Product Information

PRODUCT FICHE

Heat pump space heater

		No label found for faw.heatpump.single.	GT-SKR040KBDC-M32
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]	9.93
	Seasonal space heating efficiency (η_S)	[%]	139
	Annual energy consumption	[kWh]	5230
Space heating 35°C	P_{rated} (declared heating capacity) @ –10°C	[kW]	10.79
	Seasonal space heating efficiency (η_S)	[%]	184.7
	Annual energy consumption	[kWh]	4750
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]	8.93
	Seasonal space heating efficiency (η_S)	[%]	108
	Annual energy consumption	[kWh]	5882
Space heating 35°C	P_{rated} (declared heating capacity) @ –22°C	[kW]	9.79
	Seasonal space heating efficiency (η_S)	[%]	144.1
	Annual energy consumption	[kWh]	5502
Warmer climate (Design temperature = 2°C)			
Space heating 55°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	12.58
	Seasonal space heating efficiency (η_S)	[%]	181
	Annual energy consumption	[kWh]	4917
Space heating 35°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	12.79
	Seasonal space heating efficiency (η_S)	[%]	240.1
	Annual energy consumption	[kWh]	4348
Sound Power (*)		[dB(A)]	62
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]	4800
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]	9.55
	COP_d (declared COP)	-	2.88
	C_{dh} (degradation coefficient)	-	0.00
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	6.94
	COP_d (declared COP)	-	4.71
	C_{dh} (degradation coefficient)	-	0.00
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	6.06
	COP_d (declared COP)	-	5.98
	C_{dh} (degradation coefficient)	-	0.99
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	6.73
	COP_d (declared COP)	-	7.79
	C_{dh} (degradation coefficient)	-	0.99
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10
	P_{dh} (declared heating capacity)	[kW]	9.28
	COP_d (declared COP)	-	2.53
	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]	9.55
	COP_d (declared COP)	-	2.88
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]	1.51