

Product fiche

HEAT PUMP SPACE HEATER		Outdoor	AQS140X1o
		Indoor	AQS160X13i
Indoor unit sound power (*)		[dB(A)]	43.0
Outdoor unit sound power (*)	Average climate low temperature application	[dB(A)]	65.0
	Average climate medium temperature application	[dB(A)]	65.0
Capacity of the backup heater integrated in the unit	P _{sup} back-up heater (optional)	[kW]	0/3/9
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++
Space heating	Energy efficiency class 55°C (Medium temp. app.)	-	A++
Average climate (Design temperature = -10°C)			
Space heating 35°C	P _{rated} (declared heating capacity) @ -10°C	[kW]	13.7
	Seasonal space heating efficiency (η _s)	[%]	185.7
	Annual energy consumption	[kWh]	6,012
Space heating 55°C	P _{rated} (declared heating capacity) @ -10°C	[kW]	12.1
	Seasonal space heating efficiency (η _s)	[%]	135.6
	Annual energy consumption	[kWh]	7,202
Part load conditions space heating average climate low temperature application			
(A) condition (-7°C)	P _{th} (declared heating capacity)	[kW]	12.14
	COP _d (declared COP)	-	2.79
	C _{th} (degradation coefficient)	-	0.00
(B) condition (2°C)	P _{th} (declared heating capacity)	[kW]	7.94
	COP _d (declared COP)	-	4.52
	C _{th} (degradation coefficient)	-	0.00
(C) condition (7°C)	P _{th} (declared heating capacity)	[kW]	5.20
	COP _d (declared COP)	-	6.68
	C _{th} (degradation coefficient)	-	0.00
(D) condition (12°C)	P _{th} (declared heating capacity)	[kW]	3.75
	COP _d (declared COP)	-	8.52
	C _{th} (degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P _{th} (declared heating capacity)	[kW]	11.47
	COP _d (declared COP)	-	2.59
	W _{TOL} (Heating water Operation Limit)	[°C]	60.00
(F) Tivalent temperature	T _{blv}	[°C]	-7.00
	P _{th} (declared heating capacity)	[kW]	12.14
	COP _d (declared COP)	-	2.79
Supplementary capacity at P _{design}	P _{sup} (@T _{designh} : -10°C)	[kW]	2.23
Part load conditions space heating average climate medium temperature application			
(A) condition (-7°C)	P _{th} (declared heating capacity)	[kW]	10.68
	COP _d (declared COP)	-	2.01
	C _{th} (degradation coefficient)	-	0.00
(B) condition (2°C)	P _{th} (declared heating capacity)	[kW]	6.86
	COP _d (declared COP)	-	3.43
	C _{th} (degradation coefficient)	-	0.00
(C) condition (7°C)	P _{th} (declared heating capacity)	[kW]	4.63
	COP _d (declared COP)	-	4.66
	C _{th} (degradation coefficient)	-	0.00
(D) condition (12°C)	P _{th} (declared heating capacity)	[kW]	3.31
	COP _d (declared COP)	-	6.13
	C _{th} (degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P _{th} (declared heating capacity)	[kW]	9.19
	COP _d (declared COP)	-	1.76
	W _{TOL} (Heating water Operation Limit)	[°C]	60.00
(F) Tivalent temperature	T _{blv}	[°C]	-7.00
	P _{th} (declared heating capacity)	[kW]	10.68
	COP _d (declared COP)	-	2.01
Supplementary capacity at P _{design}	P _{sup} (@T _{designh} : -10°C)	[kW]	2.91