Product fiche

HEAT PUMP SPACE HEATER		Outdoor	AQS160X3o
		Indoor	AQS160X13i
Indoor unit sound power (*)		[dB(A)]	43.0
Outdoor unit sound power (*)	Average climate low temperature application	[dB(A)]	68.0
	Average climate medium temperature application	[dB(A)]	68.0
Capicity 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]	15.2
	Seasonal space heating efficiency (ηs)	[%]	181.6
	Annual energy consumption	[kWh]	6,805
Space heating 55°C	P_{rated} (declared heating capacity) @- 10°C	[kW]	13.0
	Seasonal space heating efficiency (ηs)	[%]	133.2
	Annual energy consumption	[kWh]	7,896
Part load conditions space heating average climate low temperature application			
(A) condition (-7°C)	P_{dh} (declared heating capacity)	[kW]	13.45
	COP_d (declared COP)	-	2.72
	C_{dh} (degradation coefficient)	-	0.00
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	8.56
	COP_d (declared COP)	-	4.41
	C_{dh}(degradation coefficient)	-	0.00
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	5.70
	COP_d (declared COP)	-	6.56
	C_{dh}(degradation coefficient)	-	0.00
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	3.78
	COP_d (declared COP)	-	8.51
	C_{dh}(degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P_{dh} (declared heating capacity)	[kW]	12.52
	COP_d (declared COP)	-	2.48
	W_{TOL} (Heating w ater Operation Limit)	[°C]	60.00
(F) Tbivalent temperature	Tbiv	[°C]	-7.00
	P_{dh} (declared heating capacity)	[kW]	13.45
	COP_d (declared COP)	-	2.72
Supplementary capacity at P_design	P_{sup} (@Tdesignh: –10°C)	[kW]	2.68
Part load conditions space heating average climate medium temperature application			
(A) condition (-7°C)	P_{dh} (declared heating capacity)	[kW]	11.52
	COP_d (declared COP)	-	1.99
	C_{dh}(degradation coefficient)	-	0.00
(B) condition (2°C)	P_{dh} (declared heating capacity)	[kW]	7.18
	COP_d (declared COP)	-	3.34
	C_{dh}(degradation coefficient)	-	0.00
(C) condition (7°C)	P_{dh} (declared heating capacity)	[kW]	4.67
	COP_d (declared COP)	-	4.61
	C_{dh}(degradation coefficient)	-	0.00
(D) condition (12°C)	P_{dh} (declared heating capacity)	[kW]	3.32
	COP_d (declared COP)	-	6.07
	C_{dh}(degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P_{dh} (declared heating capacity)	[kW]	10.33
	COP_d (declared COP)	-	1.80
	W_{TOL} (Heating w ater Operation Limit)	[°C]	60.00
(F) Tbivalent temperature	Tbiv	[°C]	-7.00
	P_{dh} (declared heating capacity)	[kW]	11.52
	COP_d (declared COP)	-	1.99
Supplementary capacity at P_design	P_{sup} (@Tdesignh: –10°C)	[kW]	2.67

Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.