

PAC-MKA33BC AND PAC-MKA53BC BRANCH BOX



Job Name:

System Reference:

Date:



PAC-MKA33BC



PAC-MKA53BC

DESCRIPTIONS

- The PAC-MKA33/53 have a thermal differential from set point of 1F regardless of which multi-zone outdoor unit generation they are connected to.

SPECIFICATIONS

Model Name			PAC-MKA53BC		PAC-MKA33BC		
Connectable number of indoor units			Maximum 5		Maximum 3		
Power supply			Single phase, 208/230 V, 60 Hz				
Input		kW	0.003				
Running current		A	0.15				
External finish			Galvanized steel				
Dimensions	Width	Inch (mm)	17-23/32 (450)				
	Depth	Inch (mm)	11-1/32 (280)				
	Height	Inch (mm)	6-11/16 (170)				
Package Dimensions	Width	Inch (mm)	20.1 (511)				
	Depth	Inch (mm)	24.4 (620)				
	Height	Inch (mm)	8.3 (211)				
Net Weight		lb (kg)	16 (7.4)		15 (6.7)		
Piping Connection (Flare)	Branch (indoor side)*	Liquid	Inch (mm)	ø1/4 (6.35) x 5 {A,B,C,D,E}		ø1/4 (6.35 x 3 {A,B,C})	
		Gas	Inch (mm)	ø3/8 (9.52) x 4 {A,B,C,D}, ø1/2 (12.7) x 1{E}		ø3/8 (9.52) x 3 {A,B,C}	
	Main (outdoor side)	Liquid	Inch (mm)	ø3/8 (9.52)			
		Gas	Inch (mm)	ø5/8 (15.88)			

*The piping connection size differs according to the type of and capacity of indoor units. Match the piping connection size for indoor and branch box. If the piping connection size of the branch does not match the piping connection size of the indoor units, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

ACCESSORIES

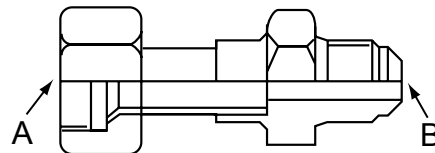
BBE-1	Branch Box Enclosure
MAC-A454JP-E	Port Adapter
MAC-A455JP-E	Port Adapter
MAC-A456JP-E	Port Adapter
PAC-493PI	Port Adapter
PAC-SG76RJ-E	Port Adapter
ADP5834	Port Adapter
MSDD-50AR-D	Flare connection distribution pipe
MSDD-50BR-E	Brazed connection distribution pipe

NOTES:

For the MXZ-SM60NAM2-U1 outdoor unit:

- When connecting the outdoor unit to the branch box directly, the reduction in pipe size must be made at the branch box using the port adaptor: ADP5834 (5/8" F x 3/4" M).
- When connecting the outdoor unit to the distribution pipe (MSDD-50AR-D, for using 2 branch boxes), the reduction in pipe size must be made at the distribution pipe using the port adaptor: ADP5834 (5/8" F x 3/4" M).

OPTIONAL PORT ADAPTORS



Model name	Connected pipes diameter	Diameter A	Diameter B
	Inch, mm	Inch, mm	Inch, mm
MAC-A454JP-E	3/8, ø9.52 → 1/2, ø12.7	3/8, ø9.52	1/2, ø12.7
MAC-A455JP-E	1/2, ø12.7 → 3/8, ø9.52	1/2, ø12.7	3/8, ø9.52
MAC-A456JP-E	1/2, ø12.7 → 5/8, ø15.88	1/2, ø12.7	5/8, ø15.88
PAC-493PI	1/4, ø6.35 → 3/8, ø9.52	1/4, ø6.35	3/8, ø9.52
PAC-SG76RJ-E	3/8, ø9.52 → 5/8, ø15.88	3/8, ø9.52	5/8, ø15.88
ADP5834	5/8, ø15.88 → 3/4, ø19.05	5/8, ø15.88	3/4, ø19.05

DIMENSIONS: PAC-MKA33BC

PAC-MKA33BC (3-BRANCHES TYPE)

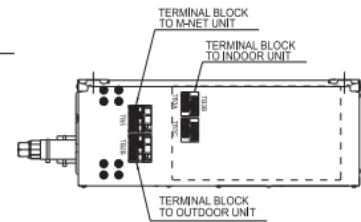
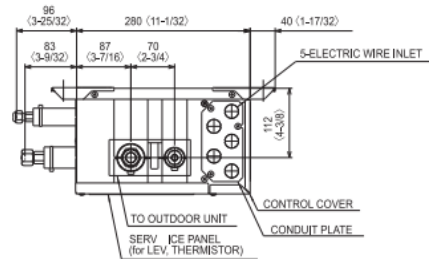
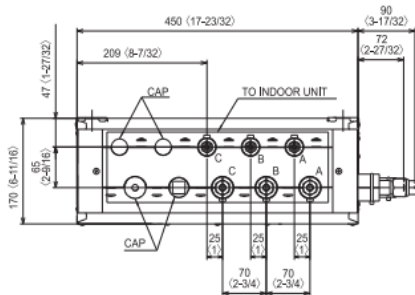
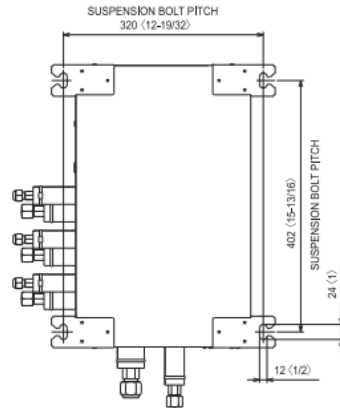
Suspension bolt: W3/8 (M10)
Refrigerant pipe flared connection

inch, mm

	To indoor unit			To outdoor unit
	A	B	C	
Liquid pipe	1/4, ø6.35	1/4, ø6.35	1/4, ø6.35	3/8, ø9.52
Gas pipe	3/8, ø9.52	3/8, ø9.52	3/8, ø9.52	5/8, ø15.88

Conversion formula	
3/8F	ø9.52
5/8F	ø15.88

Unit: mm (inch)



DIMENSIONS: PAC-MKA53BC

PAC-MKA53BC (5-BRANCHES TYPE)

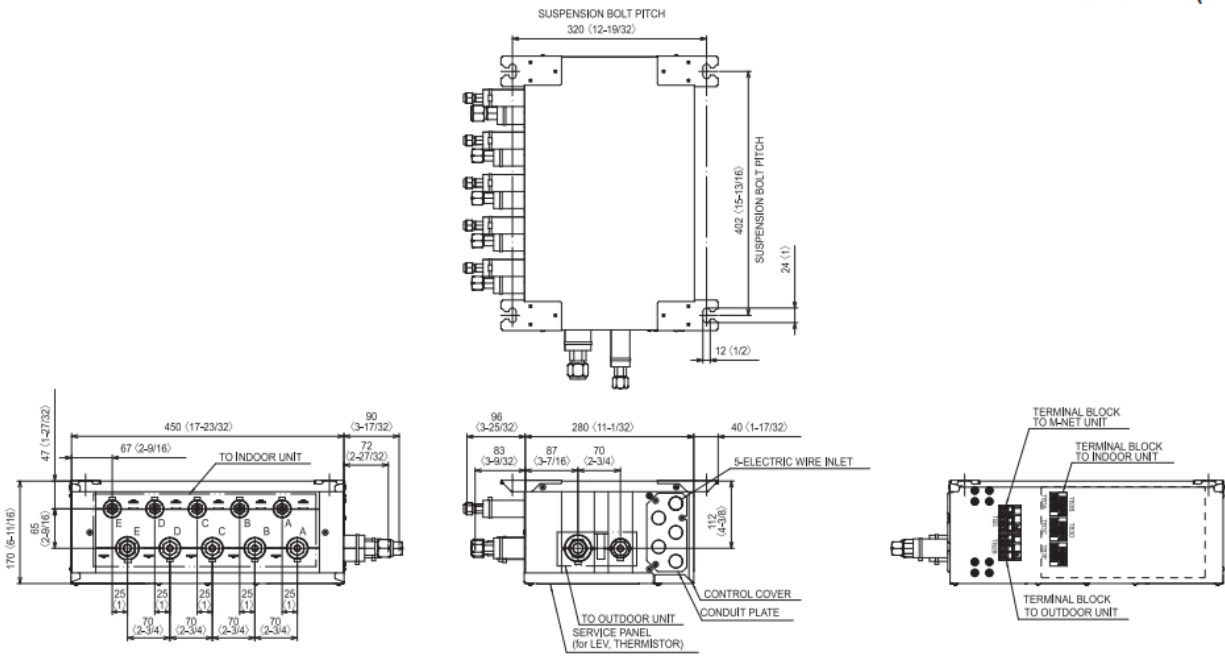
Suspension bolt: W3/8 (M10)
Refrigerant pipe flared connection

inch, mm

	To indoor unit					To outdoor unit
	A	B	C	D	E	
Liquid pipe	1/4, ø6.35	1/4, ø6.35	1/4, ø6.35	1/4, ø6.35	1/4, ø6.35	3/8, ø9.52
Gas pipe	3/8, ø9.52	3/8, ø9.52	3/8, ø9.52	3/8, ø9.52	1/2, ø12.7	5/8, ø15.88

Conversion formula	
1/4F	ø6.35
3/8F	ø9.52
1/2F	ø12.7
5/8F	ø15.88
3/4F	ø19.05

Unit: mm (inch)



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Specifications are subject to change without notice.

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