PRODUCT FICHE

Heat pump space heater

		No label found for faw.heatpump.single.	GT-SKR050KBDC-S10

Space Heating	Energy efficiency class 55°C (High temp. app.)	-	A++
	Energy efficiency class 35°C (Low temp. app.)	-	A++

Average climate (Design temperature = –10°C)

Space heating 55°C	P_{rated} (declared heating capacity) @ –10°C	[kW]	14.88
	Seasonal space heating efficiency (η_S)	[%]	125.0
	Annual energy consumption	[kWh]	9606
Space heating 35°C	P_{rated} (declared heating capacity) @ –10°C	[kW]	15.88
	Seasonal space heating efficiency (η_S)	[%]	160.3
	Annual energy consumption	[kWh]	8037
off peak operation function integrated in Heat pump		Y/N	N

Colder climate (Design temperature = –22°C)

Space heating 55°C	P_{rated} (declared heating capacity) @ –22°C	[kW]	13.88
	Seasonal space heating efficiency (η_S)	[%]	97.5
	Annual energy consumption	[kWh]	11413
Space heating 35°C	P_{rated} (declared heating capacity) @ –22°C	[kW]	14.88
	Seasonal space heating efficiency (η_S)	[%]	125
	Annual energy consumption	[kWh]	9604

Warmer climate (Design temperature = 2°C)

Space heating 55°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	16.88
	Seasonal space heating efficiency (η_S)	[%]	162.5
	Annual energy consumption	[kWh]	8429
Space heating 35°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	17.88
	Seasonal space heating efficiency (η_S)	[%]	208.4
	Annual energy consumption	[kWh]	6990
Sound Power (*)		[dB(A)]	64

Ecodesign technical data

Product description	Air-to-water heat pump:	Y/N	Yes
	Water-to-water heat pump:	Y/N	No
	Brine-to-water heat pump:	Y/N	No
	Low-temperature heat pump:	Y/N	No
	Equipped with a supplementary heater:	Y/N	No
	For heat pump combination heater:	Y/N	No
Air to water unit	Rated airflow (outdoor)	[m³/h]	5900
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m³/h]	

Other	Capacity control	-	Inverter
	P_{off} (Power consumption Off mode)	[kW]	0.020
	P_{to} (Power consumption Thermostat off mode)	[kW]	0.020
	P_{sb} (Power consumption Standby mode)	[kW]	0.020
	P_{CK} (Power crankcase heater model)	[kW]	0.038
	q_{elec} (Daily electricity consumption)	[kWh]	/
	q_{fuel} (Daily fuel consumption)	[kWh]	/

Part load conditions space heating average climate

(A) condition (-7°C)	P_{dh} (declared heating capacity)	[kW]	14.05
	COP_d (declared COP)	-	2.89
	Cdh (degradation coefficient)	-	0.00
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	9.91
	COP_d (declared COP)	-	4.06
	Cdh (degradation coefficient)	-	0.00
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	8.07
	COP_d (declared COP)	-	4.83
	Cdh (degradation coefficient)	-	0.99
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	8.58
	COP_d (declared COP)	-	5.87
	Cdh (degradation coefficient)	-	0.99
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10
	P_{dh} (declared heating capacity)	[kW]	14.27
	COP_d (declared COP)	-	2.63
	WTOL (Heating water Operation Limit)	[°C]	55
(F) No label found for faw.tbivalent.temperaturee.	T_{blv}	[°C]	-7
	P_{dh} (declared heating capacity)	[kW]	14.08
	COP_d (declared COP)	-	2.89
Capacity of the back-up heater integrated in the unit	P_{sup} back-up heater (@Tdesignh: –10°C)	[kW]	
Supplementary capacity at P_design	P_{sup} (@Tdesignh: –10°C)	[kW]	1.61