

Product fiche

HEAT PUMP SPACE HEATER		Model	AQM100X1
Unit sound power (*)	Average climate low temperature application	[dB(A)]	60.0
	Average climate medium temperature application	[dB(A)]	60.0
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]	9.2
	Seasonal space heating efficiency (η _s)	[%]	204.8
	Annual energy consumption	[kWh]	3644
Space heating 55°C	P _{rated} (declared heating capacity) @ -10°C	[kW]	7.7
	Seasonal space heating efficiency (η _s)	[%]	135.7
	Annual energy consumption	[kWh]	4,567
Part load conditions space heating average climate low temperature application			
(A) condition (-7°C)	P _{dh} (declared heating capacity)	[kW]	8.10
	COP _d (declared COP)	-	3.23
	C _{dh} (degradation coefficient)	-	0.00
(B) condition (2°C)	P _{dh} (declared heating capacity)	[kW]	5.18
	COP _d (declared COP)	-	5.01
	C _{dh} (degradation coefficient)	-	0.00
(C) condition (7°C)	P _{dh} (declared heating capacity)	[kW]	3.32
	COP _d (declared COP)	-	7.08
	C _{dh} (degradation coefficient)	-	0.00
(D) condition (12°C)	P _{dh} (declared heating capacity)	[kW]	1.65
	COP _d (declared COP)	-	8.58
	C _{dh} (degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P _{dh} (declared heating capacity)	[kW]	7.40
	COP _d (declared COP)	-	2.96
	W _{TOL} (Heating water Operation Limit)	[°C]	60.00
(F) Tbivalent temperature	Tblv	[°C]	-7.00
	P _{dh} (declared heating capacity)	[kW]	8.10
	COP _d (declared COP)	-	3.23
Supplementary capacity at P _{design}	P _{sup} (@Tdesignh: -10°C)	[kW]	1.76
Part load conditions space heating average climate medium temperature application			
(A) condition (-7°C)	P _{dh} (declared heating capacity)	[kW]	6.78
	COP _d (declared COP)	-	2.24
	C _{dh} (degradation coefficient)	-	0.00
(B) condition (2°C)	P _{dh} (declared heating capacity)	[kW]	4.28
	COP _d (declared COP)	-	3.42
	C _{dh} (degradation coefficient)	-	0.00
(C) condition (7°C)	P _{dh} (declared heating capacity)	[kW]	2.77
	COP _d (declared COP)	-	4.52
	C _{dh} (degradation coefficient)	-	0.00
(D) condition (12°C)	P _{dh} (declared heating capacity)	[kW]	1.58
	COP _d (declared COP)	-	5.68
	C _{dh} (degradation coefficient)	-	0.90
(E) TOL (temperature operating limit)	TOL (temperature operating limit)	[°C]	-10.00
	P _{dh} (declared heating capacity)	[kW]	5.38
	COP _d (declared COP)	-	1.83
	W _{TOL} (Heating water Operation Limit)	[°C]	60.00
(F) Tbivalent temperature	Tblv	[°C]	-7.00
	P _{dh} (declared heating capacity)	[kW]	6.78
	COP _d (declared COP)	-	2.24
Supplementary capacity at P _{design}	P _{sup} (@Tdesignh: -10°C)	[kW]	2.28

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