 kW	7.1 kW
SCOP	4.07	3.28
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	6.4 kW	6.3 kW
COP Tj = -7 °C	2.43	2.04
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = $+2$ °C	3.9 kW	3.8 kW
$COP Tj = +2^{\circ}C$	4.07	3.19
Cdh Tj = +2 °C	0.977	0.982
Pdh Tj = $+7^{\circ}$ C	2.6 kW	2.9 kW
$COP Tj = +7^{\circ}C$	5.62	4.59
Cdh Tj = +7 °C	0.952	0.965



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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.944	0.952
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.98 kW	0.96 kW
Annual energy consumption Qhe	3654 kWh	4470 kWh



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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + EHST20D-*M*C	
Application Heating + DHW		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

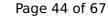
EN 14825		
	Low temperature	Medium temperature
η_{s}	128 %	
Prated	7.1 kW	_
SCOP	3.28	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.993	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.982	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.965	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4470 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	42 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + EHST20D-M*C	
Application Heating + DHW		
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

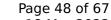
EN 14825		
	Low temperature	Medium temperature
η_{s}	128 %	
Prated	7.1 kW	_
SCOP	3.28	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.993	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.982	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.965	





	
Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4470 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	42 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



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

Configure model		
Model name PUHZ-SW75YAA(-BS) + ERSD-*M*C		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8 kW	8 kW	
El input	1.82 kW	3.03 kW	
СОР	4.4	2.64	

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



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	7.2 kW	7.1 kW
SCOP	4.2	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.4 kW	6.3 kW
COP Tj = -7°C	2.43	2.04
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = +2°C	3.9 kW	3.8 kW
COP Tj = +2°C	4.14	3.23
Cdh Tj = +2 °C	0.977	0.981
Pdh Tj = +7°C	2.6 kW	2.9 kW
COP Tj = +7°C	5.62	4.59
Cdh Tj = +7 °C	0.952	0.965



Pdh Tj = 12°C	3.1 kW	2.8 kW
COP Tj = 12°C	7.93	6.1
Cdh Tj = +12 °C	0.944	0.952
Pdh Tj = Tbiv	6.4 kW	6.3 kW
COP Tj = Tbiv	2.43	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.22 kW	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.98 kW	0.96 kW
Annual energy consumption Qhe	3542 kWh	4361 kWh



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

Configure model		
Model name PUHZ-SW75YAA(-BS) + ERST20D-*M*C		
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	e n/a	
Reversibility	rsibility	
Cooling mode application (optional) n/a		

General Data		
Power supply 3x400V 50Hz		

Heating

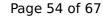
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

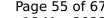
EN 14825		
	Low temperature	Medium temperature
η_{s}	132 %	
Prated	7.1 kW	
SCOP	3.36	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.993	
Pdh Tj = +2°C	3.8 kW	
$COP Tj = +2^{\circ}C$	3.23	
Cdh Tj = +2 °C	0.981	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.965	





	
Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4361 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	104 %	
СОР	2.46	
Heating up time	02:28 h:min	
Standby power input	42 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + ERST20D-M*C	
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

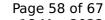
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

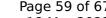
EN 14825		
	Low temperature	Medium temperature
η_{s}	132 %	
Prated	7.1 kW	
SCOP	3.36	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.993	
Pdh Tj = +2°C	3.8 kW	
$COP Tj = +2^{\circ}C$	3.23	
Cdh Tj = +2 °C	0.981	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.965	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
РСК	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4361 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	104 %
СОР	2.46
Heating up time	02:28 h:min
Standby power input	42 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278

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

Configure model		
Model name	PUHZ-SW75YAA(-BS) + EHST20D-*M*C2	
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

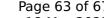
EN 14825		
	Low temperature	Medium temperature
η_{s}	128 %	
Prated	7.1 kW	
SCOP	3.28	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	6.3 kW	
COP Tj = -7°C	2.04	
Cdh Tj = -7 °C	0.993	
Pdh Tj = +2°C	3.8 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.982	
Pdh Tj = +7°C	2.9 kW	
COP Tj = +7°C	4.59	
Cdh Tj = +7 °C	0.965	





Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4470 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 63 of 67 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	145 %	
СОР	3.41	
Heating up time	02:28 h:min	
Standby power input	35 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



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

Configure model		
Model name PUHZ-SW75YAA(-BS) + ERST20D-*M*C2		
Application	ation Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	ate Zone n/a	
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	
El input	3.03 kW	
СОР	2.64	

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



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

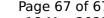
EN 14825			
	Low temperature	Medium temperature	
η_{s}	132 %		
Prated	7.1 kW		
SCOP	3.36		
Tbiv	-7 °C		
TOL	-20 °C		
Pdh Tj = -7°C	6.3 kW		
COP Tj = -7°C	2.04		
Cdh Tj = -7 °C	0.993		
Pdh Tj = +2°C	3.8 kW		
COP Tj = +2°C	3.23		
Cdh Tj = +2 °C	0.981		
Pdh Tj = +7°C	2.9 kW		
COP Tj = +7°C	4.59		
Cdh Tj = +7 °C	0.965		





	<u> </u>
Pdh Tj = 12°C	2.8 kW
COP Tj = 12°C	6.1
Cdh Tj = +12 °C	0.952
Pdh Tj = Tbiv	6.3 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.89
WTOL	60 °C
Poff	22 W
РТО	22 W
PSB	22 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.96 kW
Annual energy consumption Qhe	4361 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 67 of 67 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147			
Declared load profile	L		
Efficiency ηDHW	145 %		
СОР	3.41		
Heating up time	02:28 h:min		
Standby power input	35 W		
Reference hot water temperature	52.5 °C		
Mixed water at 40°C	292 I		