



# DUCTED AC SYSTEM

18.5 SEER | 60 HZ



UP TO 18.5 SEER / 60HZ

**R-410A**  
REFRIGERANT



Outdoor Unit Model			CA418A-X024-V3N1C	CA418A-X036-V3N1C	CA418A-X048-V3N1C	CA418A-X060-V3N1C
Performance	Cooling Capacity	Btu/h	24,000	34,600	48,000	58,000
	SEER	Btu/h*W	18.5	18	18.5	18
	EER	-	13	11.4	12.5	11.7
Electric Parameter	Power supply	V-Ph-Hz	208/230V 1Ph~60Hz	208/230V 1Ph~60Hz	208/230V 1Ph~60Hz	208/230V 1Ph~60Hz
	MCA	A	24.8	24.8	38.8	38.8
	MOP	A	40	40	60	60
	Rated current	A	18.1	18.1	26.7	26.7
Compressor	Type	-	Rotary	Rotary	Rotary	Rotary
	Brand	-	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
	Thermal protector	Yes/No	Yes	Yes	Yes	Yes
	Oil Charge	ml	870	870	1400	1400
Outdoor Motor	Type	-	PSC	PSC	ECM	ECM
	Brand	-	Welling / Broad Ocean	Welling / Broad Ocean	Panasonic	Panasonic
	Insulation class	-	B	B	B	B
	Safe class	-	IP44	IP44	IP44	IP44
	Output Horse Power	HP	1/6	1/6	1/3	1/3
	Capacitor	uF	6	6	/	/
	Speed (Rated)	RPM	825	825	1050	1050
Outdoor Fan	Material	-	Metal	Metal	Metal	Metal
	Type	-	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan
	Airflow (Rated)	CFM	3100	3100	4100	4100
Outdoor coil	Number of rows	-	2	2	2	2
	Tube material	-	Copper	Copper	Copper	Copper
	FPI	-	17	17	19	19
	Fin type	-	hydrophilic aluminium	hydrophilic aluminium	hydrophilic aluminium	hydrophilic aluminium
Dimension & Weight	Unpacking(W*H*D)	mm	740×633×740	740×633×740	740×843×740	740×843×740
		inch	29-1/8×24-15/16×29-1/8	29-1/8×24-15/16×29-1/8	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Packing (W*H*D)	mm	768×667×768	768×667×768	768×877×768	768×877×768
		inch	30-1/4×26-1/4×30-1/4	30-1/4×26-1/4×30-1/4	30-1/4×34-1/2×30-1/4	30-1/4×34-1/2×30-1/4
	Net/Gross weight	kg	68/72	68/72	85/89	85/89
		lb	150/159	150/159	187/196	187/196
Shipping per STD(20/40)40HQ	Piece	180	180	135	135	
Connection Information	Liquid Valve Size	inch	3/8	3/8	3/8	3/8
	Vapor Valve Size	inch	0.75	0.75	0.875	0.875
	Liquid Line Size	inch	0.375	0.375	0.375	0.375
	Vapor Line Size	inch	0.75	0.75	0.875	0.875
	Max. Line Length	ft	100	100	100	100
	Min. Vertical Separation (Outdoor Unit above Indoor coil)	ft	50	50	50	50
	Max. Vertical Separation (Outdoor Unit Below Indoor coil)	ft	50	50	50	50
Design Information	Design Pressure	psig	550/250	550/250	550/250	550/250
	Cooling temp	°C	4.4~48.8	4.4~48.8	4.4~48.8	4.4~48.8
		°F	40~120	40~120	40~120	40~120
Operation Information	Refrigrant Type	-	R410A	R410A	R410A	R410A
	Refrigrant Factory Charged	g	3320	3320	4720	4720
		lb-oz	7 lb - 9 oz	7 lb - 9 oz	10 lb - 10 oz	10 lb - 10 oz
	Sound Pressure Level (Rated)	dB(A)	Z	64	67	67

Indoor Unit			CB420A-T024EM3N1C	CB420A-T036EM3N1C	CB420A-T048EM3N1C	CB420A-T060EM3N1C
Electric Parameter	Power supply	V-Ph-Hz	208/230V-1Ph-60hz	208/230V-1Ph-60hz	208/230V-1Ph-60hz	208/230V-1Ph-60hz
	Rated Current	A	0.8	1.45	2.19	2.19
	Rated Input Power	W	250	370	560	560
	Power wiring	-	2*2.1mm <sup>2</sup> (14AWG)	2*2.1mm <sup>2</sup> (14AWG)	2*2.1mm <sup>2</sup> (14AWG)	2*2.1mm <sup>2</sup> (14AWG)
	Signal wiring	-	5*0.8mm <sup>2</sup> (14AWG)	5*0.8mm <sup>2</sup> (14AWG)	5*0.8mm <sup>2</sup> (14AWG)	5*0.8mm <sup>2</sup> (14AWG)
Indoor Motor	Type	-	ECM	ECM	ECM	ECM
	Brand	-	Regal-Beloit	Regal-Beloit	Regal-Beloit	Regal-Beloit
	Insulation class	-	E	B	B	B
	Safe class	-	IP10	IP10	IP20	IP20
	Output Horse Power	HP	1/3	1/2	3/4	3/4
	Speed (Rated)	RPM	1050	1050	1050	1050
Indoor Fan	Material	-	Metal	Metal	Metal	Metal
	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Airflow (Rated)	CFM	800	1120	1560	1750
Indoor coil	Number of rows	-	4	4	4	5
	Tube material	-	Copper	Copper	Copper	Copper
	FPI	-	17	17	17	17
	Number of circuits	-	8	8	12	14
	Fin type	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
Dimension & Weight	Unpacking(W×H×D)	mm	500×1180×550	500×1180×550	560×1385×610	560×1385×610
		inch	19-5/8× 46-1/2× 21-5/8	19-5/8× 46-1/2× 21-5/8	22× 54-1/2× 24	22× 54-1/2× 24
	Packing (W×H×D)	mm	567×1197×644	567×1197×644	627×1402×704	627×1402×704
		inch	22-5/16× 47-1/8× 25-3/8	22-5/16× 47-1/8× 25-3/8	24-11/16× 55-3/16× 27-11/16	24-11/16× 55-3/16× 27-11/16
	Net/Gross weight	kg	54/60	57/63	73.5/81.5	77/85
		lb	119/132	125/139	162/180	170/188
Connection Information	Liquid Line Size	inch	3/8	3/8	3/8	3/8
	Vapor Line Size	inch	3/4	3/4	7/8	7/8
Design Information	Design Pressure	psig	550/250	550/250	550/250	550/250
	Operation temp	°C	17~30	17~30	17~30	17~30
		°F	62.6~86	62.6~86	62.6~86	62.6~86
	Controller	-	Wired Control	Wired Control	Wired Control	Wired Control
Operation Information	Throttle Type	-	TXV	TXV	TXV	TXV
	Refrigrant Type	-	R410A	R410A	R410A	R410A
	Operation Static Pressure (Min.~Max)	in.wg	0.18	0.23	0.28	0.28
	Sound Pressure Level	dB(A)	53/47/44	54/49/46	55/52/49	56/54/51
Drainage water pipe diameter	inch	3/4 FPT	3/4 FPT	3/4 FPT	3/4 FPT	