

Product Information According to DIRECTIVE 2009/125/EC

Product information according to "Commission Regulation (EU) No 1253/2014, annex IV - Information requirements for RVUs as referred to in Article 4(1)" and "Commission Delegated Regulation (EU) No 1254/2014, Annex IV - Product fiche".

a)	Supplier	Airmaster	
b)	Model	AM 150	AM 300
c)	Specific energy consumption (SEC)		
	Cold climate	-79,1 kWh/(m ² · a)	-78,6 kWh/(m ² · a)
	Average climate	-41,5 kWh/(m ² · a)	-40,8 kWh/(m ² · a)
	Warm climate	-17,4 kWh/(m ² · a)	-16,6 kWh/(m ² · a)
	SEC class	A	A
d)	Typology	Residential ventilation unit / Bidirectional ventilation unit	
e)	Type of drive installed	Variable speed drive (VSD)	
f)	Type of heat recovery system	Recuperative heat exchanger / Counterflow heat exchanger	
g)	Thermal efficiency	82 %	83 %
h)	Maximum flow rate	0,035 m ³ /s @ 20 Pa 126 m ³ /h @ 20 Pa	0,075 m ³ /s @ 30 Pa 270 m ³ /h @ 30 Pa
i)	Electric power input	30 W	95 W
j)	Sound power level (L _{WA})	40 dB(A)	40 dB(A)
k)	Reference flow rate	0,025 m ³ /s 89 m ³ /h	0,057 m ³ /s 205 m ³ /h
l)	Reference pressure difference	20 Pa	20 Pa
m)	Specific power input (SPI)	730 W/(m ³ /s) 0,203 W/(m ³ /h)	950 W/(m ³ /s) 0,264 W/(m ³ /h)
n)	Control factor and typology	MISC = 1,21 Non-ducted unit CTRL = 0,65 Local demand control X = 2 Variable speed drive (VSD)	MISC = 1,21 CTRL = 0,65 X = 2
o)	Maximum external leakage rate	2 % @ 250 Pa	2 % @ 250 Pa
	Maximum internal leakage rate	2 % @ 100 Pa	2 % @ 100 Pa
p)	Mixing rate	Max. 5 % at unfavourable wind direction and speed	
q)	Filter alarm signal	See description in Operator's Manual	
r)	Instructions regarding unidirectional ventilation unit	Not relevant	
s)	Disposal	See description in Operator's Manual, www.airmaster-as.com/en/	
t)	Airflow sensitivity to pressure variations	+/- 7,9 %	+/- 3,7 %
u)	Air tightness	1,5 m ³ /h	1,5 m ³ /h
v)	Annual electricity consumption (AEC)		
	Cold climate	687 kWh/(100 m ² ·a)	736 kWh/(100 m ² ·a)
	Average climate	150 kWh/(100 m ² ·a)	199 kWh/(100 m ² ·a)
	Warm climate	105 kWh/(100 m ² ·a)	154 kWh/(100 m ² ·a)
w)	Annual heating saved (AHS)		
	Cold climate	8785 kWh/(100 m ² ·a)	8829 kWh/(100 m ² ·a)
	Average climate	4490 kWh/(100 m ² ·a)	4513 kWh/(100 m ² ·a)
	Warm climate	2031 kWh/(100 m ² ·a)	2041 kWh/(100 m ² ·a)

Product information according to “Commission Regulation (EU) No 1253/2014, Annex V - Information requirements for NR/Us as referred to in Article 4(2)”.

a)	Manufacturer	Airmaster		
b)	Model	AM 500	AM 800	AM 900
c)	Typology	Non-residential ventilation unit / Bidirectional ventilation unit		
d)	Type of drive installed	Variable speed drive (VSD)		
e)	Type of heat recovery system	Recuperative heat exchanger / Counterflow heat exchanger		
f)	Thermal efficiency	82 %	84 %	89 %
g)	Nominal flow rate	0,110 m ³ /s 396 m ³ /h	0,167 m ³ /s 600 m ³ /h	0,185 m ³ /s 665 m ³ /h
h)	Electric power input	0,12 kW	0,11 kW	0,15 kW
i)	Internal specific fan power (SFP _{int})	1011 W/(m ³ /s) 0,281 W/(m ³ /h)	664 W/(m ³ /s) 0,184 W/(m ³ /h)	670 W/(m ³ /s) 0,186 W/(m ³ /h)
j)	Face velocity	0,8 m/s	1,0 m/s	1,0 m/s
k)	Nominal external pressure ($\Delta p_{s,ext}$)	20 Pa	20 Pa	20 Pa
l)	Internal pressure drop of ventilation components ($\Delta p_{s,int}$)	195 Pa	111 Pa	114 Pa
m)	Internal pressure drop of non-ventilation components ($\Delta p_{s,add}$)	Water Comfort Heater: 10 Pa	Water Comfort Heater: 10 Pa	Water Comfort Heater: 10 Pa
n)	Static efficiency of fans	40 %	39 %	37 %
o)	Maximum external leakage rate Maximum internal leakage rate	2 % @ 400 Pa 2 % @ 250 Pa	2 % @ 400 Pa 2 % @ 250 Pa	2 % @ 400 Pa 2 % @ 250 Pa
p)	Energy performance of the filters	206 kWh/a, Class A+	330 kWh/a, Class A+	459 kWh/a, Class A+
q)	Filter alarm signal	See description in Operator's Manual		
r)	Sound power level (L _{WA})	40 dB(A)	40 dB(A)	40 dB(A)
s)	Disposal	See description in Operator's Manual, www.airmaster-as.com/en/		
	Specific requirements 2018			
	Thermal efficiency	>73%	>73%	>73%
	Internal specific fan power (SFP _{int,limit})	1354 W/(m ³ /s)	1406 W/(m ³ /s)	1552 W/(m ³ /s)

a)	Manufacturer	Airmaster		
b)	Model	AM 1000	AM 1200	DV 1000
c)	Typology	Non-residential ventilation unit / Bidirectional ventilation unit		
d)	Type of drive installed	Variable speed drive (VSD)		
e)	Type of heat recovery system	Recuperative heat exchanger / Counterflow heat exchanger		
f)	Thermal efficiency	80 %	84 %	81 %
g)	Nominal flow rate	0,264 m ³ /s 950 m ³ /h	0,264 m ³ /s 950 m ³ /h	0,290 m ³ /s 1044 m ³ /h
h)	Electric power input	0,23 kW	0,17 kW	0,36 kW
i)	Internal specific fan power (SFP _{int})	771 W/(m ³ /s) 0,214 W/(m ³ /h)	491 W/(m ³ /s) 0,136 W/(m ³ /h)	638 W/(m ³ /s) 0,177 W/(m ³ /h)
j)	Face velocity	0,8 m/s	0,8 m/s	1,0 m/s
k)	Nominal external pressure ($\Delta p_{s,ext}$)	20 Pa	20 Pa	100 Pa
l)	Internal pressure drop of ventilation components ($\Delta p_{s,int}$)	194 Pa	85 Pa	140 Pa
m)	Internal pressure drop of non-ventilation components ($\Delta p_{s,add}$)	Water Comfort Heater: 10 Pa	Water Comfort Heater: 10 Pa	Undisclosed
n)	Static efficiency of fans	55 %	38 %	47 %
o)	Maximum external leakage rate Maximum internal leakage rate	2 % @ 400 Pa 2 % @ 250 Pa	2 % @ 400 Pa 2 % @ 250 Pa	2 % @ 400 Pa 2 % @ 250 Pa
p)	Energy performance of the filters	261 kWh/a, Class A+	450 kWh/a, Class A+	403 kWh/a, Class A+
q)	Filter alarm signal	See description in Operator's Manual		
r)	Sound power level (L _{WA})	40 dB(A)	40 dB(A)	47 dB(A)
s)	Disposal	See description in Operator's Manual, www.airmaster-as.com/en/		
	Specific requirements 2018			
	Thermal efficiency	>73%	>73%	>73%
	Internal specific fan power (SFP _{int,limit})	1270 W/(m ³ /s)	1390 W/(m ³ /s)	1297 W/(m ³ /s)

Product information according to "COMMISSION REGULATION (EU) No 206/2012, ANNEX I, 3. PRODUCT INFORMATION REQUIREMENTS, table 2 - Information requirements".

Description	Symbol	Unit	CC 150	CC 500
Rated capacity for cooling	P_{rated} for cooling	[kW]	0,6	3,3
Rated capacity for heating	P_{rated} for heating	[kW]	Not relevant	Not relevant
Rated power input for cooling	P_{EER}	[kW]	0,1	1,0
Rated power input for heating	P_{COP}	[kW]	Not relevant	Not relevant
Rated Energy efficiency ratio	EER_d	[-]	4,0	3,2
Rated Coefficient of performance	COP_d	[-]	Not relevant	Not relevant
Power consumption in thermostat-off mode	P_{TO}	[W]	0	0
Power consumption in standby mode	P_{SB}	[W]	0	0
Electricity consumption of double duct appliances	Q_{DD}	[kWh/a]	50	364
Sound power level	L_{WA}	[dB(A)]	<30	44
Global warming potential	GWP	[kg CO2 eq.]	1430	2088
Contact details for obtaining more information	Airmaster A/S, Industrivej 59, DK-9600 Aars			

Description	Symbol	Unit	CC 800	CC 1000
Rated capacity for cooling	P_{rated} for cooling	[kW]	5,2	6,5
Rated capacity for heating	P_{rated} for heating	[kW]	Not relevant	Not relevant
Rated power input for cooling	P_{EER}	[kW]	1,1	1,5
Rated power input for heating	P_{COP}	[kW]	Not relevant	Not relevant
Rated Energy efficiency ratio	EER_d	[-]	4,7	4,5
Rated Coefficient of performance	COP_d	[-]	Not relevant	Not relevant
Power consumption in thermostat-off mode	P_{TO}	[W]	0	0
Power consumption in standby mode	P_{SB}	[W]	0	0
Electricity consumption of double duct appliances	Q_{DD}	[kWh/a]	389	508
Sound power level	L_{WA}	[dB(A)]	45	54
Global warming potential	GWP	[kg CO2 eq.]	2088	2088
Contact details for obtaining more information	Airmaster A/S, Industrivej 59, DK-9600 Aars			