



PRODUCT PERFORMANCE RATING

Document ID 061620211138-23852119

Issued on 16 June 2021

This product is certified by Eurovent Certita Certification as mentioned on

Certificate N° 17.02.235

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	Liquid chilling package/ air-cooled/ packaged/ reversible
Brand	SAMSUNG
Range	Eco Heating System
Product référence	AE160RXYDEG

This performance certificate is delivered for the following project:

Project Name	Company	Project reference	Project location
EHS	AMBIENT	AMBIENT	Greece

FEATURE	VALUE	UNIT
ACOUSTICS		
LwO	68.00	dB(A)

FEATURE	VALUE	UNIT
PSBC		
Psbc	22.00	W



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FEATURE	VALUE	UNIT
POFFH		
Poffh	22.00	W

FEATURE	VALUE	UNIT
A35/W12-7		
Apc Indoor		kPa
Dpc Indoor	14.40	kPa
EER	3.16	
Pc	10.40	kW
Pec	3.29	kW

FEATURE	VALUE	UNIT
A7/W40-45		
Ph	209.40	kW
Peh	46.64	kW
COP	4.49	
Dph Indoor	3.43	kPa
Aph Indoor	21.00	kPa



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FEATURE	VALUE	UNIT
SEER		
SEER	14.00	
η_{sc} AC	557.00	%

FEATURE	VALUE	UNIT
SEER COOLING FLOOR		
SEER CF	4.27	
η_{sc} CF	167.80	%

FEATURE	VALUE	UNIT
A35/W23-18		
Apc Indoor	3.62	kPa
Apc Outdoor	4.42	kPa
Dpc Indoor	16.00	kPa
EER		
Pc		kW
Pec		kW



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FEATURE	VALUE	UNIT
A7/W30-35		
Ph		kW
Peh		kW
COP		
Dph Indoor		kPa
Aph Indoor		kPa

FEATURE	VALUE	UNIT
LRCONTMINH		
Capacity Control	Variable	

FEATURE	VALUE	UNIT
EFFICIENCY AVERAGE W35		
Pdesignh Average W35	16.00	kW
SCOP Average W35	4.48	
ηsh Average W35	176.00	%



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FEATURE	VALUE	UNIT
SOUND AVERAGE W35		
LwO Average W35	66.00	dB(A)

FEATURE	VALUE	UNIT
EFFICIENCY AVERAGE W55		
Pdesignh Average W55	16.00	kW
SCOP Average W55	3.53	
ηsh Average W55	138.00	%

FEATURE	VALUE	UNIT
SOUND AVERAGE W55		
LwO Average W55	66.00	dB(A)



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FEATURE	VALUE	UNIT
GENERAL		
Type of Water Regulation	VW/VO	
Refrigerant	R32	
Main Power Supply	230-1-50	
Control of Pump Speed	Variable	
Main Intended Market	Out of EU	
Expansion Valve Type	electronic	
Indoor Heat Exchanger Dimension (WxLxH)	95*325*121	
Outdoor Heat Exchanger Type	finned tube	
Indoor Heat Exchanger Type	Plate	
Outdoor Heat Exchanger Dimensions (WxLxH)	43*950*1386	

FEATURE	VALUE	UNIT
COMPRESSOR_DETAILS		
Compressor Motor Type	BLDC	
Compressor Type	twin rotary	
Capacity Control	Variable-Speed	
Number		