

Technical parameters										
Model(s):				THMLd-10D/3FBp-A						
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(for 10kW(heating 3kW)) no(for 10kW)						
Heat pump combination heater:				no						
Declared climate condition:				average						
Parameters are declared for medium-temperature application.										
Item				Symbol	Value	Unit				
Rated heat output (*)				P _{rated}	9.5	kW	Seasonal space heating energy efficiency			
							η _s	151.0	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				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				P _{dh}	8.4	kW	T _j = − 7°C			
							COP _d	2.270	-	
T _j = + 2°C				P _{dh}	5.2	kW	T _j = + 2°C			
							COP _d	3.732	-	
T _j = + 7°C				P _{dh}	3.4	kW	T _j = + 7°C			
							COP _d	5.695	-	
T _j = + 12°C				P _{dh}	2.7	kW	T _j = + 12°C			
							COP _d	8.087	-	
T _j = bivalent temperature				P _{dh}	8.4	kW	T _j = bivalent temperature			
							COP _d	2.270	-	
T _j = operation limit temperature				P _{dh}	8.1	kW	T _j = operation limit temperature			
							COP _d	2.055	-	
For air-to-water heat pumps: T _j = − 15°C (if TOL < − 20°C)				P _{dh}	N/A	kW	For air-to-water heat pumps: T _j = − 15°C (if TOL < − 20°C)			
							COP _d	N/A	-	
Bivalent temperature				T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature			
							TOL	-10	°C	
Cycling interval capacity for heating				P _{cych}	N/A	kW	Cycling interval efficiency			
							COP _{cyc}	N/A	-	
Degradation co-efficient (**)				C _{dh}	0.9	-	Heating water operating limit temperature			
							WTOL	75	°C	
Power consumption in modes other than active mode				Supplementary heater						
Off mode				P _{OFF}	0.014	kW	Rated heat output (**)			
							P _{sup}	1.4	kW	
Thermostat-off mode				P _{TO}	0.024	kW	Type of energy input			
Standby mode				P _{SB}	0.014	kW				
Crankcase heater mode				P _{CK}	0.000	kW				
Other items										
Capacity control				variable			For air-to-water heat pumps: Rated air flow rate, outdoors			
							-	4500	m ³ /h	
Sound power level, indoors/ outdoors				L _{WA}	-/61	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
							-	N/A	m ³ /h	
Annual energy consumption				Q _{HE}	4975	kWh				
For heat pump combination heater:										
Declared load profile				N/A			Water heating energy efficiency			
							η _{wh}	N/A	%	
Daily electricity consumption				Q _{elec}	N/A	kWh	Daily fuel consumption			
							Q _{fuel}	N/A	kWh	
Annual electricity consumption				AEC	N/A	kWh	Annual fuel consumption			
							AFC	N/A	GJ	
Contact details				See the back cover of the manual						
(*) 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).										
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.										