



# PRODUCT PERFORMANCE RATING

Document ID 121120200255-16122746

Issued on 11 December 2020

This product is certified by Eurovent Certita Certification as mentioned on

## Certificate N° 20.11.018

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

Product	Liquid Chilling Packages and Heat Pumps / Groupe de production d'eau glacée et pompes à chaleur (LCP-HP)
Product type	Liquid chilling package/ air-cooled/ packaged/ reversible
Brand	KANIONco
Range	A Series Air Source Heat Pump
Product référence	ECOSPAR-M16kW-1N

This performance certificate is delivered for the following project:

Project Name	Company	Project reference	Project location
KANION RECORRD	KANION GROUP CO LIMITED	20201211	Macedonia

FEATURE	VALUE	UNIT
<b>ACOUSTICS</b>		
LwO	68.00	dB(A)



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FEATURE	VALUE	UNIT
<b>A35/W12-7</b>		
Pc	14.00	kW
Pec	5.60	kW
EER	2.50	
Apc Indoor	49.01	kPa

FEATURE	VALUE	UNIT
<b>A7/W40-45</b>		
Ph	16.00	kW
Peh	4.57	kW
COP	3.50	
Aph Indoor	49.01	kPa

FEATURE	VALUE	UNIT
<b>SEER</b>		
SEER	4.69	
$\eta_{sc}$	184.60	



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FEATURE	VALUE	UNIT
<b>A35/W23-18</b>		
Pc	14.90	kW
Pec	4.38	kW
EER	3.40	
Apc Indoor	44.45	kPa

FEATURE	VALUE	UNIT
<b>A7/W30-35</b>		
Ph	15.90	kW
Peh	3.53	kW
COP	4.50	
Aph Indoor	39.54	kPa

FEATURE	VALUE	UNIT
<b>A7/W47-55</b>		
Ph	16.00	kW
Peh	5.61	kW
COP	2.85	
Aph Indoor	72.61	kPa



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FEATURE	VALUE	UNIT
<b>LRCONTMINH</b>		
Nb Tamont Froid	1	
Nb Taval Froid	1	
Nb Tamont Chauffage	1	
Nb Taval Chauffage	1	

FEATURE	VALUE	UNIT
<b>PSBC</b>		
Psbc	14.00	W

FEATURE	VALUE	UNIT
<b>PSBH</b>		
Psbh	14.00	W

FEATURE	VALUE	UNIT
<b>POFFC</b>		
Poffc	14.00	W



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FEATURE	VALUE	UNIT
<b>PTOC</b>		
Ptoc	10.00	W

FEATURE	VALUE	UNIT
<b>PTOH</b>		
Ptoh	24.00	W

FEATURE	VALUE	UNIT
<b>PCKH</b>		
Pckh	0.00	W

FEATURE	VALUE	UNIT
<b>EFFICIENCY AVERAGE W35</b>		
Pdesignh Average W35	15.20	kW
SCOP Average W35	4.62	
ηs Average W35	182.00	



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FEATURE	VALUE	UNIT
<b>SOUND AVERAGE W35</b>		
LwO Average W35	68.00	dB(A)

FEATURE	VALUE	UNIT
<b>EFFICIENCY AVERAGE W55</b>		
Pdesignh Average W55	13.00	kW
SCOP Average W55	3.41	
$\eta_s$ Average W55	133.00	

FEATURE	VALUE	UNIT
<b>SOUND AVERAGE W55</b>		
LwO Average W55	68.00	dB(A)



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FEATURE	VALUE	UNIT
<b>GENERAL</b>		
Type of Water Regulation	FW/VO	
Refrigerant	R32	
Main Power Supply	230-1-50	
Control of pump speed	fixed	
Main Intended Market	EU	
Outdoor Heat Exchanger Type	finned tube	
Outdoor Heat Exchanger Dimensions	1120×60×798	
Indoor Heat Exchanger Type	Plate	
Indoor Heat Exchanger Dimension(WxLxH)	109×121×333	
Expansion Device Type	electronic	

FEATURE	VALUE	UNIT
<b>COMPRESSOR_DETAILS</b>		
Compressor motor type	DC inverter	
Compressor Type	Twin Rotary	
Inverter_type	DC Inverter	
Number	1	