



PRODUCT PERFORMANCE RATING

Document ID 010420211818-16183102

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**

Product	Eurovent Heat Pump (Eurovent-HP)
Product type	Variable Refrigerant Flow/ Air cooled/ Reversible
Brand	SAMSUNG
Range	DVM S Eco
Product référence	AM140KXMDGH

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
COOLING		
Pc out	40.00	kW
Pec out	14.29	kW
EERout	2.80	



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FEATURE	VALUE	UNIT
HEATING		
Ph out	45.00	kW
Peh out	13.01	kW
COPout	3.46	

FEATURE	VALUE	UNIT
ACOUSTICS		
LwO env	80.00	dB(A)

FEATURE	VALUE	UNIT
SOUND IN HEATING		
LwO env in heating	82.00	dB(A)

FEATURE	VALUE	UNIT
SEASONALCOOLING		
SEER	7.41	
η_{sc}	293.40	%



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FEATURE	VALUE	UNIT
COOLING PL COND B		
PcB	29.50	kW
EERB	5.10	

FEATURE	VALUE	UNIT
COOLING PL COND C		
PcC	18.90	kW
EERC	9.00	

FEATURE	VALUE	UNIT
COOLING PL COND D		
PcD	12.50	kW
EERD	17.00	



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FEATURE	VALUE	UNIT
SEASONALHEATING		
Pdesignh	24.00	kW
SCOP	4.15	
η_{sh}	163.00	%

FEATURE	VALUE	UNIT
HEATING PL COND A		
PhA	21.10	kW
COPA	2.60	

FEATURE	VALUE	UNIT
HEATING PL COND B		
PhB	13.00	kW
COPB	3.60	



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FEATURE	VALUE	UNIT
HEATING PL COND C		
PhC	8.40	kW
COPC	6.70	

FEATURE	VALUE	UNIT
HEATING PL COND D		
PhD	6.00	kW
COPD	8.10	

FEATURE	VALUE	UNIT
T BIVALENT		
Tbiv	-10.00	°C
PhTbiv	24.00	kW
COPTbiv	2.00	

FEATURE	VALUE	UNIT
PSBC		
Psbc	30.00	W



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FEATURE	VALUE	UNIT
PSBH		
Psbh	30.00	W

FEATURE	VALUE	UNIT
GENERAL - PRODUCT		
Main Power Supply	400-3-50	
Refrigerant	R410A	
Mounting	Cassette	
Cassette Type	4-way	
IU Names	AM056NN4FEH, AM071KN4FEH	
IU Range Names	Wind Free High Efficiency	
Capacity Control	Variable	