

Gas Absorption Heat Pump				35A HT			
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				No			
Heat pump combination heater				No			
Parameters shall be declared for medium-temperature application							
Parameters shall be declared for average, colder and warmer climate conditions							
Average Climate Conditions							
Rated heat output	Prated	kW	29.3	Seasonal space heating energy efficiency	η_s	%	112
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _o				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _o			
T _i = -7°C	P _{ph}	kW	25.8	T _o = -7°C	PER _{pl}	%	97.0
T _i = +2°C	P _{ph}	kW	15.8	T _o = +2°C	PER _{pl}	%	121.0
T _i = +7°C	P _{ph}	kW	10.3	T _o = +7°C	PER _{pl}	%	118.0
T _i = +12°C	P _{ph}	kW	4.4	T _o = +12°C	PER _{pl}	%	112.0
T _i -bivalent temperature	P _{ph}	kW	-	T _o -bivalent temperature	PER _{pl}	%	-
Annual energy consumption	Q _{ac}	GJ	195				
Colder Climate Conditions							
Rated heat output	Prated	kW	29.2	Seasonal space heating energy efficiency	η_s	%	107
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _o				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _o			
T _i = -7°C	P _{ph}	kW	17.8	T _o = -7°C	PER _{pl}	%	108.0
T _i = +2°C	P _{ph}	kW	10.8	T _o = +2°C	PER _{pl}	%	117.0
T _i = +7°C	P _{ph}	kW	7	T _o = +7°C	PER _{pl}	%	112.0
T _i = +12°C	P _{ph}	kW	3.2	T _o = +12°C	PER _{pl}	%	110.0
T _i -bivalent temperature	P _{ph}	kW	-	T _o -bivalent temperature	PER _{pl}	%	-
T _i -operation limit temperature	P _{ph}	kW	29.2	T _o -operation limit temperature	PER _{pl}	%	87.0
For air-to-water heat pumps: T _o = -15°C (if TOL < 20°C)	P _{ph}	kW	23.9	For air-to-water heat pumps: T _o = -15°C (if TOL < 20°C)	PER _{pl}	%	90.0
Annual energy consumption	Q _{ac}	GJ	242				
Warmer Climate Conditions							
Rated heat output	Prated	kW	35.9	Seasonal space heating energy efficiency	η_s	%	115
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _o				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _o			
T _i = +2°C	P _{ph}	kW	35.9	T _o = +2°C	PER _{pl}	%	118.0
T _i = +7°C	P _{ph}	kW	23.0	T _o = +7°C	PER _{pl}	%	121.0
T _i = +12°C	P _{ph}	kW	10.4	T _o = +12°C	PER _{pl}	%	116.0
T _i -bivalent temperature	P _{ph}	kW	-	T _o -bivalent temperature	PER _{pl}	%	-
Annual energy consumption	Q _{ac}	GJ	150				
Bivalent temperature	T _{bv}	°C	TOL < T _{design}	For air-to-water heat pumps: Operation limit temperature Heating water operating limit	TOL WTOL	°C °C	-22 65
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{off}	kW	0.000	Rated heat output	P _{sup}	kW	-
Thermostat-off mode	P _{to}	kW	0.021	Type of energy input	monovalent		
Standby mode	P _{stb}	kW	0.005				
Cranksae heat mode	P _{ac}	kW	-				
Other items				For air-to-water heat pumps:			
Capacity control	variable			Rated air flow rate outdoors		m ³ /h	10000
Sound power level, indoors/outdoors	L _{WA}	dB	- / 75.3	For water- or brine-to-water heat pumps:			
¹⁾ Low temperature means 30°C for condensing boilers, 37°C for low temperature boilers and 50°C (at heater inlet) for other heating appliances ²⁾ High temperature operation means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet				Rated brine or water flow rate, outdoor heat exchanger		m ³ /h	-
Emissions of nitrogen oxides	NO _x	mg/kWh	40				