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Login

Summary of	Ecodan Power Inverter 10	Reg. No.	037-0049-20		
Certificate Holder	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 10				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R410A				
Mass of Refrigerant	4.6 kg				
Certification Date	09.04.2020				
Testing basis	HP Keymark scheme rules rev. no. 7				

Model: PUHZ-SW100VHA(-BS) + EHSC-*M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + EHSC-*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	11.2 kW	11.2 kW
El input	2.52 kW	4.46 kW
СОР	4.44	2.51

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	164 %	125 %
Prated	10.4 kW	10 kW
SCOP	4.16	3.2
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.98
Pdh Tj = +2°C	5.6 kW	5.4 kW
COP Tj = +2°C	4.19	3.16
Cdh Tj = +2 °C	0.989	0.98
Pdh Tj = +7°C	4.3 kW	3.9 kW
COP Tj = +7°C	5.51	4.37
Cdh Tj = +7 °C	0.98	0.98



Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.98
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
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	1.82 kW	1.65 kW
Annual energy consumption Qhe	5160 kWh	6451 kWh



Model: PUHZ-SW100VHA(-BS) + EHSC-M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + EHSC-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	11.2 kW	11.2 kW
El input	2.52 kW	4.46 kW
СОР	4.44	2.51

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 70 dB(A) 70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	164 %	125 %
Prated	10.4 kW	10 kW
SCOP	4.16	3.2
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.98
Pdh Tj = +2°C	5.6 kW	5.4 kW
COP Tj = +2°C	4.19	3.16
Cdh Tj = +2 °C	0.989	0.98
Pdh Tj = +7°C	4.3 kW	3.9 kW
COP Tj = +7°C	5.51	4.37
Cdh Tj = +7 °C	0.98	0.98



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Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.98
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.82 kW	1.65 kW
Annual energy consumption Qhe	5160 kWh	6451 kWh

Model: PUHZ-SW100VHA(-BS) + EHST20C-*M*C

Configure model		
Model name PUHZ-SW100VHA(-BS) + EHST20C-*M*C		
Application	Heating + DHW	
Units	Indoor + Outdoor	
limate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

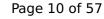
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	
El input	4.46 kW	
СОР	2.51	

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	70 dB(A)	

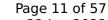
EN 14825		
	Low temperature	Medium temperature
η_{s}	125 %	
Prated	10 kW	
SCOP	3.2	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.16	
Cdh Tj = +2 °C	0.98	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.37	
Cdh Tj = +7 °C	0.98	





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Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.68
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	1.65 kW
Annual energy consumption Qhe	6451 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100VHA(-BS) + EHST20C-M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + EHST20C-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

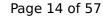
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	
El input	4.46 kW	
СОР	2.51	

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	70 dB(A)	

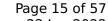
EN 14825		
	Low temperature	Medium temperature
η_{s}	125 %	
Prated	10 kW	_
SCOP	3.2	
Tbiv	-7 °C	_
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.16	
Cdh Tj = +2 °C	0.98	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.37	
Cdh Tj = +7 °C	0.98	





Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.68
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	1.65 kW
Annual energy consumption Qhe	6451 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100VHA(-BS) + ERSC-*M*C

Configure model		
Model name PUHZ-SW100VHA(-BS) + ERSC-*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	11.2 kW	11.2 kW
El input	2.52 kW	4.46 kW
СОР	4.44	2.51

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	166 %	127 %
Prated	10.4 kW	10 kW
SCOP	4.23	3.24
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.98
Pdh Tj = $+2$ °C	5.6 kW	5.4 kW
$COP Tj = +2^{\circ}C$	4.24	3.18
Cdh Tj = +2 °C	0.989	0.98
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.9 kW
COP Tj = +7°C	5.49	4.37
Cdh Tj = +7 °C	0.98	0.98



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Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.98
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.82 kW	1.65 kW
Annual energy consumption Qhe	5078 kWh	6375 kWh



Model: PUHZ-SW100VHA(-BS) + ERSC-M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + ERSC-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	11.2 kW	11.2 kW
El input	2.52 kW	4.46 kW
СОР	4.44	2.51

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	166 %	127 %
Prated	10.4 kW	10 kW
SCOP	4.23	3.24
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.98
Pdh Tj = $+2$ °C	5.6 kW	5.4 kW
$COP Tj = +2^{\circ}C$	4.24	3.18
Cdh Tj = +2 °C	0.989	0.98
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.9 kW
COP Tj = +7°C	5.49	4.37
Cdh Tj = +7 °C	0.98	0.98



Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.98
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.68
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.82 kW	1.65 kW
Annual energy consumption Qhe	5078 kWh	6375 kWh



Model: PUHZ-SW100VHA(-BS) + ERST20C-*M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + ERST20C-*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

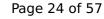
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	
El input	4.46 kW	
СОР	2.51	

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	70 dB(A)	

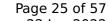
EN 14825		
	Low temperature	Medium temperature
η_{s}	127 %	
Prated	10 kW	
SCOP	3.24	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.18	
Cdh Tj = +2 °C	0.98	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.37	
Cdh Tj = +7 °C	0.98	





Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.68
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	1.65 kW
Annual energy consumption Qhe	6375 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100VHA(-BS) + ERST20C-M*C

Configure model		
Model name	PUHZ-SW100VHA(-BS) + ERST20C-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

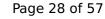
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.2 kW		
El input	4.46 kW		
СОР	2.51		

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	70 dB(A)		

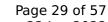
EN 14825		
	Low temperature	Medium temperature
η_{s}	127 %	
Prated	10 kW	
SCOP	3.24	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.18	
Cdh Tj = +2 °C	0.98	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.37	
Cdh Tj = +7 °C	0.98	





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Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.68
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	1.65 kW
Annual energy consumption Qhe	6375 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100YHA(-BS) + EHSC-*M*C

Configure model		
Model name PUHZ-SW100YHA(-BS) + EHSC-*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	11.2 kW	11.2 kW	
El input	2.52 kW	4.46 kW	
СОР	4.44	2.51	

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	125 %
Prated	10.4 kW	10 kW
SCOP	4.16	3.2
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.99
Pdh Tj = $+2$ °C	5.6 kW	5.4 kW
COP Tj = +2°C	4.23	3.19
Cdh Tj = +2 °C	0.989	0.99
Pdh Tj = +7°C	4.3 kW	3.9 kW
COP Tj = +7°C	5.54	4.39
Cdh Tj = +7 °C	0.981	0.99



Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.99
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.7
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.82 kW	1.65 kW
Annual energy consumption Qhe	5166 kWh	6449 kWh



Model: PUHZ-SW100YHA(-BS) + EHSC-M*C

Configure model		
Model name PUHZ-SW100YHA(-BS) + EHSC-M*C		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	ng mode application (optional) n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	11.2 kW	11.2 kW	
El input	2.52 kW	4.46 kW	
СОР	4.44	2.51	

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	70 dB(A)	70 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{S}	163 %	125 %	
Prated	10.4 kW	10 kW	
SCOP	4.16	3.2	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	9.2 kW	8.9 kW	
COP Tj = -7°C	2.47	1.79	
Cdh Tj = -7 °C	0.996	0.99	
Pdh Tj = $+2$ °C	5.6 kW	5.4 kW	
COP Tj = +2°C	4.23	3.19	
Cdh Tj = +2 °C	0.989	0.99	
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.9 kW	
COP Tj = +7°C	5.54	4.39	
Cdh Tj = +7 °C	0.981	0.99	



Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.99
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.7
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1.82 kW	1.65 kW
Annual energy consumption Qhe	5166 kWh	6449 kWh



Model: PUHZ-SW100YHA(-BS) + EHST20C-*M*C

Configure model			
Model name	PUHZ-SW100YHA(-BS) + EHST20C-*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

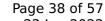
EN 14511-2				
	Low temperature	Medium temperature		
Heat output	11.2 kW			
El input	4.46 kW			
СОР	2.51			

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	70 dB(A)	

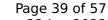
EN 14825		
	Low temperature	Medium temperature
η_{s}	125 %	
Prated	10 kW	
SCOP	3.2	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.99	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.99	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.39	
Cdh Tj = +7 °C	0.99	





Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.99
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.7
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	1.65 kW
Annual energy consumption Qhe	6449 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100YHA(-BS) + EHST20C-M*C

Configure model		
Model name	PUHZ-SW100YHA(-BS) + EHST20C-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	11.2 kW	
El input	4.46 kW	
СОР	2.51	

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	70 dB(A)	

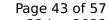
EN 14825		
	Low temperature	Medium temperature
η_{s}	125 %	
Prated	10 kW	
SCOP	3.2	
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.99	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.99	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.39	
Cdh Tj = +7 °C	0.99	





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Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.99
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.7
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	1.65 kW
Annual energy consumption Qhe	6449 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.48	
Heating up time	01:46 h:min	
Standby power input	36 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	292 I	



Model: PUHZ-SW100YHA(-BS) + ERSC-*M*C

Configure model		
Model name PUHZ-SW100YHA(-BS) + ERSC-*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	11.2 kW	11.2 kW	
El input	2.52 kW	4.46 kW	
СОР	4.44	2.51	

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	166 %	127 %
Prated	10.4 kW	10 kW
SCOP	4.23	3.24
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.99
Pdh Tj = $+2$ °C	5.6 kW	5.4 kW
COP Tj = +2°C	4.24	3.19
Cdh Tj = +2 °C	0.989	0.99
Pdh Tj = $+7^{\circ}$ C	4.3 kW	3.9 kW
COP Tj = +7°C	5.54	4.39
Cdh Tj = +7 °C	0.981	0.99



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Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.99
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.7
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	1.82 kW	1.65 kW
Annual energy consumption Qhe	5079 kWh	6369 kWh



Model: PUHZ-SW100YHA(-BS) + ERSC-M*C

Configure model		
Model name PUHZ-SW100YHA(-BS) + ERSC-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	11.2 kW	11.2 kW		
El input	2.52 kW	4.46 kW		
СОР	4.44	2.51		

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	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	166 %	127 %
Prated	10.4 kW	10 kW
SCOP	4.23	3.24
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.2 kW	8.9 kW
COP Tj = -7°C	2.47	1.79
Cdh Tj = -7 °C	0.996	0.99
Pdh Tj = +2°C	5.6 kW	5.4 kW
COP Tj = +2°C	4.24	3.19
Cdh Tj = +2 °C	0.989	0.99
Pdh Tj = +7°C	4.3 kW	3.9 kW
COP Tj = +7°C	5.54	4.39
Cdh Tj = +7 °C	0.981	0.99



Pdh Tj = 12°C	7.3 kW	7 kW
COP Tj = 12°C	7.43	6.58
Cdh Tj = +12 °C	0.985	0.99
Pdh Tj = Tbiv	9.2 kW	8.9 kW
COP Tj = Tbiv	2.47	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.58 kW	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.7
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1.82 kW	1.65 kW
Annual energy consumption Qhe	5079 kWh	6369 kWh



Model: PUHZ-SW100YHA(-BS) + ERST20C-*M*C

Configure model		
Model name	PUHZ-SW100YHA(-BS) + ERST20C-*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

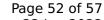
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.2 kW	
El input	4.46 kW	
СОР	2.51	

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	70 dB(A)	

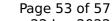
EN 14825		
	Low temperature	Medium temperature
η_{s}	127 %	
Prated	10 kW	-
SCOP	3.24	_
Tbiv	-7 °C	
TOL	-20 °C	
Pdh Tj = -7°C	8.9 kW	
COP Tj = -7°C	1.79	
Cdh Tj = -7 °C	0.99	
Pdh Tj = +2°C	5.4 kW	
COP Tj = +2°C	3.19	
Cdh Tj = +2 °C	0.99	
Pdh Tj = +7°C	3.9 kW	
COP Tj = +7°C	4.39	
Cdh Tj = +7 °C	0.99	





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Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.99
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.7
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	1.65 kW
Annual energy consumption Qhe	6369 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	103 %
СОР	2.48
Heating up time	01:46 h:min
Standby power input	36 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	292 I

Model: PUHZ-SW100YHA(-BS) + ERST20C-M*C

Configure model		
Model name PUHZ-SW100YHA(-BS) + ERST20C-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

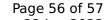
EN 14511-2				
	Low temperature	Medium temperature		
Heat output	11.2 kW			
El input	4.46 kW			
СОР	2.51			

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	70 dB(A)			

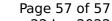
EN 14825			
	Low temperature	Medium temperature	
η_{s}	127 %		
Prated	10 kW	_	
SCOP	3.24		
Tbiv	-7 °C		
TOL	-20 °C		
Pdh Tj = -7°C	8.9 kW		
COP Tj = -7°C	1.79		
Cdh Tj = -7 °C	0.99		
Pdh Tj = +2°C	5.4 kW		
COP Tj = +2°C	3.19		
Cdh Tj = +2 °C	0.99		
Pdh Tj = +7°C	3.9 kW		
COP Tj = +7°C	4.39		
Cdh Tj = +7 °C	0.99		





Pdh Tj = 12°C	7 kW
COP Tj = 12°C	6.58
Cdh Tj = +12 °C	0.99
Pdh Tj = Tbiv	8.9 kW
COP Tj = Tbiv	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.7
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	1.65 kW
Annual energy consumption Qhe	6369 kWh

Domestic Hot Water (DHW)





EN 16147			
Declared load profile	L		
Efficiency ηDHW	103 %		
СОР	2.48		
Heating up time	01:46 h:min		
Standby power input	36 W		
Reference hot water temperature	52.5 °C		
Mixed water at 40°C	292 I		