



FIȘĂ TEHNICĂ

PRODUS: Pompa de caldura aer-apa, pentru incalzire, cu alimentare electrica 230V.

MODEL: 12,14,16kW.

PRODUCĂTOR: LG, Coreea de Sud

DISTRIBUITOR: S.C. Secpral Pro Instalații S.R.L., Cluj-Napoca, str. Vlad Țepeș nr. 2, tel.

DESTINAȚIE:

Este recomandat sa se foloseasca in sistemele de incalzire sau racire cu distributia agentului termic prin incalzirea in pardoseala sau ventiloconvectoare.



Performanta pompelor de caldura pe partea de incalzire:

Performanta pompelor de caldura pe partea de racire

HU121MRB U30 / HU123MRB U30 + HN1600MC NK1

Outdoor Temperature	LWT 7°C	LWT 10°C	LWT 13°C	LWT 15°C	LWT 18°C	LWT 20°C	LWT 22°C
	TC	TC	TC	TC	TC	TC	TC
10°C DB	12.00	12.00	12.00	12.00	12.00	12.00	12.00
20°C DB	12.00	12.00	12.00	12.00	12.00	12.00	12.00
30°C DB	12.00	12.00	12.00	12.00	12.00	12.00	12.00
35°C DB	12.00	12.00	12.00	12.00	12.00	12.00	12.00
40°C DB	11.75	12.00	12.00	12.00	12.00	12.00	12.00
45°C DB	11.50	12.00	12.00	12.00	12.00	12.00	12.00

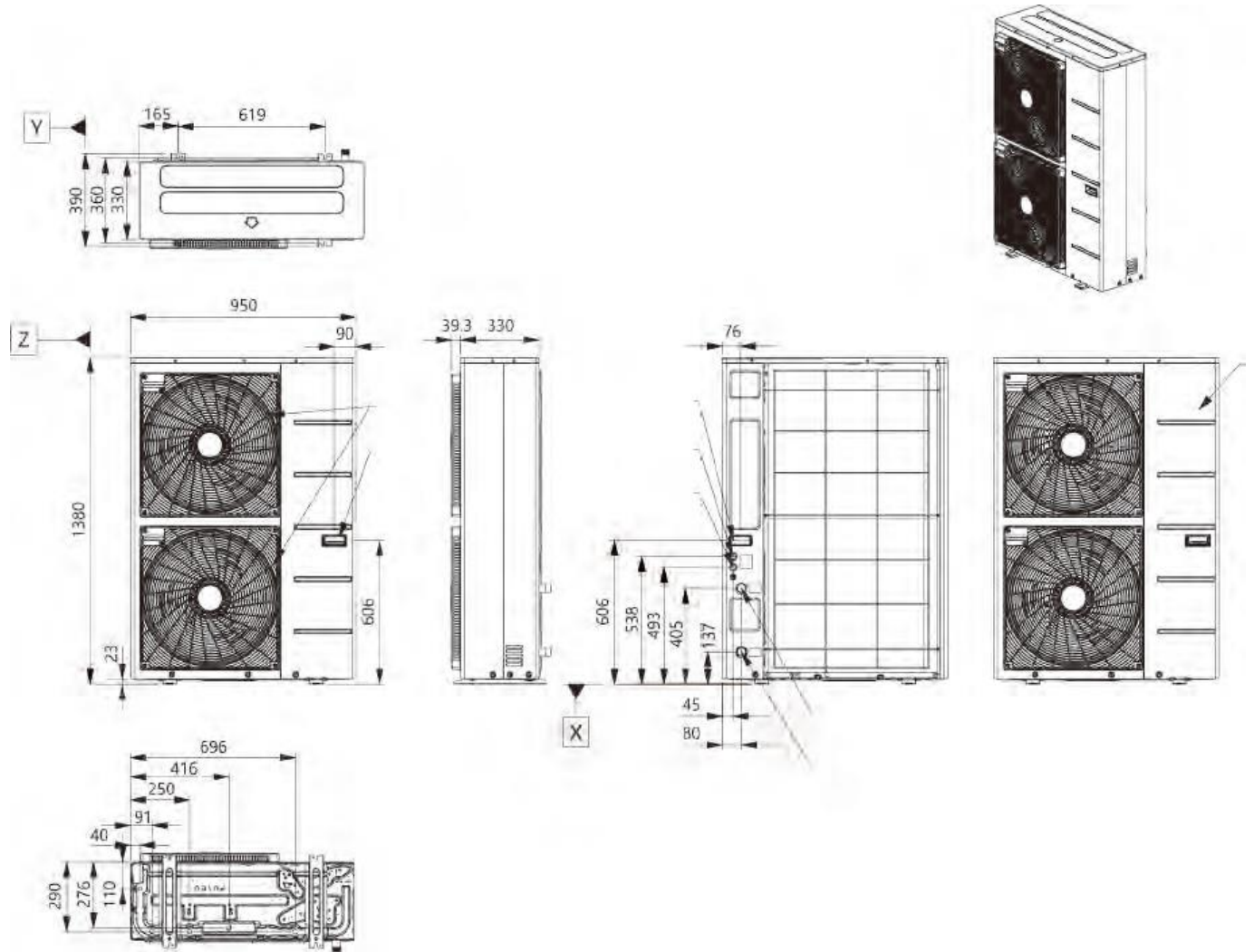
HU141MRB U30 / HU143MRB U30 + HN1600MC NK1

Outdoor Temperature	LWT 7°C	LWT 10°C	LWT 13°C	LWT 15°C	LWT 18°C	LWT 20°C	LWT 22°C
	TC	TC	TC	TC	TC	TC	TC
10°C DB	14.00	14.00	14.00	14.00	14.00	14.00	14.00
20°C DB	14.00	14.00	14.00	14.00	14.00	14.00	14.00
30°C DB	14.00	14.00	14.00	14.00	14.00	14.00	14.00
35°C DB	14.00	14.00	14.00	14.00	14.00	14.00	14.00
40°C DB	13.75	14.00	14.00	14.00	14.00	14.00	14.00
45°C DB	13.50	14.00	14.00	14.00	14.00	14.00	14.00

HU161MRB U30 / HU163MRB U30 + HN1600MC NK1

Outdoor Temperature	LWT 7°C	LWT 10°C	LWT 13°C	LWT 15°C	LWT 18°C	LWT 20°C	LWT 22°C
	TC	TC	TC	TC	TC	TC	TC
10°C DB	16.00	16.00	16.00	16.00	16.00	16.00	16.00
20°C DB	16.00	16.00	16.00	16.00	16.00	16.00	16.00
30°C DB	16.00	16.00	16.00	16.00	16.00	16.00	16.00
35°C DB	16.00	16.00	16.00	16.00	16.00	16.00	16.00
40°C DB	15.75	16.00	16.00	16.00	16.00	16.00	16.00
45°C DB	15.50	16.00	16.00	16.00	16.00	16.00	16.00

Dimensiunile pompelor de caldura :



Product Specification (Indoor Unit)

Technical Specification			Unit	HN1600MC NK1
Operation Range (leaving water)	Heating	Min. - Max.	°C DB	15 ~ 65
	Cooling			5 ~ 27 (16 ~ 27) ¹⁾
	DHW			15 ~ 80 ²⁾
Flow Sensor	Measuring Range	Min. - Max.	ℓ/min	5 ~ 80
Water Pressure Sensor	Measuring Range	Min. - Max.	bar(G)	0 ~ 20
Expansion Vessel	Volume		ℓ	8
Safety Valve	Pressure Limit	Upper limit	bar	3
Piping Connections	Water Circuit	Outlet to Heat Load	Inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)
		Inlet from Heat Load		Male PT 1" according to ISO 7-1 (tapered pipe threads)
		Outlet to Outdoor Unit		Male PT 1" according to ISO 7-1 (tapered pipe threads)
		Inlet from Outdoor Unit		Male PT 1" according to ISO 7-1 (tapered pipe threads)
Wiring Connections	Power and Communication Cable (included earth, H07RN-F)		mm ² x cores	0.75 x 4C
Sound Power Level	Heating	Rated	dB(A)	44
Dimensions	Unit	W x H x D	mm	490 x 850 x 315
Weight	Unit		kg	30.5
Exterior	Color / RAL Code		-	Noble White / RAL 9016

Product Specification (Outdoor Unit)

Technical Specification			Unit	HU121MRB U30	HU141MRB U30	HU161MRB U30	HU123MRB U30	HU143MRB U30	HU163MRB U30
Operation Range (outdoor temp.)	Heating	Min. - Max.	°C DB	-25 ~ 35					
	Cooling			5 ~ 48					
Compressor	Quantity		EA	1					
	Type		-	Hermetic Sealed Scroll					
Refrigerant	Type		-	R32					
	GWP (global warming potential)		-	675					
	Precharged Amount		g	2,100					
	t-CO ₂ eq		-	1,418					
Piping Connections	Water Circuit	Inlet	mm(inch)	Male PT 1" according to ISO 7-1 (tapered pipe threads)					
		Outlet	mm(inch)	Male PT 1" according to ISO 7-1 (tapered pipe threads)					
Rated Water Flow Rate (at LWT 35°C)			LPM	34.5	40.3	46.0	34.5	40.3	46.0
Sound Power Level	Heating	Rated	dB(A)	61	62	63	61	62	63
Sound Pressure Level (at 1m)	Heating	Rated	dB(A)	53	54	55	53	54	55
Dimensions	Unit	W x H x D	mm	950 x 1,380 x 330					
Weight	Unit		kg	91.7					
Exterior	Color / RAL Code		-	Warm Gray / RAL 7044					
Power Supply	Voltage, Phase, Frequency		V, ∅, Hz	220-240, 1, 50			380-415, 3, 50		
	Rated Running Current	Heating	A	10.6	12.7	14.8	3.5	4.2	4.9
		Cooling	A	11.2	14.4	17.7	3.7	4.8	5.9
	Recommended Circuit Breaker			A	40			16	
Wiring Connections	Power Supply Cable (included earth, H07RN-F)		mm ² x cores	6.0 x 3C			2.5 x 5C		