

# Product Ecodesign Information

Model No.: WH-MXC09H3E8

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

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 (*)	$P_{rated}$	9	kW	Seasonal space heating energy efficiency	$\eta_s$	130	%
Bivalent temperature	$T_{biv}$	-10	°C	Operation limit temperature	$TOL$	-10	°C
Degradation coefficient (**)	$C_{dh}$	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	$P_{dh}$	7,7	kW	$T_j = -7$ °C	$COP_d$	2,11	—
$T_j = +2$ °C	$P_{dh}$	4,8	kW	$T_j = +2$ °C	$COP_d$	3,24	—
$T_j = +7$ °C	$P_{dh}$	4,6	kW	$T_j = +7$ °C	$COP_d$	4,17	—
$T_j = +12$ °C	$P_{dh}$	5,5	kW	$T_j = +12$ °C	$COP_d$	5,74	—
$T_j = T_{biv}$	$P_{dh}$	8,7	kW	$T_j = T_{biv}$	$COP_d$	2,00	—
$T_j = TOL$	$P_{dh}$	8,7	kW	$T_j = TOL$	$COP_d$	2,00	—
$T_j = -15$ °C (if $TOL < -20$ °C)	$P_{dh}$	—	kW	$T_j = -15$ °C (if $TOL < -20$ °C)	$COP_d$	—	—
Cycling interval capacity for heating	$P_{cych}$	—	kW	Cycling interval efficiency	$COP_{cyc}$	—	—

Power consumption in modes other than active mode:				Other items: (◇) (□)			
Off mode	$P_{OFF}$	0,003	kW	Capacity control	Variable		
Thermostat-off mode	$P_{TO}$	0,012	kW	Sound power level, indoor (◇)	$L_{WA}$	-	dB
Standby mode	$P_{SB}$	0,012	kW	Sound power level, outdoor (◇)	$L_{WA}$	65	dB
Crankcase heater mode	$P_{CK}$	0,033	kW	Sound power level, indoor (□)	$L_{WA}$	-	dB
Supplementary heater	$P_{sup}$	3,0	kW	Sound power level, outdoor (□)	$L_{WA}$	68	dB
Rated heat output (*)	ELECTRICAL HEATER			Annual energy consumption	$Q_{HE}$	5596	kWh
Type of energy input				Rated air flow rate, outdoor	—	4608	m <sup>3</sup> /h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	—	m <sup>3</sup> /h	Emissions of nitrogen oxides	$NO_x$	—	mg/kWh

For heat pump combination heater:

Declared load profile	—			Water heating energy efficiency	$\eta_{wh}$	—	%
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.)  
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REMARK:

- You can find information and precautions relevant for installation and maintenance in the Operation Instructions.
  - You can find information relevant for recycling and/or disposal at end-of-life in the Operation Instructions.
- (\*) For heat pump space heaters and heat pump combination heaters, the rated heat output  $P_{rated}$  is equal to the design load for heating  $P_{designh}$ , and the rated heat output of a supplementary heater  $P_{sup}$  is equal to the supplementary capacity for heating  $sup(T_j)$ .
- (\*\*) If  $C_{dh}$  is not determined by measurement, then the default degradation coefficient is  $C_{dh} = 0,9$ .
- (◇) Nominal A-Weighted Sound Power Level ( $L_{WA}$ ), according to regulation 811/2013, 813/2013 and standard EN14825 at A7(6), in dB (A).
- (□) Maximum A-Weighted Sound Power Level ( $L_{WA}$ ), according to EN12102-1 at A7(6) W55(47), in dB (A).