PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUHZ-SHW80VAA(-BS)
	Indoor unit:	EHST20C-****C(W)
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	8.0	kW
Degradation co-efficient (**)	Cdh	1.00	-
Tj = + 2 °C	Pdh	4.9	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.4	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = +12 °C	Pdh	5.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature (***)	Pdh	7.9	kW
Bivalent temperature	Tbiv	-7	°C
Reference design conditions for space heating	Tdesignh	-10	°C
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.015	kW
Thermostat-off mode	P_{TO}	0.015	kW
Standby mode	P_{SB}	0.015	kW
Crankcase heater mode	P_{CK}	0.000	kW
Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	40 / 59	dBA
Annual energy consumption	Q_{HE}	5465	kWh
For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec		kWh
Annual electricity consumption	AEC	1048	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	133	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.13	-
Tj = + 2 °C	COPd	3.29	-
Tj = + 7 °C	COPd	4.66	-
Tj = +12 °C	COPd	5.92	-
Tj = bivalent temperature	COPd	2.13	-
Tj = operation limit temperature (***)	COPd	2.05	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C
Supplementary heater			
Rated heat output (*)	Psup	1.1	kW
Type of energy input		Electrical	
Rated air flow rate, outdoors	-	2700	m^3/h
Water heating energy efficiency	ηwh	103	%

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD. Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

The identification and signature of the person empowered to bind the supplier:

Atsushi EDAYOSHI
Manager, Quality Assuarance Department
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· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
· Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.