Product Information

DAIKIN

PRODUCT FICHE

Heat pump space heater			Outdoor	EPGA16DAV3
			Indoor	EABX16DA9W

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]	16
	Seasonal space heating efficiency (η_S)	[%]	134
	Annual energy consumption	[kWh]	9,628
Space heating 35°C	P_{rated} (declared heating capacity) @ –10°C	[kW]	14
	Seasonal space heating efficiency (η_S)	[%]	182
	Annual energy consumption	[kWh]	6,267
off peak operation function integrated in Heat pump		Y/N	false

Colder climate (Design temperature = –22°C)

Space heating 55°C	P_{rated} (declared heating capacity) @ –22°C	[kW]	15
	Seasonal space heating efficiency (η_S)	[%]	121
	Annual energy consumption	[kWh]	12,249
Space heating 35°C	P_{rated} (declared heating capacity) @ –22°C	[kW]	18
	Seasonal space heating efficiency (η_S)	[%]	157
	Annual energy consumption	[kWh]	11,061

Warmer climate (Design temperature = 2°C)

Space heating 55°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	14
	Seasonal space heating efficiency (η_S)	[%]	166
	Annual energy consumption	[kWh]	4,270
Space heating 35°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	14
	Seasonal space heating efficiency (η_S)	[%]	243
	Annual energy consumption	[kWh]	3,044

Indoor sound power (*)	[dB(A)]	44.0
Outdoor sound power (*)	[dB(A)]	66.0

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	Yes
	For heat pump combination heater:	Y/N	No
Air to water unit	Rated airflow (outdoor)	[m³/h]	8,100
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]	0.021
	P_{to} (Power consumption Thermostat off mode)	[kW]	0.041
	P_{sb} (Power consumption Standby mode)	[kW]	0.021
	P_{CK} (Power crankcase heater model)	[kW]	0.000
	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]	13.1
	COP_d (declared COP)	-	2.23
	Cdh (degradation coefficient)	-	1.0
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	8.7
	COP_d (declared COP)	-	3.26
	Cdh (degradation coefficient)	-	1.0
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	5.8
	COP_d (declared COP)	-	4.62
	Cdh (degradation coefficient)	-	1.0
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	5.2
	COP_d (declared COP)	-	6.47
	Cdh (degradation coefficient)	-	0.95
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10
	P_{dh} (declared heating capacity)	[kW]	13.2
	COP_d (declared COP)	-	2.05
	WTOL (Heating water Operation Limit)	[°C]	55
(F) No label found for faw.tbivalent.temperaturee.	T_{blv}	[°C]	-5
	P_{dh} (declared heating capacity)	[kW]	12.9
	COP_d (declared COP)	-	2.40
Capacity of the back-up heater integrated in the unit	P_{sup} back-up heater (@Tdesignh: –10°C)	[kW]	9.0
Supplementary capacity at P_design	P_{sup} (@Tdesignh: –10°C)	[kW]	9.0