



turn to the experts™ 

AIR DUCTED SYSTEM

STANDARD EFFICIENCY





STANDARD EFFICIENCY – SINGLE PHASE

			36K	48K	55K
Indoor model			42KUA03631010	42KUA04831010	42KUA06031010
Power Supply		V-Ph-Hz	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz
Cooling (T1)	Capacity	Btu/h	36000	48000	55000
	Input	W	4000	4900	6326
	EER		2.64	2.87	2.55
Indoor air flow		m3/h	1648	2300	2300
ESP	Rated	Pa	37	50	50
	Range	Pa	0 - 140	0 - 180	0 - 180
Indoor noise level (Hi)		dB(A)	52.0	54.5	54.5
Throttle type			Throttle valve	Throttle valve	Throttle valve
Indoor unit	Dimension (W*D*H)	mm	460x520x774	500x550x970	500x550x970
	Packing (W*D*H)	mm	520x565x835	560x595x1030	560x595x1030
	Net/Gross weight	Kg	39/42	51/55	51/55
Design pressure indoor		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Draining pipe dimension		mm	RC 3/4"	RC 3/4"	RC 3/4"
Refrigerant piping	Liquid side/Gas side	mm	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
Qty' per 20' /40' /40'HQ			88/184/275	80/164/164	80/164/164

			36K	48K	55K
Sale model			38KUA03631010	38KUA04831010	38KUA06031010
Power supply		V-Ph-Hz	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz
Max. input consumption		W	54000	65000	7625
Max. current		A	25.5	30.7	34.6
Outdoor air flow		m3/h	4500	7400	7600
Outdoor noise level (sound pressure)		dB(A)	64.5	65.0	65.7
Outdoor unit	Dimension (W*D*H)	mm	600x600x759	710x710x759	710x710x759
	Packing (W*D*H)	mm	628x628x794	738x738x794	738x738x872
	Net/Gross weight	kg	57.8/61.4	71.8/76.1	80.0/85.0
Refrigerant	Type		R410A	R410A	R410A
	Charge volume	kg	1.9	2.20	2.20
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/Gas side	mm	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. refrigerant pipe length	m	30	50	50
	Max. difference in level	m	20	30	30
Ambient temperature	Cooling	°C	18~43	18~43	18~43
	Heating	°C	/	/	/
Qty' per 20' /40' /40'HQ			54/114/171	42/96/144	42/96/142

STANDARD EFFICIENCY - 3 PHASE

Indoor Model			42KUA03631010	42KUA04831010	42KUA06031010
Outdoor Model			38KUA03641010	38KUA04841010	38KUA06041010
Outdoor Power Supply		V-Ph-Hz	2080-230V, 3Ph, 60Hz	2080-230V, 3Ph, 60Hz	2080-230V, 3Ph, 60Hz
Indoor Power Supply		V-Ph-Hz	2080-230V, 1Ph, 60Hz	2080-230V, 1Ph, 60Hz	2080-230V, 1Ph, 60Hz
Cooling (T1)	Capacity	Btu/h	36000	48000	55000
	Input	W	3889	4900	6200
	EER	W/W	2.71	2.87	2.60
Max. input consumption		W	5000	6250	7700
Max. current		A	15.0	18.1	23.4
Compressor	Model		ATH356UG3C9EU	ZP49KUE-TF5-52E	C-SBP160H36A
	Type		ROTARY	SCROLL	SCROLL
	Brand		HITACHI	EMERSON	PANASONIC
	Capacity	W	10350	14400	16100
	Input	W	3400	4537	500
	Rated current (RLA)	A	10.9	18.7	18
	Locked rotor Amp (LRA)	A	81	136.08	153.0
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL
	Capacitor	uF	/	/	/
	Refrigerant oil/oil charge	ml	a68HES-H or equivalent/880ml	3MAF POE/12142	FV685 or equivalent/1700ml
Indoor fan motor	Model		YKS-230-6-18	YKS-300-6-1	YKS-300-6-1
	Old Model		YDK230-6X	YDK300-6X-2	YDK300-6X-2
	Qty		1	1	1
	Input	W	420.0	660.0	660.0
	Capacitor	uF	15	12	12
	Speed (Hi/Mi/Lo)	r/min	1100/980	985/760	985/760
Indoor coil	a. Number of rows		3.0	4.0	4.0
	b. Tube pitch(a) x row pitch(b)	mm	21*13.37	21*13.37	21*13.37
	c. Fin spacing	mm	1.3	1.3	1.3
	d. Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e. Tube outside dia and type	mm	07,innergroove tube	07,innergroove tube	07,innergroove tube
	f. Coil lenght x height x width	mm	415x336x40.11	444x378x53.48	444x378x53.48
	g. Number of circuits		6	8	8
Indoor air flow (Hi/Mi/Lo)		m3/h	1648	2182	2300
Indoor unit	Dimension (W*D*H)	mm	520x460x774	500x550x970	500x550x970
	Packing (W*D*H)	mm	835x520x565	560x595x1030	1030x560x595
	Net/Gross weight	Kg	38.2/41.7	48/52	51/55

Outdoor fan motor	Model		YKS-160-6-2	YKS-230-6-3L	YKSJ-230-6-2L
	Old Model		YDK160-6B	YDK230-6F-1(B)	YKSJ-230-6-2L
	Qty		1	1	1
	Input	W	300.0	318.0	300.0
	Capacitor	uF	6	12	12
	Speed	r/min	1100	1095	1095
Outdoor coil	a. Number of rows		1.0	1.0	1.0
	b. Tube pitch(a) x row pitch(b)	mm	21*13.37	21*13.37	21*13.37
	c. Fin spacing	mm	1.3	1.3	1.3
	d. Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e. Tube outside dia and type	mm	07,innergroove tube	07,innergroove tube	07,innergroove tube
	f. Coil lenght x height x width	mm	1588x714x13.37	2030x714x13.37	2030x798x13.37
	g. Number of circuits		5	5	5
Outdoor air flow			4500	7400	6500
Outdoor noise level		dB(A)	65.1	65.2	65.7
Outdoor unit	Dimension (W*D*H)	mm	600x600x759	710x710x759	710x710x843
	Packing (W*D*H)	mm	628x628x794	738x738x794	738x738x872
	Net/Gross weight	Kg	56.8/60.6	68.7/74	80/85
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia		mm	OD025mm	OD025mm	OD025mm
Refrigerant type	Type		R410A	R410A	R410A
	Charged volume	kg	1.9	2.3	2.2
Refrigerant piping	Liquid side/Gas side	mm(inch)	09.52/019(3/8"/3/4")	09.52/019(3/8"/3/4")	09.52/019(3/8"/3/4")
	Max. refrigerant pipe length	m	30	50	50
	Max. difference in level	m	20	30	30
Room temperature	Cooling	°C	18~43	18~43	18~43
	Heating	°C	/	/	/
Qty' per 20' /40' /40'HQ		Indoor unit	88/184/275	80/164/164	80/164/164
		Outdoor unit	54/114/171	42/96/144	42/96/142