



CIAC
Air conditioning

FREEDOM
INVERTER | A SERIES



INVERTER
TECHNOLOGY



FLOOR CEILING

- » Long Distance Alarm
- » ON/OFF Controller
- » Build-in Pump
- » Digital Display
- » Follow Me
- » Anti-Cold Wind Switch
- » Emergency Using
- » Wifi Port

Indoor			CF42AX036-M3N1H	CF42AX036-M3N1H	CF42AX048-M3N1H	CF42AX060-M3N1H	CF42AX060-M3N1H
Outdoor			CM42AX036-H3N1H	CM42AX036-H5N1H	CM42AX048-H3N1H	CM42AX060-H3N1H	CM42AX060-H5N1H
Power supply (Indoor)	V- Ph-Hz		220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,3Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz
Power supply (Outdoor)	V- Ph-Hz		220-230V,1Ph, 60Hz	220V,3Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,3Ph, 60Hz
Cooling	Capacity (range)	Btu/h	36000(/~)	36000(/~)	48000(/~)	55000(/~)	55000(/~)
	Input	W	4121	3966	5582	6042	5948
	Rated current	A	17.9	9.95	24.3	25.38	14.54
	SEER	Btu/w	15.6	15.6	12.3	14.3	14.3
Heating	Capacity (range)	Btu/h	36000(/~)	36000(/~)	48000(/~)	55000(/~)	55000(/~)
	Input	W	3404	3400	4769	5306	5332
	Rated current	A	14.8	8.8	20.73	22.31	13.02
	COP	WW	3.1	3.16	2.95	3.04	3.02
Indoor fan motor	Model		YKSS-115-4-1-2	YKSS-115-4-1-2	YKSS-85-4-1L-2	YKSS-130-4-1L	YKSS-130-4-1L
	Input	W	236.0	236.0	166.0	216.0	216.0
	LRA	A	1.33	1.33	1.16	2.03	2.03
	Winding Resistance	Ω	71	71	85	47.2	47.2
	Capacitor	uF	5	5	2.5	6.5	6.5
	Speed(Hi/M/Lo)	r/min	1263/1123/1000	1263/1123/1000	1435/1295/1165	1640/1530/1430/1370	1640/1530/1430/1370
Indoor air flow (Hi/M/Lo)	m ³ /h		1775/1534/1348	1775/1534/1348	2465/2064/1770	2567/2350/2222	2567/2350/2222
Indoor air flow (Hi/M/Lo)	CFM		1044.12/902.35/792.94	1044.12/902.35/792.94	1450.00/1214.12/1041.18	1510.00/1382.35/1307.06	1510.00/1382.35/1307.06
Indoor noise level (Hi/M/Lo)	dB(A)		54/50/47	55/52/49	56/53/51	58/56/54.5	58/56/55
Indoor unit	Dimension(W*D*H)	mm	1285x675x235	1285x675x235	1650x675x235	1650x675x235	1650x675x235
	Dimension(W*D*H)	inch	50.59x26.57x9.25	50.59x26.57x9.25	64.96x26.57x9.25	64.96x26.57x9.25	64.96x26.57x9.25
	Packing (W*D*H)	mm	1360x755x318	1360x755x318	1725x755x318	1725x755x318	1725x755x318
	Packing (W*D*H)	inch	53.54x29.72x12.52	53.54x29.72x12.52	67.91x29.72x12.52	67.91x29.72x12.52	67.91x29.72x12.52
	Net/Gross weight	Kg	32/38	32/38	40.1/46.9	44.5/51.5	44.5/51.5
	Net/Gross weight	lbs.	70.55/83.77	70.55/83.77	88.40/103.40	98.10/113.54	98.10/113.54
Drainage water pipe dia	mm		ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	
Qty'per 20' /40' /40'HQ	Indoor unit		92/188/213	92/188/213	72/147/167	72/147/167	72/147/167
Compressor	Model		KTF250D22UMT	KTF250D22UMT	KTQ420D1UMUJ	KTQ420D1UMUJ	KTQ420D1UMUJ
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8095	8095	13700	13700	13700
	Input	W	2200	2200	3700	3700	3700
	Thermal protector		/	/	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/670	VG74/670	VG74/1400	VG74/1400	VG74/1400
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2	YKT-90-6-9	YKT-90-6-9	YKT-90-6-9
	Input	W	150.0	150.0	143.0	143.0	143.0
	LRA	A	3	3	0.76	0.76	0.76
	Winding Resistance	Ω	42	42	74	74	74
	Capacitor	uF	/	/	5	5	5
	Speed	r/min	1050/900/850	1050	860/780	860/780	860/780
Outdoor air flow	m ³ /h		5100	5100	7500	7200	
Outdoor air flow	CFM		3000.00	3000.00	4411.76	4235.29	4235.29
Outdoor noise level	dB(A)		63	64	63	65	65
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Dimension(W*D*H)	inch	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480	1095x495x1480
	Packing (W*D*H)	inch	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27	43.11x19.49x58.27	43.11x19.49x58.27
	Net/Gross weight	Kg	65/70	66.8/71.5	95.3/108.1	100/113	102.6/115.3
	Net/Gross weight	lbs.	143.30/154.32	147.27/157.63	210.10/238.32	220.46/249.12	226.19/254.19
Refrigerant type	oz		R410A/2.8	R410A/2.8	R410A/4	R410A/4.3	
Refrigerant precharge	ft		30	30	30	30	
Additional charge for each ft	oz		0.32	0.32	0.32	0.32	
Refrigerant piping	Liquid side/ Gas side	mm (inch)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	52mm(3/8in)/19mm(3/4in)	52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	50	50	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04	164.04	164.04
	Max. difference in level	m	20	20	30	30	30
	Max. difference in level	ft	65.62	65.62	98.42	98.42	98.42
Room temperature	Indoor(cooling/heating)	℃	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	℃	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)	m ²		48~70	48~70	64~94	73~107	73~107
Application area (cooling standard)	sq.ft		516.67~753.47	516.67~753.47	688.89~1011.81	785.76~1151.74	785.76~1151.74
Qty'per 20' /40' /40'HQ	Outdoor unit		44/96/138	44/96/138	22/48/48	22/48/48	22/48/48



CASSETTE

- » Long Distance Alarm
- » ON/OFF Controller
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Indoor			CK42AX036-C3N1H	CK42AX036-C3N1H	CK42AX048-C3N1H	CK42AX060-C3N1H	CK42AX060-C3N1H
Outdoor			CM42AX036-H3N1H	CM42AX036-H5N1H	CM42AX048-H3N1H	CM42AX060-H3N1H	CM42AX060-H5N1H
Power supply (Indoor)	V- Ph-Hz		220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz
Power supply (Outdoor)	V- Ph-Hz		220-230V,1Ph, 60Hz	220V,3Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,3Ph, 60Hz
Cooling	Capacity (range)	Btu/h	36000(~/-)	36000(~/-)	48000(~/-)	50000(0~0)	50000(0~0)
	Input	W	4074	3966	5960	5702	5668
	Rated current	A	17.7	10.5	25.9	23.85	14.29
	SEER	Btu/w	15.2	15.2	14.0	14.3	14.3
Heating	Capacity (range)	Btu/h	36000(~/-)	36000(~/-)	48000(~/-)	50000(0~0)	50000(0~0)
	Input	W	3650	3550	4970	5534	5507
	Rated current	A	15.8	9.8	21.6	23.15	13.88
	COP	WW	2.89	2.97	2.83	2.65	2.66
Indoor fan motor	Model		YKS-125-6-6	YKS-125-6-6	YKS-125-6-6	YKS-125-6-6	YKS-125-6-6
	Input	W	242.0	242.0	242.0	242.0	242.0
	LRA	A	1.3	1.3	1.3	1.3	1.3
	Winding Resistance	Ω	49	49	49	49	49
	Capacitor	uF	4.5	4.5	4.5	4.5	4.5
Indoor air flow (Hi/M/Lo)	r/min		780/715/600/550	780/715/600/550	780/715/600/550	780/715/600/550	780/715/600/550
	m3/h		1927.3/1437/1309	1927.3/1437/1309	1847/1355/1242	1856/1370/1252	1856/1370/1252
Indoor air flow (Hi/M/Lo)	CFM		1133.71/845.29/770.00	1133.71/845.29/770.00	1086.47/797.06/730.59	1091.76/805.88/736.47	1091.76/805.88/736.47
Indoor noise level (Hi/M/Lo)	dB(A)		57/49/47	56/49/47	55/49/47.5	53.5/49/47	53.5/49/47
Indoor unit	Dimension(W*D*H)	mm	840x840x245	840x840x245	840x840x287	840x840x287	840x840x287
	Dimension(W*D*H)	inch	33.07x33.07x9.65	33.07x33.07x9.65	33.07x33.07x11.30	33.07x33.07x11.30	33.07x33.07x11.30
	Packing (W*D*H)	mm	900x900x265	900x900x265	900x900x307	900x900x307	900x900x307
	Packing (W*D*H)	inch	35.43x35.43x10.43	35.43x35.43x10.43	35.43x35.43x12.09	35.43x35.43x12.09	35.43x35.43x12.09
	Net/Gross weight	Kg	25.7/30.8	25.7/30.8	30.3/35.3	30.1/35.4	30.1/35.4
	Net/Gross weight	lbs.	56.66/67.90	56.66/67.90	66.14/77.82	66.36/78.04	66.36/78.04
Drainage water pipe dia	mm		ODΦ32mm	ODΦ32mm	ODΦ32mm	ODΦ32mm	ODΦ32mm
Qty per 20' /40' /40'HQ	Indoor unit		128/268/294	128/268/294	100/212/238	100/212/238	100/212/238
Compressor	Model		KTF250D22UMT	KTF250D22UMT	KTQ420D1UMJ	KTQ420D1UMJ	KTQ420D1UMJ
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8095	8095	13700	13700	13700
	Input	W	2200	2200	3700	3700	3700
	Thermal protector		/	/	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
	Capacitor	uF	/	/	/	/	/
	Refrigerant oil/oil charge	ml	VG74/670	VG74/670	VG74/1400	VG74/1400	VG74/1400
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2	YKT-90-6-9	YKT-90-6-9	YKT-90-6-9
	Input	W	150.0	150.0	143.0	143.0	143.0
	LRA	A	3	3	0.76	0.76	0.76
	Winding Resistance	Ω	42	42	74	74	74
	Capacitor	uF	/	/	5	5	5
	Speed	r/min	1050/900/850	1050	860/780	860/780	860/780
Outdoor air flow	m3/h		5100	5100	7500	7200	7200
Outdoor air flow	CFM		3000.00	3000.00	4411.76	4235.29	4235.29
Outdoor noise level	dB(A)		67	64	63	64	64
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Dimension(W*D*H)	inch	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480	1095x495x1480
	Packing (W*D*H)	inch	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27	43.11x19.49x58.27	43.11x19.49x58.27
	Net/Gross weight	Kg	65/70	66.8/71.5	95.3/108.1	100/113	102.6/115.3
	Net/Gross weight	lbs.	143.30/154.32	147.27/157.63	210.10/238.32	220.46/249.12	226.19/254.19
Refrigerant type	oz		R410A/2.8	R410A/2.8	R410A/4	R410A/4.3	R410A/4.3
Refrigerant precharge	ft		30	30	30	30	30
Additional charge for each ft	oz		0.32	0.32	0.32	0.32	0.32
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	50	50	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04	164.04	164.04
	Max. difference in level	m	20	20	30	30	30
	Max. difference in level	ft	65.62	65.62	98.42	98.42	98.42
Room temperature	Indoor(cooling/ heating)	℃	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	℃	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)	m ²		48~70	48~70	67~98	67~98	67~98
Application area (cooling standard)	sq.ft		516.67~753.47	516.67~753.47	721.18~1054.86	721.18~1054.86	721.18~1054.86
Qty per 20' /40' /40'HQ	Outdoor unit		44/96/138	44/96/138	22/48/48	22/48/48	22/48/48

FAN COIL



- » Long Distance Alarm
- » ON/OFF Controller
- » Build-in Pump
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- » Wifi Port

Indoor		CC42AX036-E3N1H	CC42AX036-E3N1H	CC42AX048-E3N1H	CC42AX060-E3N1H	CC42AX060-E3N1H	
Outdoor		CM42AX036-H3N1H	CM42AX036-H5N1H	CM42AX048-H3N1H	CM42AX060-H3N1H	CM42AX060-H5N1H	
Power supply (Indoor)	V- Ph-Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	
Power supply (Outdoor)	V- Ph-Hz	220-230V,1Ph, 60Hz	220V,3Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,1Ph, 60Hz	220-230V,3Ph, 60Hz	
Cooling	Capacity (range)	Btu/h	36000(/~)	36000(/~)	48000(/~)	55000(/~)	55000(/~)
	Input	W	4220	4058	5867	6301	6317
	Rated current	A	18.3	10.9	25.81	26.42	15.42
	EER	Btu/w	/	/	/	/	/
	SEER	Btu/w	14.8	14.8	14.0	14.0	14.0
Heating	Capacity (range)	Btu/h	36000(/~)	36000(/~)	48000(/~)	55000(/~)	55000(/~)
	Input	W	3267	3100	4366	5347	5439
	Rated current	A	14.2	8.8	19.33	22.48	13.27
	COP	W/W	3.23	3.4	3.2	3.01	2.96
Indoor fan	Model		YKSS-115-4-21	YKSS-115-4-21	YKSS-480-4-2	YKSS-480-4-2	YKSS-480-4-2
	Input	W	253.0	253.0	/	/	/
	LRA	A	1.33	1.33	5.38	5.38	5.38
	Winding Resistance	Ω	71	71	9.5	9.5	9.5
	Capacitor	uF	5	5	20	20	20
	Speed(Hi/M/Lo)	r/min	1263/1123/1000	1263/1123/1000	800/900/1000	1040/900/800	1040/900/800
Indoor air flow (Hi/M/Lo)	m ³ /h	1697/1205/999	1697/1205/999	2825/2383/2050	2681/2281/1962	2681/2281/1962	
Indoor air flow (Hi/M/Lo)	CFM	998.24/708.82/587.65	998.24/708.82/587.65	1661.76/1401.76/1205.88	1577.06/1341.76/1154.12	1577.06/1341.76/1154.12	
Indoor noise level (Hi/M/Lo)	dB(A)	50/42/40	50/54/34/0	54/51/47	53/50/47	54/52/48	
Indoor unit	Dimension(W*D*H)	mm	1100x774x249	1100x774x249	1200x874x300	1200x874x300	1200x874x300
	Dimension(W*D*H)	inch	43.31x30.47x9.80	43.31x30.47x9.80	47.24x34.41x11.81	47.24x34.41x11.81	47.24x34.41x11.81
	Packing (W*D*H)	mm	1305x805x315	1305x805x315	1405x915x365	1405x915x365	1405x915x365
	Packing (W*D*H)	inch	51.38x31.69x12.40	51.38x31.69x12.40	55.31x36.02x14.37	55.31x36.02x14.37	55.31x36.02x14.37
	Net/Gross weight	Kg	33/41	33/41	45.7/54.6	47/56	47/56
	Net/Gross weight	lbs.	72.75/90.39	72.75/90.39	100.75/120.37	103.62/123.46	103.62/123.46
Drainage water pipe dia	mm	/	/	ODΦ25mm	/	/	
Qty'per 20' /40' /40'HQ	Indoor unit		77/161/184	77/161/184	62/130/149	62/130/149	62/130/149
Compress	Model		KTF250D22UMT	KTF250D22UMT	KTQ420D1UMU	KTQ420D1UMU	KTQ420D1UMU
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8095	8095	13700	13700	13700
	Input	W	2200	2200	3700	3700	3700
	Thermal protector		/	/	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
	Capacitor	uF	/	/	/	/	/
	Refrigerant oil/oil charge	ml	VG74/670	VG74/670	VG74/1400	VG74/1400	VG74/1400
Outdoor fan	Model		ZKFN-120-8-2	ZKFN-120-8-2	YKT-90-6-9	YKT-90-6-9	YKT-90-6-9
	Input	W	150.0	150.0	143.0	143.0	143.0
	LRA	A	3	3	0.76	0.76	0.76
	Winding Resistance	Ω	42	42	74	74	74
	Capacitor	uF	/	/	5	5	5
	Speed	r/min	1050/900/850	1050	860/780	860/780	860/780
Outdoor air flow	m ³ /h	5100	5100	7500	7200	7200	
Outdoor air flow	CFM	3000.00	3000.00	4411.76	4235.29	4235.29	
Outdoor noise level	dB(A)	61	64	63	65	65	
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Dimension(W*D*H)	inch	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480	1095x495x1480
	Packing (W*D*H)	inch	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27	43.11x19.49x58.27	43.11x19.49x58.27
	Net/Gross weight	Kg	65/70	66.8/71.5	95.3/108.1	100/113	102.6/115.3
	Net/Gross weight	lbs.	143.30/154.32	147.27/157.63	210.10/238.32	220.46/249.12	226.19/254.19
Refrigerant type	oz	R410A/2.8	R410A/2.8	R410A/4	R410A/4.3	R410A/4.3	
Refrigerant precharge	ft	30	30	30	30	30	
Additional charge for each ft	oz	0.32	0.32	0.32	0.32	0.32	
Refrigerant pip	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	50	50	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04	164.04	164.04
	Max. difference in level	m	20	20	30	30	30
	Max. difference in level	ft	65.62	65.62	98.42	98.42	98.42
Thermostat type		(Wire Control)	(Wire Control)	(Wire Control)	(Wire Control)	(Wire Control)	
Room temperature	℃	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	
Outdoor(cooling/heating)	℃	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24	
Application area (Cooling Standard)	m ²	48~70	48~70	64~94	73~107	73~107	
Application area (cooling standard)	sq.ft	516.67~753.47	516.67~753.47	688.89~1011.81	785.76~1151.74	785.76~1151.74	
Qty'per 20' /40' /40'HQ	Outdoor unit		44/96/138	44/96/138	22/48/48	22/48/48	22/48/48



OUTDOOR UNITS

- » Long Distance Alarm
- » ON/OFF Controller
- » Build-in Pump
- » Digital Display
- » Follow Me
- » Anti-Cold Wind Switch
- » Emergency Using
- » Wifi Port

Outdoor Unit Model Number		CM42AX036-H3N1H	CM42AX036-H5N1H	CM42AX048-H3N1H	CM42AX060-H3N1H	CM42AX060-H5N1H	
Power supply	V- Ph-Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz	208-230V,1Ph, 60Hz	
Compressor	System type			Heat pump			
	Model	KTF250D22UMT	KTF250D22UMT	KTQ420D1UMJ	KTQ420D1UMJ	KTQ420D1UMJ	
	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	
	Capacity	W	8095	8095	13700	13700	13700
	Input	W	2200	2200	3700	3700	3700
	Thermal protector		/	/	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/670	VG74/670	VG74/1400	VG74/1400	VG74/1400
Outdoor fan motor	Model	ZKFN-120-8-2	ZKFN-120-8-2	YKT-90-6-9	YKT-90-6-9	YKT-90-6-9	
	Input	W	150.0	150.0	143.0	143.0	
	LRA	A	3	3	0.76	0.76	0.76
	Winding Resistance	Ω	42	42	74	74	74
	Capacitor	uF	/	/	5	5	5
	Speed	r/min	1050/900/850	1050	860/780	860/780	860/780
Outdoor air flow	m ³ /h	5100	5100	7500	7200	7200	
Outdoor air flow	CFM	3000.00	3000.00	4411.76	4235.29	4235.29	
Outdoor noise level	dB(A)	63	64	63	65	65	
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Dimension(W*D*H)	inch	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480	1095x495x1480
	Packing (W*D*H)	inch	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27	43.11x19.49x58.27	43.11x19.49x58.27
	Net/Gross weight	Kg	65/70	66.8/71.5	95.3/108.1	100/113	102.6/115.3
	Net/Gross weight	lbs.	143.30/154.32	147.27/157.63	210.10/238.32	220.46/249.12	226.19/254.19
Refrigerant type	oz	R410A/2.8	R410A/2.8	R410A/4	R410A/4.3	R410A/4.3	
Refrigerant precharge	ft	30	30	30	30	30	
Additional charge for each ft	oz	0.32	0.32	0.32	0.32	0.32	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	50	50	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04	164.04	164.04
	Max. difference in level	m	20	20	30	30	30
	Max. difference in level	ft	65.62	65.62	98.42	98.42	98.42
Room temperature	Indoor(cooling/heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)		0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)	m ²	48~70	48~70	64~94	73~107	73~107	
Application area (cooling standard)	sq.ft	516.67~753.47	516.67~753.47	688.89~1011.81	785.76~1151.74	785.76~1151.74	
Qty/per 20' /40' /40'HQ	Outdoor unit	44/96/138	44/96/138	22/48/48	22/48/48	22/48/48	



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