

Produktgruppe: CGB-2

Name oder Warenzeichen des Lieferanten			Wolf GmbH	Wolf GmbH	Wolf GmbH
Modellkennung des Lieferanten			CGB-2-14	CGB-2-20	CGB-2-24
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz			A	A	A
Wärmenennleistung	P_{rated}	kW	14	19	24
Jahreszeitbedingte Raumheizungs-Energieeffizienz	η_s	%	93	93	93
Jährlicher Energieverbrauch für die Raumheizung	Q_{HE}	kWh	7570	10581	13290
Schallleistungspegel in Innenräumen	L_{WA}	dB	47	48	49
Alle beim Zusammenbau, der Installation oder Wartung zu treffende besondere Vorkehrungen			Siehe Montageanleitung	Siehe Montageanleitung	Siehe Montageanleitung

Product Information Panasonic

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

$T_j = -7\text{ °C}$	P_{dh}	5,8	kW	$T_j = -7\text{ °C}$	COP_d	1,80	—
$T_j = +2\text{ °C}$	P_{dh}	3,6	kW	$T_j = +2\text{ °C}$	COP_d	3,28	—
$T_j = +7\text{ °C}$	P_{dh}	2,6	kW	$T_j = +7\text{ °C}$	COP_d	4,70	—
$T_j = +12\text{ °C}$	P_{dh}	3,1	kW	$T_j = +12\text{ °C}$	COP_d	6,25	—
$T_j = T_{biv}$	P_{dh}	5,8	kW	$T_j = T_{biv}$	COP_d	2,06	—
$T_j = TOL$	P_{dh}	5,5	kW	$T_j = TOL$	COP_d	1,55	—
$T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	P_{dh}	—	kW	$T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COP_d	—	—
Cycling interval capacity for heating	P_{cyc}	—	kW	Cycling interval efficiency	COP_{cyc}	—	—

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	P_{sup}	3,0	kW	Rated air flow rate, outdoor	—	2700	m³/h
Rated heat output (*)	ELECTRICAL HEATER			Emissions of nitrogen oxides	NO_x	—	mg/kWh
Type of energy input							
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	—	m³/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						
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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 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 Cdh is not determined by measurement, then the default degradation coefficient is $Cdh = 0,9$.

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