



# PRODUCT PERFORMANCE RATING

Document ID 010420211816-16183094

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	AM050NXMDER/EU

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	14.00	kW
Pec out	3.41	kW
EERout	4.11	



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FEATURE	VALUE	UNIT
<b>HEATING</b>		
Ph out	14.00	kW
Peh out	2.98	kW
COPout	4.70	

FEATURE	VALUE	UNIT
<b>ACOUSTICS</b>		
LwO env	69.00	dB(A)

FEATURE	VALUE	UNIT
<b>SOUND IN HEATING</b>		
LwO env in heating	73.00	dB(A)

FEATURE	VALUE	UNIT
<b>SEASONALCOOLING</b>		
SEER	9.45	
$\eta_{sc}$	375.00	%



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FEATURE	VALUE	UNIT
<b>COOLING PL COND B</b>		
PcB	10.30	kW
EERB	7.30	

FEATURE	VALUE	UNIT
<b>COOLING PL COND C</b>		
PcC	6.60	kW
EERC	12.00	

FEATURE	VALUE	UNIT
<b>COOLING PL COND D</b>		
PcD	4.60	kW
EERD	17.50	



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FEATURE	VALUE	UNIT
<b>SEASONAL HEATING</b>		
Pdesignh	9.70	kW
SCOP	4.52	
$\eta_{sh}$	177.80	%

FEATURE	VALUE	UNIT
<b>HEATING PL COND A</b>		
PhA	8.50	kW
COPA	2.70	

FEATURE	VALUE	UNIT
<b>HEATING PL COND B</b>		
PhB	5.20	kW
COPB	4.50	



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FEATURE	VALUE	UNIT
<b>HEATING PL COND C</b>		
PhC	3.40	kW
COPC	6.30	

FEATURE	VALUE	UNIT
<b>HEATING PL COND D</b>		
PhD	2.50	kW
COPD	7.00	

FEATURE	VALUE	UNIT
<b>T BIVALENT</b>		
Tbiv	-10.00	°C
PhTbiv	9.70	kW
COPTbiv	2.40	

FEATURE	VALUE	UNIT
<b>PSBC</b>		
Psbc	22.00	W



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FEATURE	VALUE	UNIT
<b>PSBH</b>		
Psbh	22.00	W

FEATURE	VALUE	UNIT
<b>GENERAL - PRODUCT</b>		
Main Power Supply	230-1-50	
Refrigerant	R410A	
Mounting	Cassette	
Cassette Type	4-way	
IU Names	AM036NN4FEH	
IU Range Names	Wind Free High Efficiency	
Capacity Control	Variable	