Product information according to Commission Delegated Regulation (EU) 813/2013

Product information is based on the average climate condition.

Model			Hydraulic unit	WSYA050ML3		WGYA050ML3		WSYA080ML3		WGYA080ML3		WSYA080ML3		WGYA080ML3		WSYA100ML3		WGYA100ML3	
			Outdoor unit	WOYA060KLT								WOYA080KLT				WOYA100KLT			
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				Yes															
Heat pump combination heater				No***		Yes		No***		Yes		No***		Yes		No***		Yes	
Temperature application			°C	55	35	55	35	55	35	55	35	55	35	55	35	55	35	55	35
Rated heat output (*)		P_{rated}	kW	5	5	5	5	5	6	5	6	6	7	6	7	8	9	8	9
Seasonal space heating energy efficiency		η_s	%	125	175	125	175	125	175	125	175	128	177	128	177	130	178	130	178
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j																			
T_j = –7°C		Pdh	kW	4.2	4.4	4.2	4.4	4.7	5.0	4.7	5.0	5.5	5.8	5.5	5.8	7.3	7.5	7.3	7.5
T_j = +2°C		Pdh	kW	2.5	2.7	2.5	2.7	2.9	3.0	2.9	3.0	3.3	3.5	3.3	3.5	4.4	4.6	4.4	4.6
T_j = +7°C		Pdh	kW	1.9	2.1	1.9	2.1	1.8	2.1	1.8	2.1	2.1	2.3	2.1	2.3	3.6	3.9	3.6	3.9
T_j = +12°C		Pdh	kW	2.3	2.4	2.3	2.4	2.3	2.4	2.3	2.4	2.4	2.5	2.4	2.5	4.3	4.4	4.3	4.4
T_j = bivalent temperature		Pdh	kW	4.2	4.4	4.2	4.4	4.7	5.0	4.7	5.0	5.5	5.8	5.5	5.8	7.3	7.5	7.3	7.5
T_j = operation limit temperature		Pdh	kW	3.8	4.0	3.8	4.0	4.0	4.5	4.0	4.5	5.0	5.6	5.0	5.6	7.1	7.3	7.1	7.3
T_j = –15°C (if TOL < –20°C)		Pdh	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bivalent temperature		T_{biv}	°C	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
Cycling interval capacity for heating		P_{cych}	kW	Not applicable															
Degradation co-efficient (**)		Cdh	—	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j																			
T_j = –7°C		COP_d	—	1.99	2.84	1.99	2.84	1.97	2.74	1.97	2.74	1.91	2.70	1.91	2.70	2.05	2.98	2.05	2.98
T_j = +2°C		COP_d	—	3.11	4.40	3.11	4.40	3.11	4.38	3.11	4.38	3.18	4.35	3.18	4.35	3.24	4.46	3.24	4.46
T_j = +7°C		COP_d	—	4.25	5.85	4.25	5.85	4.29	6.04	4.29	6.04	4.52	6.32	4.52	6.32	4.47	5.89	4.47	5.89
T_j = +12°C		COP_d	—	5.91	7.39	5.91	7.39	6.06	7.43	6.06	7.43	6.37	8.07	6.37	8.07	5.97	7.14	5.97	7.14
T_j = bivalent temperature		COP_d	—	1.99	2.84	1.99	2.84	1.97	2.74	1.97	2.74	1.91	2.70	1.91	2.70	2.05	2.98	2.05	2.98
T_j = operation limit temperature		COP_d	—	1.71	2.68	1.71	2.68	1.73	2.67	1.73	2.67	1.69	2.35	1.69	2.35	1.72	2.71	1.72	2.71
T_j = –15°C (if TOL < –20°C)		COP_d	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operation limit temperature		TOL	°C	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Cycling interval efficiency		COP_{cyc}	—	Not applicable															
Heating water operating limit temperature		WTOL	°C	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Power consumption in modes other than active mode																			
Off mode		P_{OFF}	kW	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Thermostat-off mode		P_{TO}	kW	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.014	0.014	0.014	0.014	0.021	0.020	0.021	0.020
Standby mode		P_{SB}	kW	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.008	0.008	0.008	0.008
Crankcase heater mode		P_{CK}	kW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Supplementary heater																			
Rated heat output (*)		P_{sup}	kW	0.9	1.0	0.9	1.0	1.3	1.1	1.3	1.1	1.2	0.9	1.2	0.9	1.1	1.2	1.1	1.2
Type of energy input				Electric															
Other items																			
Capacity control				Variable															
Sound power level	Hydraulic unit	L_{WA}	dB	40	-	40	-	40	-	40	-	40	-	40	-	40	-	40	-
	Outdoor unit	L_{WA}	dB	57	-	57	-	57	-	57	-	60	-	60	-	62	-	62	-
Annual energy consumption		Q_{HE}	kWh	3035	2322	3035	2322	3411	2594	3411	2594	3903	2982	3903	2982	5083	3875	5083	3875
Emissions of nitrogen oxides		NO_x	mg/kWh	Not applicable															
Rated air flow rate	Outdoor unit	—	m^3/h	2100	1640	2100	1640	2100	2100	2100	2100	3120	3120	3120	3120	4130	4130	4130	4130
Declared load profile				-	-	L	L	-	-	L	L	-	-	L	L	-	-	L	L
Daily electricity consumption		Q_{elec}	kWh	-	-	3.750	3.750	-	-	3.750	3.750	-	-	3.750	3.750	-	-	3.750	3.750
Annual electricity consumption		AEC	kWh	-	-	793	793	-	-	793	793	-	-	793	793	-	-	793	793
Water heating energy efficiency		η_{wh}	%	-	-	130	130	-	-	130	130	-	-	130	130	-	-	130	130
Daily fuel consumption		Q_{fuel}	kWh	Not applicable															
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated 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.

(***) Possible with using an optional component.