

Model(s): HWT-1101HRW-E/HWT-1101XWHM6W-E/

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: no

Heat pump combination heater: no

Application: Medium Temperature application (indoor outlet water temperature 55°C)

Rated heat output	Prated	8.00	kW
Declared capacity for heating for part load at indoor temperature 20 C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	7.30	kW
Tj = +2 °C	Pdh	4.50	kW
Tj = + 7 °C	Pdh	3.00	kW
Tj = + 12 °C	Pdh	2.30	kW
Tj = bivalent temperature	Pdh	7.30	kW
Tj = operation limit temperature	Pdh	6.70	kW
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C
Cycling interval capacity for heating	Pcych	-	kW
Degradation co-efficient	Cdh	0.90	-
Power consumption in modes other than active mode			
off mode	Poff	0.007	kW
thermostat-off mode	Pto	0.049	kW
standby mode	Psb	0.000	kW
Crankcase heater mode	Pck	0.000	kW

Other items

Capacity control	Variable		
Sound power level, indoors/outdoors	LWA	40/60	dB
Emissions of nitrogen oxides	NOx	-	mg/kWh
For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Qelec	-	kWh
Seasonal space heating energy efficiency	η_s	142	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 C and outdoor temperature Tj			

Tj = -7 °C	Copd	2.12	-
Tj = +2 °C	Copd	3.58	-
Tj = +7 °C	Copd	4.75	-
Tj = +12 °C	Copd	7.00	-
Tj = bivalent temperature	Copd	2.12	-
Tj = operation limit temperature	Copd	1.89	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Copd	-	-
For air-to-water heat pumps: Operation limit temperature	Tbiv	-10	°C
Cycling interval efficiency	Pcycl	-	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	1.30	kW
Type of energy input		220-240V ~,50Hz	
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3506	m3/h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m3/h
For heat pump combination heater:			
Water heating energy efficiency	ηwh	-	%
Daily fuel consumption	Qfuel	-	kW

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