

Magnus Series



KCT-04 SR
Included Control

Technical documentation	Download
User Manual	PDF
Controller Manual	PDF
Declaration of Conformity	PDF
Dimensions	PDF DWG
Software	Download
Communication diagrams	PDF


R-410A
REFRIGERANT

DC INVERTER
COMPRESSOR

DC INVERTER
OUTDOOR FAN

DC INVERTER
INDOOR FAN

DRAINAGE
PUMP

COMPATIBLE
WITH AIRZONE

Set model		KPDHM-200F DN11	KPDHM-224F DN11	KPDHM-280F DN11	KPDHM-335F DN11	KPDHM-400F DN11	KPDHM-450F DN11	KPDHM-560F DN11
> Set								
Cooling capacity rated	kW	20	22.4	28	33.5	40	45	56
Heating capacity rated	kW	20	22.4	28	33.5	40	45	56
Cooling input rated	W	5280	6770	12020	1530	15750	15980	22860
Heating input rated	W	5950	6670	8730	11720	14600	15700	20300
EER		3.88 -	3.30 -	2.15 -	2.23 -	2.24 -	2.48 -	2.00 -
COP		4.51 -	4.21 -	3.68 -	3.63 -	3.64 -	3.72 -	3.71 -
SEER		7.16 -	6.85 -	5.94 -	6.35 -	6.19 -	6.05 -	5.93 -
SCOP		4.04 -	4.34 -	4.50 -	4.06 -	4.72 -	4.83 -	4.42 -
> Indoor unit		KPDH 200 DN11	KPDH 224 DN11	KPDH 280 DN11	KPDH 335 DN11	KPDH 400 DN11	KPDH 450 DN11	KPDH 560 DN11
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Width / Height / Depth	mm	1300 / 580 / 900	1300 / 580 / 900	1300 / 580 / 900	1300 / 580 / 900	1850 / 580 / 900	1850 / 580 / 900	1850 / 580 / 900
Net weight	kg	125	125	125	125	166	166	170
Air flow low / medium / high	m³/h	2820 / 3760 / 4700	2820 / 3760 / 4700	2820 / 3760 / 4700	2820 / 3760 / 4700	4500 / 6000 / 7500	4500 / 6000 / 7500	5040 / 6720 / 8400
Sound pressure	dB(A)	/ 42 / 46 / 51	/ 42 / 46 / 51	/ 42 / 46 / 51	/ 43 / 48 / 52	/ 48 / 52 / 58	/ 48 / 52 / 58	/ 49 / 54 / 59
Sound power level	dB(A)	62/68/74	62/68/74	62/68/74	61/68/74	67/74/79	67/74/79	69/75/81
Max. pressure available	Pa	0-400	0-400	0-400	0-400	0-400	0-400	0-400
Air inlet width/height	mm	990/456	990/456	990/456	990/456	1540/456	1540/456	1540/456
Air outlet width/height	mm	2x(311/268)	2x(311/268)	2x(311/268)	2x(311/268)	3x(311/268)	3x(311/268)	3x(311/268)
> Outdoor unit		KUE 200 DN11	KUE 224 DN11	KUE 280 DN11	KUE 335 DN11	KUE 400 DN11	KUE 450 DN11	KUE 560 DN11
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Width / Height / Depth	mm	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528	1130 / 1760 / 580	1250 / 1760 / 580	1250 / 1760 / 580
Net weight	kg	143	143	144	157	187	214	234
Communication protocol		56	56	56	56	56/58	56/58	56/58
Air flow	m³/h	9000	9000	11000	11300	12500	18500	18500
Sound pressure	dB(A)	58	58	60	61	59	60	61
Sound power level	dB(A)	78	78	78	81	82	86	89
> Refrigerant								
Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
GWP		2088	2088	2088	2088	2088	2088	2088
Refrigerant charge	kg	6.5	6.5	6.5	8	7.4	8	8.5
t CO ₂ eq	tCO ₂	13.57	13.57	13.57	16.70	15.45	16.70	17.75
Liquid / Gas pipe diameter	inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 7/8"	1/2" / 1"	1/2" / 1"	5/8" / 1-1/8"	5/8" / 1-1/8"
Piping total length	m	50	50	50	50	60	60	60
Vertical piping max. length	m	25	25	25	25	30	30	30
> Working range								
Outdoor ambient temperature for heating min. / max.	°C	-20 / 24	-20 / 24	-20 / 24	-20 / 24	-30 / 30	-30 / 30	-30 / 30
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 48	-5 / 48	-5 / 48	-5 / 48	-15 / 55	-15 / 55	-15 / 55

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m. For longer pipe lengths, testing via Selecta Online HVACSSP is required. Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m. Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual. NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.