



# PRODUCT PERFORMANCE RATING

Document ID 010420211818-16183101

Issued on 4 January 2021

This product is certified by Eurovent Certita Certification as mentioned on

**Certificate N° 19.10.171**

This document is valid at the date of issue - **Check the current validity on [www.eurovent-certification.com](http://www.eurovent-certification.com)**

Product	Eurovent Heat Pump (Eurovent-HP)
Product type	Variable Refrigerant Flow/ Air cooled/ Reversible
Brand	SAMSUNG
Range	DVM S Eco
Product référence	AM120KXMDGH

This performance certificate is delivered for the following project:

Project Name	Company	Project reference	Project location
AMBIENT-SAMSUNG CLIMATE SOLUTIONS	AMBIENT-SAMSUNG CLIMATE SOLUTIONS	SAMSUNG VRF DVM S Eco	Greece

FEATURE	VALUE	UNIT
<b>COOLING</b>		
Pc out	33.50	kW
Pec out	11.67	kW
EERout	2.87	



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FEATURE	VALUE	UNIT
<b>HEATING</b>		
Ph out	37.50	kW
Peh out	10.30	kW
COPout	3.64	

FEATURE	VALUE	UNIT
<b>ACOUSTICS</b>		
LwO env	77.00	dB(A)

FEATURE	VALUE	UNIT
<b>SOUND IN HEATING</b>		
LwO env in heating	79.00	dB(A)

FEATURE	VALUE	UNIT
<b>SEASONALCOOLING</b>		
SEER	7.45	
$\eta_{sc}$	295.00	%



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FEATURE	VALUE	UNIT
<b>COOLING PL COND B</b>		
PcB	24.70	kW
EERB	5.30	

FEATURE	VALUE	UNIT
<b>COOLING PL COND C</b>		
PcC	15.80	kW
EERC	8.80	

FEATURE	VALUE	UNIT
<b>COOLING PL COND D</b>		
PcD	10.50	kW
EERD	17.00	



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FEATURE	VALUE	UNIT
<b>SEASONAL HEATING</b>		
Pdesignh	21.00	kW
SCOP	4.25	
$\eta_{sh}$	167.00	%

FEATURE	VALUE	UNIT
<b>HEATING PL COND A</b>		
PhA	18.50	kW
COPA	2.80	

FEATURE	VALUE	UNIT
<b>HEATING PL COND B</b>		
PhB	11.30	kW
COPB	3.80	



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FEATURE	VALUE	UNIT
<b>HEATING PL COND C</b>		
PhC	7.40	kW
COPC	6.40	

FEATURE	VALUE	UNIT
<b>HEATING PL COND D</b>		
PhD	5.30	kW
COPD	8.00	

FEATURE	VALUE	UNIT
<b>T BIVALENT</b>		
Tbiv	-10.00	°C
PhTbiv	21.00	kW
COPTbiv	2.10	

FEATURE	VALUE	UNIT
<b>PSBC</b>		
Psbc	30.00	W



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FEATURE	VALUE	UNIT
<b>PSBH</b>		
Psbh	30.00	W

FEATURE	VALUE	UNIT
<b>GENERAL - PRODUCT</b>		
Main Power Supply	400-3-50	
Refrigerant	R410A	
Mounting	Cassette	
Cassette Type	4-way	
IU Names	AM056NN4FEH	
IU Range Names	Wind Free High Efficiency	
Capacity Control	Variable	