

SUBMITTAL DATA SHEET

1.0 RT TIWM012B21S

Non-Ducted Wall Mount Indoor Unit

Job Name:			Location:		
Purchaser:			Order No.:		
Engineer:					
Submitted To:	For:	Ref:	Approval:	Construction:	
Submitted By:			Date:		
Unit Designation:			Schedule No.:	Model No.:	

FEATURES:

- Removable front panel for easy cleaning.
- Optional wireless controller and built-in wireless sensor
- Optional condensate pump



ACCESSORY:

Strainer Kit MSF-NP(63)A

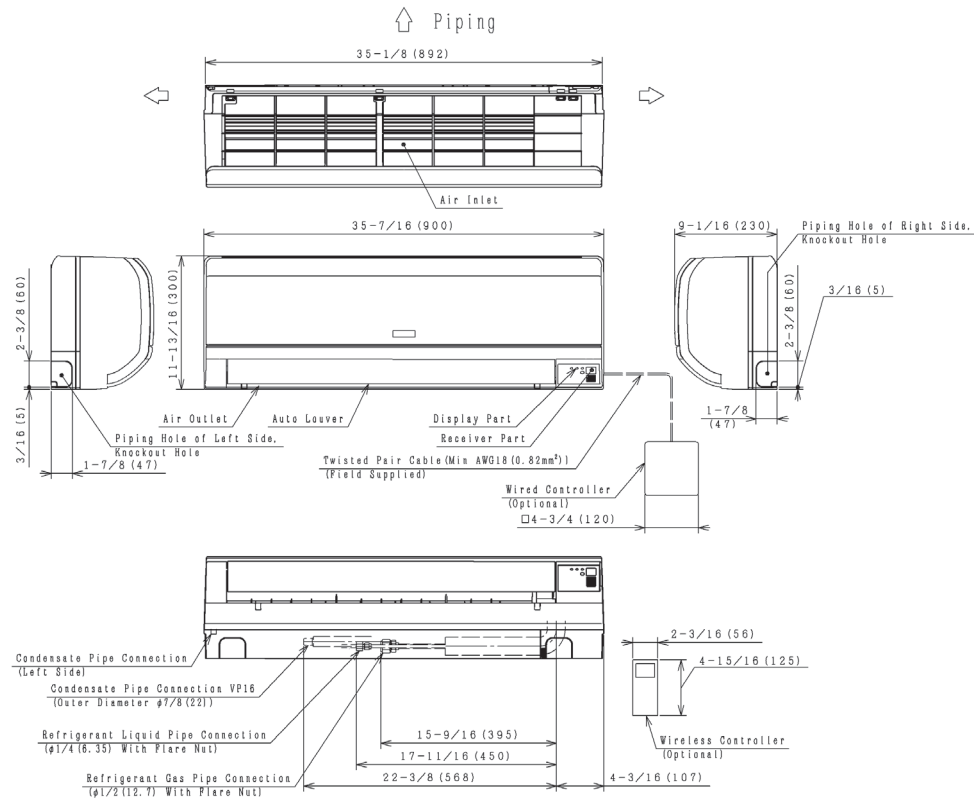
Model Name				TIWM012B21S	
Power Supply				208/230V 1PH 60Hz	
Nominal Capacity	Cooling	Btu/h	(kW)	12000	(3.5)
	Heating	Btu/h	(kW)	13500	(4.0)
Power Consumption	Cooling	W		60	
	Heating	W		60	
Dimension	Height	in	(mm)	11-13/16	(300)
	Width	in	(mm)	35-7/16	(900)
	Depth	in	(mm)	9-1/16	(230)
Net Weight		lb	(kg)	24	(11)
Refrigerant		-		R410A	
Refrigerant Piping	Gas Line	in	(ϕ mm)	1/2	(12.7)
	Liquid Line	in	(ϕ mm)	1/4	(6.35)
Min Circuit Amps		A		0.5	
Maximum Fuse Siza		A		15	
Fan Motor Drive		-		DC \times 1	
Air Flow Rate	Hi2	cfm	(m3/min)	494	(14)
	Hi	cfm	(m3/min)	388	(11)
	Me	cfm	(m3/min)	318	(9)
	Lo	cfm	(m3/min)	265	(7.5)
Air Filter				Polypropylene	
Sound Pressure Level	Hi2	dB(A)		46	
	Hi	dB(A)		40	
	Me	dB(A)		36	
	Lo	dB(A)		33	

System Dimensions

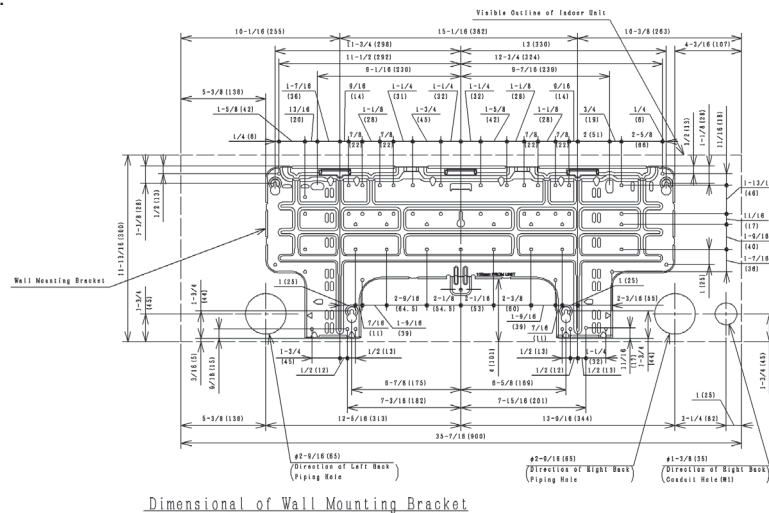
Non-Ducted Wall Mount Indoor Unit

Model: TIWM012B21S

Unit: inch (mm)

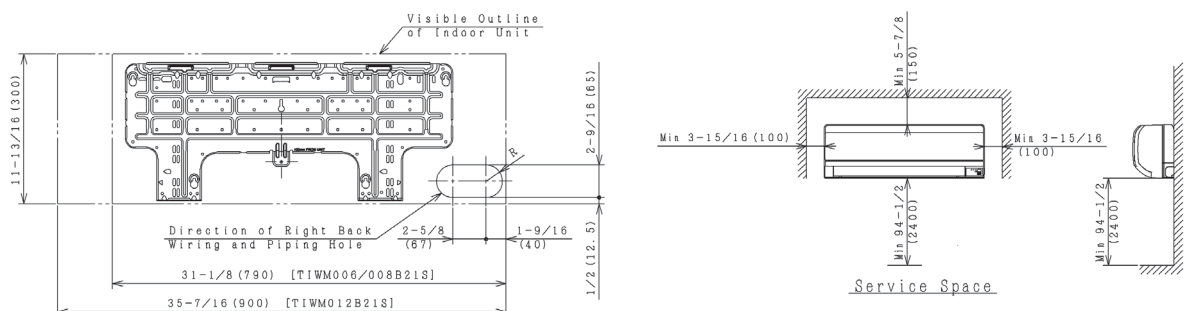


Opening Direction Option 1:



Dimensional of Wall Mounting Bracket

Opening Direction Option 2:



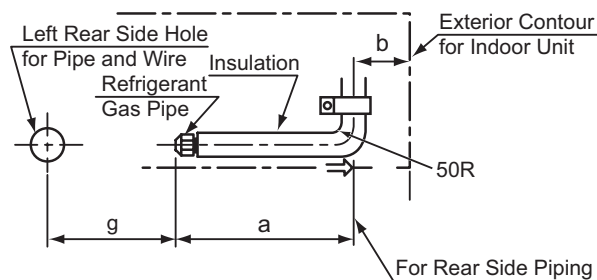
Removal of the condensate pipe is possible from either side of the knockout holes. If using the left side, install a condensate hose to the condensate pipe connection at the left side.

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Piping Connection Dimensions

If the pipe is connected toward the rear side, position the refrigerant piping as follows.

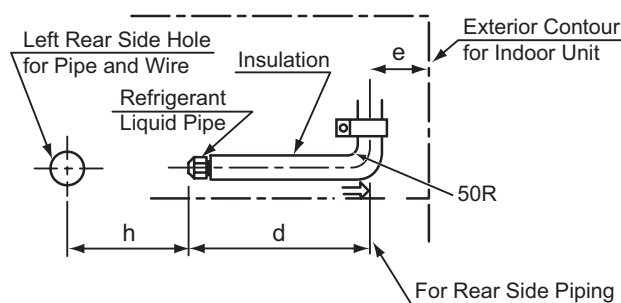
Gas Pipe



Unit: inch (mm)

Model	Gas Piping			
	Diameter	a	b	g
TIWM006B21S	1/2	15-9/16	4-3/16	9-9/16
TIWM008B21S	(12.7)	(395)	(107)	(243)
TIWM012B21S	1/2	15-9/16	4-3/16	10-5/16
	(12.7)	(395)	(107)	(262)
TIWM015B21S	1/2	18-7/8	5-9/16	18-9/16
	(12.7)	(480)	(141)	(471)
TIWM018B21S	5/8	18-7/8	5-9/16	18-9/16
TIWM024B21S	(15.88)	(480)	(141)	(471)
TIWM030B21S				

Liquid Pipe

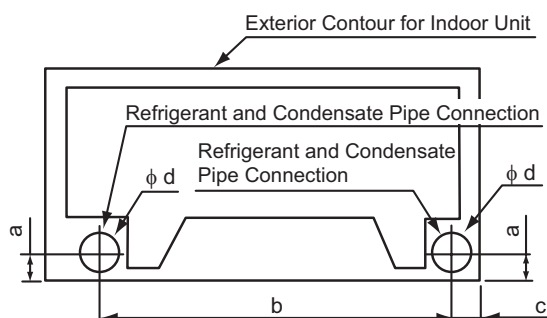


Unit: inch (mm)

Model	Liquid Piping			
	Diameter	d	e	h
TIWM006B21S	1/4	17-11/16	4-3/16	7-3/8
TIWM008B21S	(6.35)	(450)	(107)	(188)
TIWM012B21S	1/4	17-11/16	4-3/16	8-1/8
	(6.35)	(450)	(107)	(207)
TIWM015B21S	1/4	21-1/4	5-9/16	16-7/16
	(6.35)	(540)	(141)	(418)
TIWM018B21S	3/8	21-1/4	5-9/16	16-7/16
TIWM024B21S	(9.52)	(540)	(141)	(418)
TIWM030B21S				

1. Do not twist the pipes when connecting them.
2. Use the proper bending equipment to bend piping as needed.
If fashioning 1/4-inch diameter piping by hand, hold tightly at the bending radius and proceed with the bending operation.
3. In case of piping is connected toward rear side, please refer to installation manual.

For the pipe installation embedded in the wall, the positions for piping are as follows.



Unit: inch (mm)

Model	a	b	c	φd
TIWM006B21S	1-3/4	25-1/8	4-3/16	2-9/16
TIWM008B21S	(45)	(638)	(107)	(65)
TIWM012B21S	1-3/4	25-7/8	4-3/16	2-9/16
	(45)	(657)	(107)	(65)
TIWM015B21S	1-5/8	37-7/16	5-9/16	3-1/8
TIWM018B21S	(42)	(951)	(141)	(80)
TIWM024B21S				
TIWM030B21S				

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