Technical Data

TOSHIBA

Air-to-water heat pump

Outdoor unit			HWT-1101HW-E
Indoor unit			HWT-1101XWHM3W-E
Heat pump combination heater			no
Capacity control			Variable
Equipped with a supplementary heater			yes
Sound power level, indoors/outdoors	LWA	dB	40/60
Rated air flow		m^3/h	3506
Type of energy input			220-240V ~.50Hz

Precautions on installation & maintenance are available in Installation Manuals and Service Manuals

Medium Temperature application

indoor outlet water temperature 55°C

For space heating			Average climate	Colder climate	Warmer climate
Rated heat output	Prated	kW	8	8	8
Declared capacity for heating for part load at indoor temperature 20 C and outdoor temperature Tj					
Tj = -15 °C	Pdh	kW	-	6.8	-
Tj = -7 °C	Pdh	kW	7.3	5.2	-
Tj = +2 °C	Pdh	kW	4.5	3.1	7.8
Tj = +7 °C	Pdh	kW	3.0	2.0	5.1
Tj = +12 °C	Pdh	kW	2.3	2.3	2.3
Tj = bivalent temperature	Pdh	kW	7.3	6.8	7.8
Tj = operation limit temperature	Pdh	kW	6.7	4.9	7.8
Bivalent temperature	T biv	°C	-7.0	-15.0	2.0
Cycling interval capacity for heating	Pcych	kW	-	-	-
Degradation co-efficient	Cdh	-	0.9	0.8	0.9
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 C and outdoor temperature Tj					
Tj = -15 °C	Copd	-	-	1.90	-
Tj = -7 °C	Copd	-	2.12	2.56	-
Tj = +2 °C	Copd	-	3.58	3.81	2.40
Tj = +7 °C	Copd	-	4.75	5.17	3.92
Tj = +12 °C	Copd	-	7.00	7.36	6.25
Tj = bivalent temperature	Copd	-	2.12	1.90	2.40
Tj = operation limit temperature	Copd	-	1.89	1.43	2.40
Operation limit temperature	TOL	°C	-10	-22	2
Cycling interval efficiency	COPcyc		-	-	-
Seasonal space heating energy efficiency	ns	%	142	123	184
Seasonal space heating energy efficiency class			A++	-	-
Power consumption in modes other than active mode					
off mode	Poff	kW	0.007	0.007	0.007
thermostat-off mode	Pto	kW	0.049	0.049	0.049
standby mode	Psb	kW	0.007	0.007	0.007
Crankcase heater mode	Pck	kW	0.000	0.000	0.000
Rated heat output	Psup	kW	1.3	3.1	0.0
Daily electricity consumption	Qelec	kWh	12.953	17.825	6.140
Annual electricity consumption	AEC	kWh	4728	6506	2241

Contact details

Carrier RLC Europe S.A.S - Route de Thil, 01120, Montluel,France

Technical Data

TOSHIBA

Air-to-water heat pump

Outdoor unit			HWT-1101HW-E
Indoor unit			HWT-1101XWHM3W-E
Heat pump combination heater			no
Capacity control			Variable
Equipped with a supplementary heater			yes
Sound power level, indoors/outdoors	LWA	dB	40/60
Rated air flow		m^3/h	3506
Type of energy input			220-240V ~.50Hz

Precautions on installation & maintenance are available in Installation Manuals and Service Manuals

Low Temperature application

indoor outlet water temperature 35°C

For space heating			Average climate	Colder climate	Warmer climate
Rated heat output	Prated	kW	9	8	9
Declared capacity for heating for part load at indoor temperature 20 C and outdoor temperature Tj					
Tj = -15 °C	Pdh	kW	-	6.7	-
Tj = -7 °C	Pdh	kW	7.9	5.2	-
Tj = +2 °C	Pdh	kW	4.9	3.1	9.1
Tj = +7 °C	Pdh	kW	3.1	2.0	6.0
Tj = +12 °C	Pdh	kW	2.3	2.3	2.7
Tj = bivalent temperature	Pdh	kW	7.9	6.7	9.1
Tj = operation limit temperature	Pdh	kW	7.7	5.0	9.1
Bivalent temperature	T biv	°C	-7.0	-15.0	2.0
Cycling interval capacity for heating	Pcych	kW	-	-	-
Degradation co-efficient	Cdh		0.8	0.8	0.9
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 C and outdoor temperature Tj					
Tj = -15 °C	Copd	-	-	2.41	-
Tj = -7 °C	Copd	-	2.59	3.31	-
Tj = +2 °C	Copd	-	4.50	5.34	3.14
Tj = +7 °C	Copd	-	6.23	6.30	5.83
Tj = +12 °C	Copd	-	8.40	7.63	7.80
Tj = bivalent temperature	Copd	-	2.59	2.41	3.14
Tj = operation limit temperature	Copd	-	2.42	2.04	3.14
Operation limit temperature	TOL	°C	-10	-22	2
Cycling interval efficiency	COPcyc		-	-	-
Seasonal space heating energy efficiency	ns	%	179	162	249
Seasonal space heating energy efficiency class			A+++	-	-
Power consumption in modes other than active mode					
off mode	Poff	kW	0.007	0.007	0.007
thermostat-off mode	Pto	kW	0.049	0.049	0.049
standby mode	Psb	kW	0.007	0.007	0.007
Crankcase heater mode	Pck	kW	0.000	0.000	0.000
Rated heat output	Psup	kW	1.3	3.0	0.0
Daily electricity consumption	Qelec	kWh	12.953	17.825	6.140
Annual electricity consumption	AEC	kWh	4054	4891	1935

Contact details

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