



UP TO
13
SEER

DUCTED AC SYSTEM

13 SEER
60 Hz

R-410A
REFRIGERANT



TECHNICAL SPECIFICATIONS

Outdoor Unit Model			CA42A-024-V3N1C	CA42A-036-V3N1C	CA42A-048-V3N1C	CA42A-060-V3N1C
Power supply		V-Ph-Hz	208/230V-1Ph-60Hz			
Cooling	Capacity	Btu/h	23000	34600	47000	57000
	SEER	Btu/h.W	13	13	13	13
MCA		A	14.3	20.2	27.7	31.1
MOP		A	25	35	45	50
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Brand		LG	LG	LG	LG
	Capacity	Btu/h	19500	30500	42500	51500
	Input	W	2010	3020	4048	4905
	Rated current(RLA)	A	10.9	15.3	20.8	23.5
	Locked rotor Amp(LRA)	A	53	70	100	125
	Thermal protector		Internal	Internal	internal	internal
	Capacitor	uF	35	45	70	75
	Refrigerant oil	ml	800	800	1500	1500
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3	1.3
	Fins per inch	mm	20	20	20	20
	Fin type (code)		non-hydrophilic aluminium			
	Tube outside dia. and type	mm	7	7	7	7
	Coil length x height	mm	1603x588x26.74	2163x588x26.74	2043x798x26.74	2163x798x26.74
inch		63-1/8"x23-1/8"x1"	85-1/8"x23-1/8"x1"	80-1/2"x31-3/8"x1"	85-1/8"x31-3/8"x1"	
Number of circuits		28	28	38	38	
Outdoor air flow	m3/h	2688	5520	7460	7260	
	CFM	1583	3250	4393	4275	
Outdoor sound level(sound pressure level)	dB(A)	59.7	60.0	62.8	64.0	
Outdoor unit	Dimension(W*H*D)	mm	600X633X600	740X633X740	710X843X710	740X843X740
		inch	23-5/8x24-15/16x23-5/8	29-1/8x24-15/16x29-1/8	28x33-3/16x28	29-1/8x33-3/16x29-1/8
	Packing(W*H*D)	mm	628X667X628	768X667X768	738X877X738	768X877X768
		inch	24-7/10x26-1/4x24-7/10	30-1/5x26-1/4x30-1/5	29x34-1/2x29	30-1/5x34-1/2x30-1/5
Net/Gross weight	Kg	62/66	73/79	92/99	95/102	
Charged refrigerant type	g	2900	3600	4250	4300	
	lbs. oz.	6 lbs. 6 oz.	7 lbs. 15 oz.	9 lbs. 6 oz.	9 lbs. 8 oz.	
Design pressure	PSI	550/250	550/250	550/250	550/250	
Refrigerant piping	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Max. refrigerant pipe length	ft	150	150	150	150
	Max. difference between outdoor unit and indoor unit	ft	33	33	33	33
Connection wiring	Power wiring	mm2	(2*5.3mm2+1*1.3mm2) (2*10AWG+1*16AWG)	(2*5.3mm2+1*1.3mm2) (2*10AWG+1*16AWG)	(2*5.3mm2+1*1.3mm2) (2*10AWG+1*16AWG)	(2*5.3mm2+1*1.3mm2) (2*10AWG+1*16AWG)
	Signal wiring	mm2	2*0.8mm2 (18AWG)	2*0.8mm2 (18AWG)	2*0.8mm2 (18AWG)	2*0.8mm2 (18AWG)
Operation temp	°C	17-30	17-30	17-30	17-30	
Ambient temp	°C	18-43	18-43	18-43	18-43	
Shipping per STD40HQ		228	180	144	135	

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TECHNICAL SPECIFICATIONS

Indoor Unit Model		CB42A-024-M3N1C	CB42A-036-M3N1C	CB42A-048-M3N1C	CB42A-060-M3N1C	
Power supply	V-Ph-Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	
MCA	A	1.3	2.2	2.8	3.5	
MOP	A	15	15	15	15	
Indoor fan motor	Model	YDK135-6F	YDK220-6F	YDK300-6F	YDK400-6F	
	Type	AcMotor	PSC	PSC	AcMotor	
	Brand	YongAn	YongAn	YongAn	YongAn	
	Insulation class	B	B	B	B	
	Safe class	IPX0	IPX0	IPX0	IPX0	
	Input	W	217	388	480	620
	Rated current	A	1	1.7	2.2	2.8
	Capacitor	uF	6	15	20	20
	Rated HP		1/5	1/3	1/2	3/4
	Speed	r/min	730/655/530	920/850/750	930/800/720	975/930/845
Rated RPM	r/min	1075	1075	1075	1075	
Max.input	W	285	480	630	730	
Supply duct dimensions(W*D)	inch	16x10-5/16	18x10-5/16	19-1/2x10-5/16	19-1/2x10-5/16	
Indoor external static pressure (Hi)	Pa	25	40	50	50	
Indoor limit value of static pressure and air flow	Pa/CFM	25/802	40/1389	50/1595	50/1966	
Indoor sound level (sound pressure level)	dB(A)	49/46/40	47/46/44	54/52/49	50/49/47	
Indoor unit	Dimension (W*H*D)	mm	460x1050x520	500x1180x550	560x1385x610	560x1385x610
		inch	18-1/8"x41-3/8"x20-1/2"	19-5/8"x46-1/2"x21-5/8"	22"x54-1/2"x24"	22"x54-1/2"x24"
	Packing (W*H*D)	mm	534X1084X614	573*1214*644	634X1418X704	634X1418X704
		inch	21x42-7/10x24-1/6	22-3/5x47-4/5x25-7/20	25x55-4/5x27-7/10	25x55-4/5x27-7/10
Net/Gross weight	Kg	48/54	61/66	77/84	78/85	
	lbs	114/128	135/146	170/185	172/187	
Refrigerant piping	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Max. refrigerant pipe length	ft	150	100	100	150
	Max. difference between outdoor unit and indoor unit	ft	33	33	33	50
Connection wiring	Power wiring	mm2	3*2.1mm2 (14#)	3x2.1 (14AWG)	3x2.1 (14AWG)	3*2.1mm2 (14#)
	Signal wiring	mm2	3*0.8mm2 (18#)	4x0.8 (18AWG)	4x0.8 (18AWG)	3*0.8mm2 (18#)
Drainage pipe outside diameter		RC3/4"	RC3/4"	RC3/4"	RC3/4"	
Controller		Wire Control	Wired Control	Wired Control	Wire Control	
Operation temp	°C	17-30	17-30	17-30	17-30	
Ambient temp	°C	-10-43	-10-43	-10-43	-10-43	
Shipping per STD40HQ		210	154	104	104	



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