



CIAC
Air conditioning

FREEDOM
INVERTER | A SERIES



INVERTER
TECHNOLOGY



FLOOR CEILING

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

Indoor			CF42AX038-M3N1H	CF42AX038-H3N1H	CF42AX048-M3N1H	CF42AX048-H3N1H	CF42AX060-M3N1H	CF42AX060-M3N1H
Outdoor			CF42AX038-H3N1H	CF42AX038-H3N1H	CF42AX048-H3N1H	CF42AX048-H3N1H	CF42AX060-H3N1H	CF42AX060-H3N1H
Power supply (Indoor)	V-Ph-Hz		220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	220-230V, 3Ph, 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, 1Ph, 60Hz	220-230V, 3Ph, 60Hz
Cooling	Capacity (range)	Stu/h	36000(-/+)	36000(-/+)	48000(-/+)	48000(-/+)	56000(-/+)	56000(-/+)
	Input	W	4121	3985	5552	5552	6042	5048
	Rated current	A	17.9	9.95	24.3	24.3	25.38	14.54
	SEER	Btu/hv	15.6	15.6	12.3	12.3	14.3	14.3
Heating	Capacity (range)	Stu/h	36000(-/+)	36000(-/+)	48000(-/+)	48000(-/+)	56000(-/+)	56000(-/+)
	Input	W	3406	3400	4769	4769	5306	5332
	Rated current	A	14.8	8.8	20.73	20.73	22.31	13.03
	COP	WW	3.1	3.18	2.95	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	YKSS-130-4-1L
	Input	W	236.0	236.0	166.0	166.0	216.0	216.0
	LRA	A	1.33	1.33	1.18	1.18	2.03	2.03
	Winding Resistance	Ω	71	71	85	85	47.2	47.2
	Capacitor	μF	5	5	5	5	6.5	6.5
	Speed(H/M/L/c)	r/min	1263/1123/1020	1263/1123/1000	1433/1295/1165	1640/1530/1430/1370	1640/1530/1430/1370	1640/1530/1430/1370
Indoor air flow (H/M/L/c)	m ³ /h	1775/1534/1348	1775/1534/1348	2465/2084/1770	2667/2350/2232	2667/2350/2232	2967/2550/2322	
Indoor air flow (H/M/L/c)	CFM	1044/1260/1192/94	1044/1260/1192/94	1480/1292/1194/1041/81	1510/1382/135/1307/80	1510/1382/135/1307/80	1810/1530/1430/1370/80	
Indoor noise level (H/M/L/c)	dB(A)	54/50/47	55/50/49	56/51/51	58/56/54.5	58/56/54.5	58/56/54.5	
Indoor unit	Dimension(W*D*H)	mm	1285x675x235	1285x675x235	1605x675x235	1605x675x235	1605x675x235	1850x675x235
	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	74.02x26.57x9.25
	Packing (W*D*H)	mm	1360x750x18	1360x750x18	1725x750x18	1725x750x18	1725x750x18	1725x750x18
	Packing (W*D*H)	inch	53.54x29.72x12.53	53.54x29.72x12.53	67.91x29.72x12.53	67.91x29.72x12.53	67.91x29.72x12.53	67.91x29.72x12.53
	Net/Gross weight	kg	32/38	32/38	40/46.9	40/46.9	44/51.5	44/51.5
	Net/Gross weight	lbs	70.55/83.77	70.55/83.77	88.40/103.40	88.40/103.40	98.10/113.54	98.10/113.54
	Drainage water pipe dia	mm	GD9025mm	GD9025mm	GD9025mm	GD9025mm	GD9025mm	GD9025mm
Qty/per 20' /40' /45'HQ	Indoor unit		92/188/213	92/188/213	72/147/167	72/147/167	72/147/167	
Compressor	Model		KTF250Q22UMT	KTF250Q22UMT	KTQ420Q1UMJ	KTQ420Q1UMJ	KTQ420Q1UMJ	KTQ420Q1UMJ
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8095	8095	13700	13700	13700	13700
	Input	W	2200	2200	3700	3700	3700	3700
	Thermal protector		/	/	INT01L-4639	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/670	VG74/670	VG74/1400	VG74/1400	VG74/1400	VG74/1400
Outdoor fan motor	Model		ZKFN-120-B-2	ZKFN-120-B-2	YKT-90-B-9	YKT-90-B-9	YKT-90-B-9	YKT-90-B-9
	Input	W	100.0	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	μF	7	7	5	5	5	
Speed	r/min	1050/900/850	1050	860/780	860/780	860/780		
Outdoor air flow	m ³ /h	6100	6100	7920	7920	7200		
Outdoor air flow	CFM	3000.00	3030.00	4411.79	4235.29	4235.29		
Outdoor noise level	dB(A)	65	64	63	65	65		
Outdoor unit	Dimension(W*D*H)	mm	948x1198x10	948x1198x10	952x1581x333	952x1581x333	952x1581x333	
	Dimension(W*D*H)	inch	37.24x16.14x0.18	37.24x16.14x0.18	37.48x16.34x0.48	37.48x16.34x0.48	37.48x16.34x0.48	
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x950x1490	1095x950x1490	1095x950x1490	
	Packing (W*D*H)	inch	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x59.27	43.11x19.49x59.27	43.11x19.49x59.27	
	Net/Gross weight	kg	65/70	66.8/71.5	96.3/106.1	100/113	102.6/115.3	
	Net/Gross weight	lbs	143.30/154.32	147.27/157.63	210.10/236.32	220.46/249.12	228.19/254.19	
Refrigerant type	oz	R410A2.8	R410A2.8	R410A4	R410A4.3	R410A4.3		
Refrigerant precharge	g	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(3/8")/13mm(1/2")	9.52mm(3/8")/13mm(1/2")	52mm(2")/75mm(3")	52mm(2")/75mm(3")	52mm(2")/75mm(3")	
	Max. refrigerant pipe length	m	30	30	50	50	50	
	Max. difference in level	ft	98.42	98.42	164.04	164.04	164.04	
	Max. difference in level	m	30	30	50	50	50	
	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)	°C	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	518.67~763.47	518.67~763.47	688.99~1011.81	785.78~1151.74	785.78~1151.74		
Qty/per 20' /40' /45'HQ	Outdoor unit		44/96/138	44/96/138	22/48/48	22/48/48	22/48/48	



CASSETTE

- » Long Distance Alarm
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Indoor		CM42AX036-C3NH	CM42AX036-C3NH	CM42AX048-C3NH	CM42AX090-C3NH	CM42AX060-C3NH
Outdoor		CM42AX036-H3NH	CM42AX036-H3NH	CM42AX048-H3NH	CM42AX090-H3NH	CM42AX060-H3NH
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, 1Ph, 60Hz
Cooling	Capacity (range)	36000(-)	36000(-)	48000(-)	50000(0-)	50000(0-)
	Input	4074	3996	5996	5703	5666
	Rated current	A	17.7	10.5	25.8	14.2
	SEER	Btu/h	15.2	15.2	14.0	14.3
Heating	Capacity (range)	36000(-)	36000(-)	48000(-)	50000(0-)	50000(0-)
	Input	3650	3090	4970	5534	5507
	Rated current	A	15.8	9.8	21.8	23.1
	COP	WW	2.88	2.87	2.85	2.65
Indoor fan motor	Model	YKS-125-E-8	YKS-125-E-8	YKS-125-E-6	YKS-125-E-6	YKS-125-E-6
	Input	W	242.0	242.0	242.0	242.0
	LRA	A	1.3	1.3	1.3	1.3
	Winding Resistance	Ω	49	49	49	49
Capacitor	μF	4.5	4.5	4.5	4.5	
Speed (r/min)	r/min	780/15800/550	780/15800/550	780/15800/550	780/15800/550	780/15800/550
Indoor air flow (H/M/L)	m ³ /h	1927.3/1437/1309	1927.3/1437/1309	1847/1355/1242	1856/1370/1252	1856/1370/1252
Indoor air flow (H/M/L)	CFM	1133.7/843.2/877.0	1133.7/843.2/877.0	1086.4/797.0/730.9	1091.7/805.8/736.4	1091.7/805.8/736.4
Indoor noise level (H/M/L)	dB(A)	57/49/47	54/49/47	55/49/47.5	57.5/49/47	57.5/49/47
Indoor unit	Dimension (W/D/H)	mm	840x840x245	840x840x245	840x840x287	840x840x287
	Dimension (W/D/H)	inch	33.07x33.07x9.65	33.07x33.07x9.65	33.07x33.07x11.30	33.07x33.07x11.30
	Packing (W/D/H)	mm	900x900x265	900x900x265	930x900x307	900x900x307
	Packing (W/D/H)	inch	35.43x35.43x10.43	35.43x35.43x10.43	36.43x35.43x12.09	35.43x35.43x12.09
	Net/Gross weight	Kg	25.7/30.8	25.7/30.8	36.05/3	36.1/35.4
	Net/Gross weight	lbs	56.66/67.90	56.66/67.90	66.14/77.82	66.36/78.04
	Drainage water pipe dia	mm	GD40mm	GD40mm	GD40mm	GD40mm
Qty per 30' (40' /40'HQ)	Indoor unit	128/288/294	128/288/294	106/212/238	100/212/238	100/212/238
Compressor	Model	KTF250023LMT	KTF250023LMT	KTQ42001UMJ	KTQ42001UMJ	KTQ42001UMJ
	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8095	8095	13700	13700
	Input	W	2200	2200	3700	3700
	Thermal protector	/	/	/	IN101L-4639	IN101L-4639
	Thermal protector position	NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
	Capacitor	μF	/	/	/	/
	Refrigerant oil charge	ml	VG74670	VG74670	VG741400	VG741400
	Model	ZFN-125-E-2	ZFN-125-E-2	YKT-90-E-9	YKT-90-E-9	YKT-90-E-9
Outdoor fan motor	Input	W	193.0	193.0	143.0	143.0
	LRA	A	3	3	0.76	0.76
	Winding Resistance	Ω	42	42	74	74
	Capacitor	μF	/	/	5	5
Speed	r/min	1050/900/850	1000	850/790	850/790	
Outdoor air flow	m ³ /h	5100	5100	7500	7300	
Outdoor air flow	CFM	3000.00	3000.00	4411.76	4235.29	
Outdoor noise level	dB(A)	67	64	63	64	
Outdoor unit	Dimension (W/D/H)	mm	946x124810	946x124810	952x151333	952x151333
	Dimension (W/D/H)	inch	37.24x16.14x41.88	37.24x16.14x41.88	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W/D/H)	mm	1050x900x885	1050x900x885	1095x950x1485	1095x950x1485
	Packing (W/D/H)	inch	41.31x19.68x34.84	41.31x19.68x34.84	43.11x19.68x58.27	43.11x19.68x58.27
	Net/Gross weight	Kg	66/76	66.8/77.5	95.3/101.1	100/113
	Net/Gross weight	lbs	145.30/154.32	147.27/157.63	210.10/223.32	220.46/248.12
Refrigerant type	oz	R410A2.8	R410A2.8	R410A4	R410A4.3	
Refrigerant precharge	oz	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)	9.52mm(3/8in) / 19mm(3/4in)	9.52mm(3/8in) / 19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	50	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04	164.04
	Max. difference in level	m	30	30	30	30
	Max. difference in level	ft	98.42	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	
Room temperature (Outdoor/cooling/heating)	°C	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	67~99	67~88	
Application area (cooling standard)	sq.ft	516.67~753.47	516.67~753.47	721.18~1054.86	721.18~1054.86	
Qty per 30' (40' /40'HQ)	Outdoor unit	44/96/138	44/96/138	22/48/68	22/48/68	

FAN COIL



- » Long Distance Alarm
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Indoor		CC42A0036-EDN1H	CC42A0036-EDN1H	CC42A0048-EDN1H	CC42A0060-EDN1H	CC42A0066-EDN1H	
Outdoor		CM42A0036-HDN1H	CM42A0036-HDN1H	CM42A0048-HDN1H	CM42A0060-HDN1H	CM42A0066-HDN1H	
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	220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	
Cooling	Capacity (range)	Btu/h	36000(-)	48000(-)	60000(-)	66000(-)	
	Input	W	4220	5667	6301	6317	
	Rated current	A	18.3	25.81	28.42	28.42	
	EER	Btu/h	-	-	-	-	
	SEER	Btu/h	14.0	14.0	14.0	14.0	
Heating	Capacity (range)	Btu/h	36000(-)	48000(-)	60000(-)	66000(-)	
	Input	W	3267	4366	5067	5439	
	Rated current	A	14.2	19.35	22.49	23.27	
	COP	WW	3.25	3.4	3.01	2.98	
	Model		YK58-115-4-21	YK58-115-4-21	YK58-483-4-2	YK58-483-4-2	YK58-483-4-2
Indoor fan	Input	W	253.0	-	-	-	
	LRA	A	1.35	1.31	5.39	5.39	
	Winding Resistance	Ω	71	71	9.5	9.5	
	Capacitor	μF	5	5	20	20	
	Speed (r/min)	r/min	1263/1231/1000	1263/1231/1000	800/800/1000	1040/1000/800	1040/1000/800
Indoor air flow (F-HML/L)	m ³ /h	1697/1205/999	1697/1205/999	2625/2383/2058	2611/2261/1962	2691/2261/1962	
Indoor air flow (F-HML/L)	CFM	598.24/708.82/357.65	598.24/708.82/357.65	1661.78/1401.76/1205.88	1577.06/1341.70/1154.12	1577.06/1341.70/1154.12	
Indoor noise level (F-HML/L)	dB(A)	50/42/40	50/42/40	54/51/47	53/50/47	54/50/46	
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	1405x815x365	1405x815x365	1405x815x365
	Packing (W/D/H)	inch	51.38x31.69x12.40	51.38x31.69x12.40	55.31x31.98x14.37	55.31x31.98x14.37	55.31x31.98x14.37
	NetGross weight	Kg	3341	3341	45754.0	4796	4796
	NetGross weight	lbs	72.75/60.38	72.75/60.38	100.75/120.37	103.62/123.46	103.62/123.46
	Drainage water pipe dia	mm	-	-	OD:25mm	-	-
	Qty/per 20' /40' /48'HQ	Indoor unit	77/61/184	77/61/184	62/130/149	62/130/149	62/130/149
	Model		KTF250022UMT	KTF250022UMT	KTQ42001UMU	KTQ42001UMU	KTQ42001UMU
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Compressor	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	
	Capacity	W	8095	8095	13700	13700	
	Input	W	2200	2200	3700	3700	
	Thermal protector		-	-	INTO1L-4839	INTO1L-4839	INTO1L-4839
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
Capacitor	μF	-	-	-	-	-	
Refrigerant oil/oil charge	ml	VG74670	VG74670	VG741400	VG741400	VG741400	
Outdoor fan	Model		ZKFN-120-6-3	ZKFN-120-6-3	YKT-60-6-8	YKT-60-6-8	
	Input	W	150.0	150.0	143.0	143.0	
	LRA	A	3	3	0.76	0.76	
	Winding Resistance	Ω	42	42	74	74	
	Capacitor	μF	-	-	5	5	
Speed	r/min	1050/900/800	1050	860/750	860/750	860/750	
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	946x1060	946x1060	932x1151/333	932x1151/333	932x1151/333
	Dimension(W/D/H)	inch	37.24x41.73x41.89	37.24x41.73x41.89	37.48x45.34x13.11	37.48x45.34x13.11	37.48x45.34x13.11
	Packing (W/D/H)	mm	1090x900x685	1090x900x685	1095x950x1480	1095x950x1480	1095x950x1480
	Packing (W/D/H)	inch	42.91x35.43x27.01	42.91x35.43x27.01	43.11x37.40x58.27	43.11x37.40x58.27	43.11x37.40x58.27
	NetGross weight	Kg	6570	66371.3	90310.6	90311.3	102.6/115.3
	NetGross weight	lbs	143.30/154.32	147.27/157.83	210.10/236.32	220.46/249.12	226.19/254.19
Refrigerant type	oz	R410A2.8	R410A2.8	R410A4	R410A4.3	R410A4.3	
Refrigerant precharge	g	30	30	30	30	30	
Additional charge for each ft	oz	0.32	0.32	0.32	0.32	0.32	
Refrigerant pipe	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 (Indoor/cooling/heating)	°C	17~32.0~30	17~32.0~30	17~32.0~30	17~32.0~30	17~32.0~30	
Room temperature (Outdoor/cooling/heating)	°C	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	46~70	46~70	64~94	73~107	73~107	
Application area (cooling standard)	sq.ft	516.67~753.47	516.67~753.47	688.80~1011.81	785.70~1151.74	785.70~1151.74	
Qty/per 20' /40' /48'HQ	Outdoor unit	44/61/39	44/61/39	22/46/48	22/46/48	22/46/48	



OUTDOOR UNITS

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

Outdoor Unit Model Number			CM42AX036-H0N1H	CM42AX036-H0N1H	CM42AX048-H0N1H	CM42AX060-H0N1H	CM42AX060-H0N1H
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	KTG420D1UMU	KTG420D1UMU	KTG420D1UMU
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	8000	8000	13700	13700	13700
	Input	W	3200	3200	3700	3700	3700
	Thermal protector		/	/	INTD1L-4030	INTD1L-4030	INTD1L-4030
	Thermal protector position		NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
Refrigerant oil charge	ml	VG74670	VG74670	VG741400	VG741400	VG741400	
Outdoor fan motor	Model		ZKFN-120-B-2	ZKFN-120-B-2	YKT-90-B-9	YKT-90-B-9	YKT-90-B-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	μF	/	/	5	5	5
Speed	r/min	1050/900/650	1050	960/760	960/760	860/760	
Outdoor air flow	m ³ /h		5100	5100	7300	7300	7300
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	940x1040x110	940x1040x110	952x1151x333	952x1151x333	952x1151x333
	Dimension(W*D*H)	Inch	37.24x16.14x0.189	37.24x16.14x0.189	37.48x15.34x0.248	37.48x15.34x0.248	37.48x15.34x0.248
	Packing (W*D*H)	mm	1000x1000x895	1000x1000x895	1000x951x880	1000x951x880	1000x951x880
	Packing (W*D*H)	Inch	42.91x19.69x0.484	42.91x19.69x0.484	43.11x18.90x0.27	43.11x19.49x0.27	43.11x18.90x0.27
	Net/Gross weight	Kg	65/70	66.8/71.5	96.3/106.1	100/113	102.6/113.3
Net/Gross weight	lbs	143.30/154.33	147.37/157.63	210.10/234.33	220.46/249.13	226.19/254.19	
Refrigerant type	oz	R410A/2.8	R410A/2.8	R410A/3	R410A/3	R410A/3	
Refrigerant precharge	g	30	30	30	30	30	
Additional charge for each ft	oz	0.33	0.32	0.32	0.32	0.32	
Refrigerant piping	Liquid side/ Gas side	mm (inch)	9.52mm(3/8x)15.8mm(3/4in)	9.52mm(3/8x)15.8mm(3/4in)	9.52mm(3/8x)19mm(3/4in)	9.52mm(3/8x)19mm(3/4in)	9.52mm(3/8x)19mm(3/4in)
	Max. refrigerant pipe length	m	30	30	30	30	30
	Max. refrigerant pipe length	ft	98.43	98.42	164.04	164.04	164.04
	Max. difference in level	m	30	30	30	30	30
	Max. difference in level	ft	98.43	98.42	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)	°C	0~30/-15~24	0~30/-15~24	0~30/-15~24	0~30/-15~24	0~30/-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	22/48/63	22/48/63	22/48/63



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