

		Heat Pump Space Heater		Outdoor	HLT16MONO-3S
				Indoor	HLT-9-3S
Air-to-water heat pump		Yes			
Water-to-water heat pump		No			
Brine-to-water heat pump		No			
Low Temperature heat pump		Yes			
Equipped with a supplementary heater		Yes			
Heat pump combination heater		No			
Parameters shall be declared for medium temperature application, except for low temperature heat pumps. For low temperature heat pumps, parameters shall be declared for low-temperature application					
Parameters shall be declared for average climate conditions					
Item		Symbol	Value	Unit	
Rated Heat Output <sup>(3)</sup>		Prated	12.55 4	kW	
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj					
Tj = - 7		Pdh	11.10 6	kW	
Tj = + 2		Pdh	7.525	kW	
Tj = + 7		Pdh	5.866	kW	
Tj = + 12		Pdh	6.831	kW	
Tj = bivalent temperature		Pdh	11.10 6	kW	
Tj = operation limit temperature		Pdh	10.20 6	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	0.028	kW	
Thermostat off mode		PTO	0.020	kW	
Standby mode		PSB	0.030	kW	
Crankcase heater mode		PCK	0.020	kW	
Other Items					
Capacity Control		Variable			
Sound power level, indoor/outdoor		LWA	37/56	dB	
Annual energy consumption		QHE	5475	kWh	
For heat pump combination heater					
Declared load profile					
Daily Electricity consumption		Qelec		kWh	
Annual electrical consumption		AEC		kWh	
Item		Symbol	Value	Unit	
Seasonal space heating energy efficiency		ηs	186.5	%	
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj					
Tj = - 7		COPd or PERd	3.05	- or %	
Tj = + 2		COPd or PERd	4.89	- or %	
Tj = + 7		COPd or PERd	6.05	- or %	
Tj = + 12		COPd or PERd	7.94	- or %	
Tj = bivalent temperature		COPd or PERd	3.05	- or %	
Tj = operation limit temperature		COPd or PERd	2.90	- or %	
For air-to-water heat pumps: Tj = - 15°C (if TOL<-20°C)		COPd or PERd		- or %	
For air-to-water heat pumps: Operating limit temperature		TOL	-10	°C	
Cycling interval efficiency		COPcyc or PERcyc		- or %	
Heating water operating limit temperature		WTOL	60	°C	
Supplementary heater					
Rated heat output		Psup	2.348	kW	
		Electricity			
Type of energy input					
Inverter					
For air-to-water heat pumps: Rated air flow, outdoors		-	6300	m³/h	
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-		m³/h	
Water heating energy efficiency		ηwh		%	
Daily fuel consumption		Qfuel		kWh	
Annual fuel consumption		AFC		GJ	

<sup>(3)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.

<sup>(4)</sup> If *Cdh* is not determined by measurement the default degradation coefficient is *Cdh* = 0.9