

COMMERCIAL SPLITS SYSTEM

MAK Series Air Conditioners

Ducted R410a 50 Hz

125,000-750,000 BTU



Focus On The Earth

Ducted air conditioning operates with non-CFCs refrigerants and provide the greater energy saving that affect to reduce a greenhouse gas.



High Static Ducted : Belt Driven R410a

Indoor Unit : MAK model

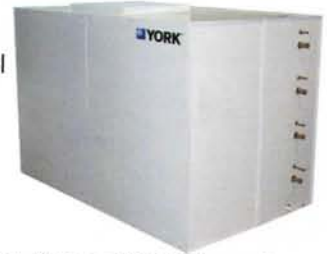
MAK125-150

- Horizontal air discharge
- Convertible to vertical discharge (Option)
- Build in filter rack
- Designed ESP 0.6 in.wg. (Range 0.1-2.0 in.wg.)



MAK200-750

- Vertical air discharge
- Convertible to Horizontal discharge at site
- Build in filter rack
- Designed ESP
 - MAK200-250 = 0.6 in.wg. (Range 0.1-2.0 in.wg.)
 - MAK300-400 = 0.8 in.wg. (Range 0.5-2.4 in.wg.)
 - MAK450 = 1.0 in.wg. (Range 0.6-2.4 in.wg.)
 - MAK500-750 = 1.2 in.wg. (Range 0.6-2.4 in.wg.)



Outdoor Unit : YVK model

YVK075-150

- High Efficiency Scroll Compressor
- High and Low Pressure Protection
- Phase Reverse Protection
- Vertical Fan Discharge



Wired Remote Control

Smart Controller

- Standard for MAK125-150
- Range 16-30 degree C (Room Temp display)
- Cooling Mode (Auto / Cool / Fan)
- On-Off Timer (24 Hr.)
- Self diagnostic
- Auto-restart function



Advance Function Controller

- Standard for MAK200-600
- Range 16-30 degree C (Room Temp display)
- Cooling Mode (Cool / Fan)
- 7 days On-Off Timer
- Compressor sequential running
- Self diagnostic
- Auto-restart function



Ducted Specification: MAK/YVK 50 Hz.

Model	Indoor	MAK125	MAK150	MAK200	MAK250	MAK300	MAK350		MAK400	MAK450	MAK500	MAK600	MAK750	
	Outdoor	YVK125	YVK150	YVK100 x 2	YVK125 x 2	YVK150 x 2	YVK100	YVK125 x 2	YVK100 x 4	YVK150 x 3	YVK125 x 4	YVK150 x 4	YVK150 x 5	
Cooling Capacity ¹	BTU	125,100	152,900	201,600	251,800	300,700	351,900		406,100	457,800	500,700	600,200	752,100	
	kW	36.7	44.8	59.1	73.8	88.1	103.1		119.0	134.1	146.7	175.9	220.4	
	kcal	31,546	38,556	50,836	63,495	75,826	88,737		102,404	115,441	126,259	151,349	189,653	
Refrigerant		R410a												
Air Flow rate	CFM	4,100	5,000	6,400	8,000	9,000	11,500		13,500	15,000	15,500	18,000	25,000	
ESP ² Setting	in.wg.	0.6	0.6	0.6	0.6	0.8	1.0		1.0	1.0	1.2	1.2	1.2	
No. of Circuit		1	1	2	2	2	3		4	3	4	4	5	
Piping	Type	Braze												
	Liquid	Inch.	5/8	5/8	5/8	5/8	5/8	5/8		5/8	5/8	5/8	5/8	5/8
	Suction	Inch.	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8		1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
	Condensate	Inch.	3/4	3/4	1	1	1	1		1	1	1	1	1
Indoor unit	Power	V / Ph / Hz	380 / 3 / 50											
	MCA ³	Amp.	4.63	4.63	8.48	11.00	11.00	14.75		14.75	19.50	27.88	27.88	53.13
	Fan	Type	DIDW - Belt Driven											
	Motor	HP	2	2	4	5.5	5.5	7.5		7.5	10	15	15	30
		RLA / LRA	3.7 / 26	3.7 / 26	6.8 / 47	8.8 / 62	8.8 / 62	11.8 / 83		11.8 / 83	15.6 / 109	22.3 / 156	22.3 / 156	42.5 / 298
	Coil	Fin type	Aluminium Uncoated Corrugated Fin											
		FPI	14	14	12	14	12	12		14	14	12	12	12
		Flow Control	Thermostatic Expansion Valve											
	Filter Type	Washable Aluminium thk. 1 inch												
	Dimension (mm.)	Height	870	870	875	1260	1260	1465		1515	1515	1515	1945	2335
Width		1615	1615	1963	1950	1950	2210		2365	2365	2365	2360	2780	
Depth		985	985	935	1160	1160	1155		1450	1450	1450	1880	1880	
kg		185	197	200	313	323	443		496	510	790	840	1385	
Outdoor unit / unit	Power	V / Ph / Hz	380 / 3 / 50											
	MCA ³	Amp.	26.49	35.03	22.47	26.49	35.03	22.47	26.49	22.47	35.03	26.49	35.03	35.03
	Compressor	Type	Hermetic scroll											
		Q'ty	1	1	1	1	1	1	1	1	1	1	1	1
		RLA	19.8	26.3	16.6	19.8	26.3	16.6	19.8	16.6	26.3	19.8	26.3	26.3
		LRA	153	174	139	153	174	139	153	139	174	153	174	174
	Coil	Fin type	Aluminium											
		FPI	14	14	14	14	14	14	14	14	14	14	14	14
	Fan / Motor	Type	Propeller Fan - Direct driven											
		Q'ty	1	1	1	1	1	1	1	1	1	1	1	1
FLA		1.74	2.15	1.72	1.74	2.15	1.72	1.74	1.72	2.15	1.74	2.15	2.15	
Dimension (mm.)	Height	940	1090	940	940	1090	940	940	940	1090	940	1090	1090	
	Width	964	1130	964	964	1130	964	964	964	1130	964	1130	1130	
	Depth	975	1105	975	975	1105	975	975	975	1105	975	1105	1105	
	kg	166	220	158	166	220	158	166	158	220	166	220	220	

- Remark 1. Cooling Capacity base on entering air condition 80 F db / 67 F wb.
 2. External Static Pressure - Factory setting include internal pressure drop.
 3. Minimum circuit ampacity for selection wire sized : 1.25 x RLA

Matching Capacity : MAK/YVK 50 Hz. R410a

Model FCU	Model CDU	Air flow CFM	Cooling Capacity BTU	Remark
MAK125	YVK125	3,300	120,600	Design Condition : 1. Indoor 80 F db / 67 F wb 2. Outdoor 95 F db / 83 F wb 3. Face velocity @ Nominal airflow not over 500 fpm 4. Motor size is depend on ESP.
		4,100	125,100	
		4,700	126,400	
MAK150	YVK150	4,000	146,900	
		5,000	152,900	
		5,500	155,600	
MAK200	YVK100 x 2	5,600	197,300	
		6,400	201,600	
		6,600	202,600	
MAK250	YVK125 x 2	6,400	242,300	
		8,000	251,800	
		8,200	252,900	
MAK300	YVK150 x 2	8,000	295,200	
		9,000	300,700	
		10,000	306,200	
MAK350	YVK100 YVK125 x 2	9,200	343,900	
		11,500	351,900	
		12,500	362,400	
MAK400	YVK100 x 4	11,000	405,400	
		13,500	406,100	
		14,500	424,000	
MAK450	YVK150 x 3	12,000	441,700	
		15,000	457,800	
		15,800	463,100	
MAK500	YVK125 x 4	13,000	487,600	
		15,500	500,700	
		16,500	506,000	
MAK600	YVK150 x 4	16,000	586,700	
		18,000	600,200	
		21,000	618,200	
MAK750	YVK150 x 5	20,000	729,900	
		25,000	752,100	
		30,000	775,200	

This matching specification are subject to change without notice

