

## Product Ecodesign Information

Model No.: WH-SDC0709J3E5 / WH-UD09JE5 ; WH-SDC0709J3E5 / WH-UD09JE5-1

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	$\eta_s$	130	%
Bivalent temperature	$T_{biv}$	-7	°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	$P_{dh}$	6,2	kW	$T_j = -7$ °C	$COP_d$	1,86	—
$T_j = +2$ °C	$P_{dh}$	3,8	kW	$T_j = +2$ °C	$COP_d$	3,33	—
$T_j = +7$ °C	$P_{dh}$	2,7	kW	$T_j = +7$ °C	$COP_d$	4,52	—
$T_j = +12$ °C	$P_{dh}$	3,3	kW	$T_j = +12$ °C	$COP_d$	6,26	—
$T_j = T_{biv}$	$P_{dh}$	6,2	kW	$T_j = T_{biv}$	$COP_d$	1,86	—
$T_j = TOL$	$P_{dh}$	6,2	kW	$T_j = TOL$	$COP_d$	1,70	—
$T_j = -15$ °C (if $TOL < -20$ °C)	$P_{dh}$	—	kW	$T_j = -15$ °C (if $TOL < -20$ °C)	$COP_d$	—	—
Cycling interval capacity for heating	$P_{cyc}$	—	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	$P_{TO}$	0,044	kW	Sound power level, indoor (◇)	$L_{WA}$	43	dB
Standby mode	$P_{SB}$	0,010	kW	Sound power level, outdoor (◇)	$L_{WA}$	59	dB
Crankcase heater mode	$P_{CK}$	0,010	kW	Sound power level, indoor (□)	$L_{WA}$	43	dB
Supplementary heater	$P_{sup}$	3,0	kW	Sound power level, outdoor (□)	$L_{WA}$	69	dB
Rated heat output (*)	ELECTRICAL HEATER			Annual energy consumption	$Q_{HE}$	4354	kWh
Type of energy input				Rated air flow rate, outdoor	—	3204	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:

<b>Declared load profile</b>	—			<b>Water heating energy efficiency</b>	$\eta_{wh}$	—	%
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.)  
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 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 (LWA), according to regulation 811/2013, 813/2013 and standard EN14825 at A7(6), in dB (A).
- (□) Maximum A-Weighted Sound power level (LWA), according to EN12102-1 at A7(6) W55(47), in dB (A).

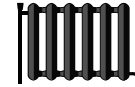
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## Product Information Sheet



Panasonic		WARMER				AVERAGE										COLDER			
Indoor Unit	Outdoor Unit	P <sub>rated</sub>	η <sub>s</sub>	Q <sub>HE</sub>	P <sub>sup</sub>	A+++ ~ D	A+++ ~ D	P <sub>rated</sub>	η <sub>s</sub>	Q <sub>HE</sub>					P <sub>sup</sub>	P <sub>rated</sub>	η <sub>s</sub>	Q <sub>HE</sub>	P <sub>sup</sub>
		kW (35/55°C)	% (35/55°C)	kWh (35/55°C)	kW	35°C	55°C	kW (35/55°C)	% (35/55°C)	kWh (35/55°C)	dB (A) (55°C) *2	dB (A) (55°C) *2	dB (A) *3	dB (A) *3	kW	kW (35/55°C)	% (35/55°C)	kWh (35/55°C)	kW
*1 WH-SDC0305J3E5	WH-UD03JE5	4/4	245% / 165%	862 / 1274	3	A+++	A++	4/3	200% / 136%	1631 / 1788	41	60	41	55	3	3/2	157% / 110%	1848 / 1740	3
	WH-UD05JE5	4/4	245% / 165%	862 / 1274	3	A+++	A++	5/4	200% / 136%	2038 / 2385	41	64	41	55	3	3/2	157% / 110%	1848 / 1740	3
*1 WH-SDC0709J3E5	WH-UD07JE5	7/6	227% / 160%	1627 / 1971	3	A+++	A++	6/7	193% / 130%	2532 / 4354	43	68	43	59	3	7/6	164% / 116%	4132 / 4967	3
	WH-UD09JE5	7/6	227% / 160%	1627 / 1971	3	A+++	A++	7/7	193% / 130%	2949 / 4354	43	69	43	59	3	7/6	164% / 116%	4132 / 4967	3
	WH-UD09JE5-1	7/6	227% / 160%	1627 / 1971	3	A+++	A++	7/7	193% / 130%	2949 / 4354	43	69	43	59	3	7/6	164% / 116%	4132 / 4967	3

2019

811/2013

\*1

R32 (GWP=675)

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere.

This appliance contains refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

\*2

Maximum A-Weighted Sound power level (L<sub>WA</sub>), according to EN12102-1 at A7(6) W55(47), in dB (A).

\*3

Nominal A-Weighted Sound Power Level (L<sub>WA</sub>), according to regulation 811/2013, 813/2013 and standard EN14825 at A7(6), in dB (A).

Energy consumption "XYZ" kWh per year, based on standard test results.

Actual energy consumption will depend on how the appliance is used and where it is located.

- 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.

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