DAIKIN

PRODUCT FICHE

Heat pump space heater			Outdoor	EPRA14DAW1
			Indoor	ETBH16DA9W
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]		13
	Seasonal space heating efficiency (η_S)	[%]		140
	Annual energy consumption	[kWh]		7,236
Space heating 35°C	P_{rated} (declared heating capacity) @ –10°C	[kW]		13
	Seasonal space heating efficiency (η_S)	[%]		186
	Annual energy consumption	[kWh]		5,479
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]		13
	Seasonal space heating efficiency (η_S)	[%]		125
	Annual energy consumption	[kWh]		9,658
Space heating 35°C	P_{rated} (declared heating capacity) @ –22°C	[kW]		13
	Seasonal space heating efficiency (η_S)	[%]		163
	Annual energy consumption	[kWh]		7,425
Warmer climate (Design temperature = 2°C)				
Space heating 55°C	P_{rated} (declared heating capacity) @ 2°C	[kW]		13
	Seasonal space heating efficiency (η_S)	[%]		161
	Annual energy consumption	[kWh]		4,063
Space heating 35°C	P_{rated} (declared heating capacity) @ 2°C	[kW]		13
	Seasonal space heating efficiency (η_S)	[%]		220
	Annual energy consumption	[kWh]		2,992
Indoor sound power (*)		[dB(A)]		44.0
Outdoor sound power (*)		[dB(A)]		54.0
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		Yes
Air to water unit	Rated airflow (outdoor)	[m³/h]		
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]		0.031
	P_{to} (Power consumption Thermostat off mode)	[kW]		0.033
	P_{sb} (Power consumption Standby mode)	[kW]		0.042
	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]		11.1
	COP_d (declared COP)	-		2.43
	Cdh (degradation coefficient)	-		1.0
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]		6.7
	COP_d (declared COP)	-		3.52
	Cdh (degradation coefficient)	-		1.0
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]		6.5
	COP_d (declared COP)	-		4.54
	Cdh (degradation coefficient)	-		1.0
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]		5.2
	COP_d (declared COP)	-		5.97
	Cdh (degradation coefficient)	-		1.0
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]		-10
	P_{dh} (declared heating capacity)	[kW]		12.5
	COP_d (declared COP)	-		2.12
	WTOL (Heating water Operation Limit)	[°C]		55
(F) No label found for faw.tbivalent.temperaturee.	T_{blv}	[°C]		-10
	P_{dh} (declared heating capacity)	[kW]		12.5
	COP_d (declared COP)	-		2.12
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