



# PRODUCT PERFORMANCE RATING

Document ID 010420211818-16183100

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	AM100KXMDGH

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	28.00	kW
Pec out	9.59	kW
EERout	2.92	



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FEATURE	VALUE	UNIT
<b>HEATING</b>		
Ph out	31.50	kW
Peh out	8.87	kW
COPout	3.55	

FEATURE	VALUE	UNIT
<b>ACOUSTICS</b>		
LwO env	75.00	dB(A)

FEATURE	VALUE	UNIT
<b>SOUND IN HEATING</b>		
LwO env in heating	82.00	dB(A)

FEATURE	VALUE	UNIT
<b>SEASONALCOOLING</b>		
SEER	7.34	
$\eta_{sc}$	290.60	%



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FEATURE	VALUE	UNIT
<b>COOLING PL COND B</b>		
PcB	20.60	kW
EERB	5.00	

FEATURE	VALUE	UNIT
<b>COOLING PL COND C</b>		
PcC	13.30	kW
EERC	8.80	

FEATURE	VALUE	UNIT
<b>COOLING PL COND D</b>		
PcD	8.90	kW
EERD	17.00	



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FEATURE	VALUE	UNIT
<b>SEASONAL HEATING</b>		
Pdesignh	19.90	kW
SCOP	4.49	
ηsh	176.60	%

FEATURE	VALUE	UNIT
<b>HEATING PL COND A</b>		
PhA	16.70	kW
COPA	3.20	

FEATURE	VALUE	UNIT
<b>HEATING PL COND B</b>		
PhB	10.30	kW
COPB	4.00	



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FEATURE	VALUE	UNIT
<b>HEATING PL COND C</b>		
PhC	6.70	kW
COPC	6.40	

FEATURE	VALUE	UNIT
<b>HEATING PL COND D</b>		
PhD	4.80	kW
COPD	8.00	

FEATURE	VALUE	UNIT
<b>T BIVALENT</b>		
Tbiv	-10.00	°C
PhTbiv	19.00	kW
COPTbiv	2.40	

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	AM071KN4FEH	
IU Range Names	Wind Free High Efficiency	
Capacity Control	Variable	