Product Information

Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump space heater		No label found for faw.heatpump.single.	GT-SKR040KBDC-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]	12.71
	Seasonal space heating efficiency (η_S)	[%]	125.4
	Annual energy consumption	[kWh]	8180
Space heating 35°C	P_{rated} **(declared heating capacity) @ –10°C**	[kW]	13.71
	Seasonal space heating efficiency (η_S)	[%]	161.6
	Annual energy consumption	[kWh]	6883
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]	11.71
	Seasonal space heating efficiency (η_S)	[%]	97.8
	Annual energy consumption	[kWh]	9599
Space heating 35°C	P_{rated} **(declared heating capacity) @ –22°C**	[kW]	12.71
	Seasonal space heating efficiency (η_S)	[%]	126
	Annual energy consumption	[kWh]	8139
Warmer climate (Design temperature = 2°C)			
Space heating 55°C	P_{rated} **(declared heating capacity) @ 2°C**	[kW]	14.71
	Seasonal space heating efficiency (η_S)	[%]	163
	Annual energy consumption	[kWh]	7322
Space heating 35°C	P_{rated} **(declared heating capacity) @ 2°C**	[kW]	15.71
	Seasonal space heating efficiency (η_S)	[%]	210.1
	Annual energy consumption	[kWh]	6093
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)**	$[m^3/h]$	4800
Brine/water to water unit	**Rated water/brine flow (outdoor H/E)**	$[m^3/h]$	
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]	12.13
	COP_d **(declared COP)**	-	2.91
	Cdh (degradation coefficient)	-	0.00
(B) condition (2°C)	P_{dh} **(declared heating capacity)**	[kW]	8.84
	COP_d **(declared COP)**	-	4.08
	Cdh (degradation coefficient)	-	0.00
(C) condition (7°C)	P_{dh} **(declared heating capacity)**	[kW]	6.30
	COP_d **(declared COP)**	-	4.74
	Cdh (degradation coefficient)	-	0.99
(D) condition (12°C)	P_{dh} **(declared heating capacity)**	[kW]	7.68
	COP_d **(declared COP)**	-	6.90
	Cdh (degradation coefficient)	-	0.99
(E) Tol (temperature operating limit)	**Tol (temperature operating limit)**	[°C]	-10
	P_{dh} **(declared heating capacity)**	[kW]	11.03
	COP_d **(declared COP)**	-	2.67
	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]	12.13
	COP_d **(declared COP)**	-	2.91
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]	2.68

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
Energy labels and product fiches for additional combinations, packages and other products can be found on 'energylabel.daikin.eu.'
Sound power level in heating mode, measured according to the EN15036 for combustion boilers and EN 12102 for heat pumps under conditions of the EN ISO 3746, accuracy class 3
This data is for comparison of Energy efficiencies according to Regulation (EU) 2017/1369, for correct selection of products for your application, contact your dealer.
Depending on your application and the product selected an additional supplementary heater may have to be installed.