Product Information

Model No.: WH-MDC07H3E5

Air-to-water heat pump [YES/NO]:	YES	Low-temperature heat pump [YES/NO]:	NO
Water-to-water heat pump [YES/NO]:	NO	Brine-to-water heat pump [YES/NO]:	NO
Equipped with a supplementary heater [YES/NO]:	YES		
Heat pump combination heater [YES/NO]:	NO		

Parameters shall be declared for medium-temperature application.

Parameters shall be declared for AVERAGE climate conditions:-

Item	Symb.	Value	Unit	Item	Symb.	Value	Unit
Rated heat output (*)	P_{rated}	7	kW	Seasonal space heating energy efficiency	η_s	130	%
Bivalent temperature	T_{biv}	-7	°C	Operation limit temperature	*TOL*	-10	°C
Degradation coefficient (**)	*Cdh*	0,9	—	Heating water operating limit temperature	*WTOL*	55	°C
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j				Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T j			
T j = – 7 °C	*Pdh*	5,8	kW	T j = – 7 °C	*COPd*	1,80	—
T j = + 2 °C	*Pdh*	3,6	kW	T j = + 2 °C	*COPd*	3,28	—
T j = + 7 °C	*Pdh*	2,6	kW	T j = + 7 °C	*COPd*	4,70	—
T j = + 12 °C	*Pdh*	3,1	kW	T j = + 12 °C	*COPd*	6,25	—
T j = T biv	*Pdh*	5,8	kW	T j = T biv	*COPd*	2,06	—
T j = TOL	*Pdh*	5,5	kW	T j = TOL	*COPd*	1,55	—
T j = – 15 °C (if TOL < – 20 °C)	*Pdh*	—	kW	T j = – 15 °C (if TOL < – 20 °C)	*COPd*	—	—
Cycling interval capacity for heating	*Pcych*	—	kW	Cycling interval efficiency	*COPcyc*	—	—

Power consumption in modes other than active mode:				Other items:			
Off mode	P_{OFF}	0,002	kW	Capacity control	*Variable*		
Thermostat-off mode	P_{TO}	0,015	kW	Sound power level, indoor	L_{WA}	-	dB
Standby mode	P_{SB}	0,011	kW	Sound power level, outdoor	L_{WA}	68	dB
Crankcase heater mode	P_{CK}	0,020	kW	Annual energy consumption	Q_{HE}	4350	kWh
Supplementary heater Rated heat output (*)	P_{sup}	3,0	kW	Rated air flow rate, outdoor	—	2700	m^3 /h
Type of energy input	ELECTRICAL HEATER			Emissions of nitrogen oxides	NO_X	—	mg/kWh
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	—	m^3 /h				

For heat pump combination heater:

Declared load profile		—		**Water heating energy efficiency**	η_{wh}	—	%
Daily electricity consumption	Q_{elec}	—	kWh	Daily fuel consumption	Q_{fuel}	—	kWh

Contact details for obtaining more information	(Name and address of the manufacturer or of its authorized representative.) Panasonic Testing Centre, Panasonic Marketing Europe GmbH Winsbergring 15, 22525 Hamburg, Germany

REMARK:

- You can find information and precautions relevant for installation and maintenance in the instruction manuals.
- You can find information relevant for disposal at end-of-life in the instruction manual.

(*) 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.

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