



R410 UNITS SPECIFICATIONS

Model		12000 BTU	18000 BTU	24000 BTU	36000 BTU	
Power supply		Ph-V-Hz	220-230V- 60Hz, 1Ph	220-230V- 60Hz, 1Ph	220-230V- 60Hz, 1Ph	220-230V- 60Hz, 1Ph
Cooling	Capacity	Btu/h	12000	18000	23800	35600
	Input	W	1386	1972	2310	3300
	Rated current	A	6.3	8.5	10.5	14.5
	EER	W/W	2.33	2.60	2.66	2.66
Heating	Capacity	Btu/h	----	----	----	----
	Input	W	----	----	----	----
	Rated current	A	----	----	----	----
	COP	W/W	----	----	----	----
Max. input consumption		W	1980	2300	3520	4200
Max. current		A	9.0	11.5	16.0	22
Starting current		A	42	43.3	53.1	59.93
Compressor	Model		KF410013KR	KF410018KR	KF410024KR	KF410036KR
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		LG	GMCC	GMCC	GMCC
	Capacity	Btu/h	11050	17384/17521	20984/21223	27839/28094
	Input	W	1094	1695/1700	2045/2070	2687/2706
	Rated current(RLA)	A	5.1	8.20/7.45	9.90/9.10	13.02/11.95
	Locked rotor Amp(LRA)	A	42	43.3	53.1	59.93
	Thermal protector		MBA98996-12026/B196-140-24	----	----	----
	Thermal protector position		EXTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	uF	40	40	50	50
	Refrigerant oil/oil charge	ml	POE /280cc	ESTER OIL VG74/480	ESTER OIL VG74/480	ESTER OIL VG74 /950
Indoor fan motor	Model		RPG20B	RPG28H	RPG45B	RPG45B
	Input	W	46	58	80.5	80.5
	Capacitor	uF	1.5	1.5	3.0	3.0
	Speed(Hi/Mi/Lo)	r/min	1200 / 1050 / 900	1280 / 1100 / 950	1220 / 1100 / 900	1120/1020/950
Indoor air flow (Hi/Mi/Lo)		m3/h	600/530/450	750/640/560	1100/990/810	1080/960/760
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/39/36	44/40/36	49/45/41	49/44/39

Indoor unit	Dimension(W*D*H)	mm	800x188x275	940x205x275	1045x235x315	1080x226x335
	Packing (W*D*H)	mm	865x265x350	1015x265x350	1135x395x315	1155x415x315
	Net/Gross weight	Kg	6.5 / 8.5	10 / 12.5	12 / 15	14/17.5
Outdoor fan motor	Model		KF410I13KR	KF410I18KR	KF410I24KR	KF410I36KR
	Input	W	80	81	148	148
	Capacitor	uF	2.5	2.5	3.0	3.0
	Speed	r/min	1000 / -- / --	1070 / -- / --	950 / -- / --	950 / -- / --
Outdoor noise level		dB(A)	56	48	60	61
Outdoor unit	Dimension(W*D*H)	mm	700x240x540	780x250x540	820x330x595	845x320x700
	Packing (W*D*H)	mm	815x325x580	910x335x585	940x415x645	965x395x755
	Net/Gross weight	Kg	23 / 25	30.5 / 32	37 / 39.9	49.5/52.7
Refrigerant type		g	R410A/440g	R410A/580g	R410A/830g	R410A/1430g
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	20	20	25	25
	Max. difference in level	m	8	8	10	10
Connection wiring			1.5(Optional)	2.5(Optional)	1.0(Optional)	4x1.0
Plug type			16#x3 / SP008	14#x3	--	--
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		℃	17-30	17-30	17-30	17~30
Room temperature	Indoor(cooling/ heating)	℃	17-32/----	17-32/----	17-32/----	17 ~ 32/----
	Outdoor(cooling/heating)	℃	18-43/----	18-43/----	18-43/----	18 ~ 43/----
Application area (Cooling Standard)		m2	15-21	23-34	28-41	40-59

