

PRODUCT SPECIFICATION

R410A Split Hydro Box

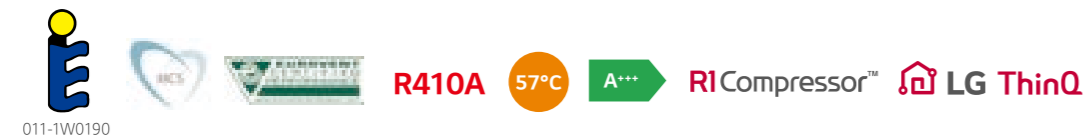


Indoor Unit

HN1616M NK5
HN1636M NK5

Outdoor Unit

HU121MA U33
HU141MA U33
HU161MA U33
HU123MA U33
HU143MA U33
HU163MA U33



Features

- Refrigerant pipes connects IDU & ODU
- SCOP up to 4.65 (Average climate / Low temp. application) : A+++
SCOP up to 3.37 (Average climate / Mid temp. application) : A++
- COP up to 4.55 (Outdoor air 7°C / Leaving water 35°C)
- 100% heating capacity at -7 °C OAT (@ LWT 35°C)
- Wide operation range (ambient : -25 ~ 35°C / water side : 15 ~ 65°C)
- Built-in water flow & pressure sensors to monitor real-time water circuit
- R1 compressor
- Gold Fin heat exchanger
- LG ThinQ
- KEYMARK / MCS / EUROVENT certification

* EHPA label under development

Model Line-up

Category	Unit	Model Name		
		Capacity (kW)		
		12.0	14.0	16.0
1 Phase Model 220 ~ 240V, 1Ø, 50Hz	Outdoor Unit	HU121MA U33	HU141MA U33	HU161MA U33
	Indoor Unit	HN1616M NK5		
3 Phase Model 380 ~ 415V, 3Ø, 50Hz	Outdoor Unit	HU123MA U33	HU143MA U33	HU163MA U33
	Indoor Unit	HN1636M NK5		

Seasonal Energy

Description			Outdoor Unit		HU121MA U33 (1Ø)	HU141MA U33 (1Ø)	HU161MA U33 (1Ø)
					HU123MA U33 (3Ø)	HU143MA U33 (3Ø)	HU163MA U33 (3Ø)
			Indoor Unit		HN1616M NK5 (1Ø) HN1636M NK5 (3Ø)		
Space Heating (according to EN14825)	Average Climate Water Outlet 35°C	SCOP	-	4.65	4.61	4.56	
		Seasonal Space Heating Efficiency (η _s)	%	183	182	179	
		Seasonal Space Heating Eff. Class (A+++ to D scale)	-	A+++	A+++	A+++	
	Average Climate Water Outlet 55°C	SCOP	-	3.36	3.37	3.32	
		Seasonal Space Heating Efficiency (η _s)	%	131	132	130	
		Seasonal Space Heating Eff. Class (A+++ to D scale)	-	A++	A++	A++	

Nominal Capacity and Nominal Power Input

Description		OAT (DB)	LWT (DB)	Outdoor Unit		HU121MA U33 (1Ø)	HU141MA U33 (1Ø)	HU161MA U33 (1Ø)
						HU123MA U33 (3Ø)	HU143MA U33 (3Ø)	HU163MA U33 (3Ø)
				Indoor Unit		HN1616M NK5 (1Ø) HN1636M NK5 (3Ø)		
Nominal Capacity	Heating	7°C	35°C	kW		12.00	14.00	16.00
		7°C	55°C			11.00	11.50	12.00
		2°C	35°C			11.00	12.00	13.80
	Cooling	35°C	18°C			10.40	12.00	13.00
		35°C	7°C			7.94	8.50	8.92
		7°C	35°C			2.64	3.17	3.76
Nominal Power Input	Heating	7°C	55°C	kW		4.31	4.51	4.71
		2°C	35°C			3.04	3.32	3.83
		35°C	18°C			2.60	3.08	3.60
	Cooling	35°C	7°C			2.66	3.02	2.53
		7°C	35°C			4.55	4.41	4.26
		7°C	55°C			2.55	2.55	2.55
COP	Heating	2°C	35°C	W/W		3.62	3.61	3.60
		35°C	18°C			4.00	3.90	3.61
EER	Cooling	35°C	7°C	W/W		2.98	2.81	3.53