

Technical parameters																			
Model(s):				THMLd-4D/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 4kW(heating 3kW)) no(for 4kW)															
Heat pump combination heater:				no															
Declared climate condition:				average															
Parameters are declared for medium-temperature application.																			
Item				Symbol	Value	Unit				Item	Symbol	Value	Unit						
Rated heat output (*)				P _{rated}	4.9	kW				Seasonal space heating energy efficiency				η _s	149.4	%			
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}	4.3	kW				T _j = − 7°C				COP _d	2.321	-			
T _j = + 2°C				P _{dh}	2.8	kW				T _j = + 2°C				COP _d	3.701	-			
T _j = + 7°C				P _{dh}	2.1	kW				T _j = + 7°C				COP _d	5.214	-			
T _j = + 12°C				P _{dh}	1.9	kW				T _j = + 12°C				COP _d	7.154	-			
T _j = bivalent temperature				P _{dh}	4.3	kW				T _j = bivalent temperature				COP _d	2.321	-			
T _j = operation limit temperature				P _{dh}	4.2	kW				T _j = operation limit temperature				COP _d	2.099	-			
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}	0.010	kW				Rated heat output (**)				P _{sup}	0.7	kW			
Thermostat-off mode				P _{TO}	0.010	kW				Type of energy input				Electric					
Standby mode				P _{SB}	0.010	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				-	2600	m³/h			
Sound power level, indoors/ outdoors				L _{WA}	-/56	dB				For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	N/A	m³/h			
Annual energy consumption				Q _{HE}	2634	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.																			