

KAYSUN

MAGNUS

1x1 Ducts Sets



Magnus



Kaysun's **MAGNUS** High Capacity range has a continuous adjustment of the system operation to guarantee a better seasonal efficiency in a constant and silent way.

It's the ideal solution for all types of open-plan spaces since, from a single point, it allows the air conditioned air to be distributed to all zones.

Features:

Full DC Inverter Technology

These outdoor units use a DC inverter compressor and fan that provide high precision and continuous speed adjustment depending on the operating mode of the system, ensuring that it is always in optimal condition, running more efficiently, smoothly and with low noise levels.

Compact outdoor unit

Available up to 400Pa

The static pressure of the indoor units can reach up to 400Pa, which allows the air supply distance to be increased. Especially in long and narrow spaces, such as halls.

Drainage pump included as standard

Equipped with a drain pump capable of lifting condensed liquids up to 1200 mm.

Flexible design

The total length of the system piping can be up to 60 m and the level difference between the indoor and outdoor unit can be up to 30 m, allowing the system to fit perfectly into any building.

Constant air flow

Fan technology with digital air volume control senses the flow rate of the unit and adjusts it independently for constant airflow.



KCT-04 SR
Recommended control



Scan the QR code for more information and to download the documentation.



R-410A Refrigerant



DC Inverter Compressor



DC Inverter External Fan



DC Inverter Internal Fan



Drainage Pump

Set Model		KPDHM-200F DN11	KPDHM-224F DN11	KPDHM-280F DN11	KPDHM-335F DN11
Nominal cooling capacity	kW	20	22,4	28	33,5
Nominal consumption - Cooling	W	5.150	6.790	13.020	15.020
EER		3,88	3,30	2,15	2,23
SEER		7,16	6,85	5,94	6,35
Nominal heating capacity	kW	20	22,4	28	33,5
Nominal consumption - Heating	W	4.430	5.320	7.610	9.230
COP		4,51	4,21	3,68	3,63
SCOP		4,04	4,34	4,50	4,06
Indoor Unit		KPDH 200 DN11	KPDH 224 DN11	KPDH 280 DN11	KPDH 335 DN11
Air Flow (L/M/H)	m³/h	2820 / 3760 / 4700	2820 / 3760 / 4700	2820 / 3760 / 4700	2820 / 3760 / 4700
Max. static pressure	Pa	400	400	400	400
Sound Pressure (L/M/H)	dB(A)	44 / 46 / 50	44 / 46 / 50	44 / 46 / 50	46 / 48 / 51
Air Outlet (Width/Height)	mm	2 × (311 × 268)			
Air Inlet (Width/Height)	mm	900 × 456			
Dimensions (Width/Height/Depth)	mm	1.300 / 580 / 900	1.300 / 580 / 900	1.300 / 580 / 900	1.300 / 580 / 900
Net weight	kg	125	125	125	125
Liquid pipe diam	pulg	3/8"	3/8"	1/2"	1/2"
Gas pipe diam.	pulg	3/4"	3/4"	3/8"	1"
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor Unit		KUE 200 DN11	KUE 224 DN11	KUE 280 DN11	KUE 335 DN11
Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
Refrigerant type		R-410A	R-410A	R-410A	R-410A
Factory load	kg	6,5	6,5	6,5	8
Air flow	m³/h	9.000	9.000	11.000	11.300
Static pressure	Pa	-	-	-	-
Sound pressure	dB(A)	58	58	60	61
Dimensions (Width/Height/Depth)	mm	1.120 / 1.558 / 528	1.120 / 1.558 / 528	1.120 / 1.558 / 528	1.120 / 1.558 / 528
Net weight	kg	143	143	144	157
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Outdoor T°C in cooling min./ max.	°C	-5 / 48	-5 / 48	-5 / 48	-5 / 48
Outdoor T°C in heating min./max.	°C	-20 / 24	-20 / 24	-20 / 24	-20 / 24

Set Model		KPDHM-400F DN11	KPDHM-450F DN11	KPDHM-560F DN11	
Nominal cooling capacity	kW	40	45	56	
Nominal consumption - Cooling	W	17.860	18.150	28.000	
EER		2,24	2,48	2,00	
SEER		6,19	6,05	5,93	
Nominal heating capacity	kW	40	45	56	
Nominal consumption - Heating	W	10.990	12.100	15.090	
COP		3,64	3,72	3,71	
SCOP		4,72	4,83	4,42	
Indoor Unit		KPDH 400 DN11	KPDH 450 DN11	KPDH 560 DN11	
Air Flow (L/M/H)	m³/h	4500 / 6000 / 7500	4500 / 6000 / 7500	5040 / 6720 / 8400	
Max. static pressure	Pa	400	400	400	
Sound Pressure (L/M/H)	dB(A)	50 / 52 / 56	50 / 52 / 56	53 / 54 / 58	
Air Outlet (Width/Height)	mm	2 × (311 × 268)			
Air Inlet (Width/Height)	mm	1540 × 456			
Dimensions (Width/Height/Depth)	mm	1.850 / 580 / 900	1.850 / 580 / 900	1.850 / 580 / 900	
Net weight	kg	166	166	170	
Liquid pipe diam	pulg	1/2"	5/8"	5/8"	
Gas pipe diam.	pulg	1"	1-1/8"	1-1/8"	
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Outdoor Unit		KUE 400 DN11	KUE 450 DN11	KUE 560 DN11	
Compressor type		Inverter	Inverter	Inverter	
Refrigerant type		R-410A	R-410A	R-410A	
Factory load	kg	7,4	8	8,5	
Air flow	m³/h	12.500	18.500	18.500	
Static pressure	Pa	0-35	0-35	0-35	
Sound pressure	dB(A)	59	60	61	
Dimensions (Width/Height/Depth)	mm	1.130 / 1.760 / 580	1.250 / 1.760 / 580	1.120 / 1.760 / 580	
Net weight	kg	187	214	234	
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	
Outdoor T°C in cooling min./ max.	°C	-15 / 55	-15 / 55	-15 / 55	
Outdoor T°C in heating min./max.	°C	-30 / 30	-30 / 30	-30 / 30	

Cooling and heating capacity. Cooling and heating consumption. Energy efficiency: Standard conditions: Cooling 27°C BS/19°C BH indoors, 35°C BS outdoors. Heating 20°C BS indoors, 7°C BS/6°C BH outdoors.

Pipe length 7.5 m, height 0 m. For more pipe lengths, check Selecta Online HVACSSP.

Sound pressure: Sound pressure is measured in a semi-anechoic chamber at a distance of 1 m from the machine and at a height of 1.3 m.

Power cable: The power cable is supplied for up to 10 m installation. It must be dimensioned specifically for each installation.

Factory charge: This is the amount of refrigerant that has been charged inside the unit. For additional charge, use the formula in the technical manual or Selecta selection software.

Liquid/gas pipe diameter: Maximum total/vertical pipe length: For pipe lengths longer than 45 m, the diameter should be consulted with the technical service.

Compatible remote controls: The equipment can be equipped with one of the remote controls recommended by Kaysun.

NOTE: Before installing this equipment, check the current legislation on refrigerant gases.



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