For use with R410A-compatible units

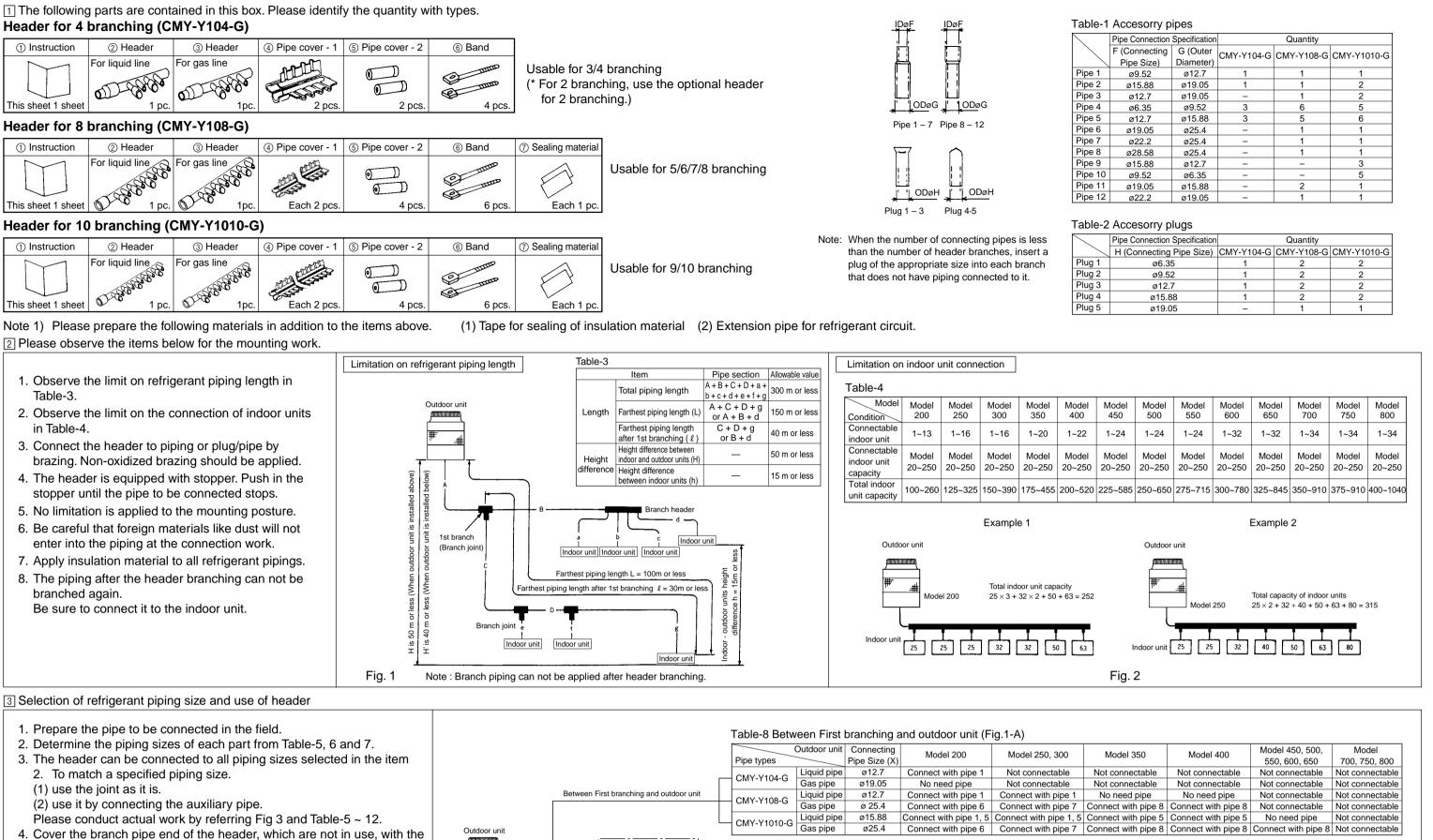
MITSUBISHI ELECTRIC **CITY MULT** OPTIONAL PARTS

Caution

The incorrect selection of the type of branch pipe and the size of connecting pipe does not allow the air conditioner to provide the rated capacity. Please read this instruction manual carefully for correct mounting work.

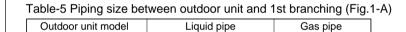
HEADER FOR 4 BRANCHING (CMY-Y104-G) HEADER FOR 8 BRANCHING (CMY-Y108-G) HEADER FOR 10 BRANCHING (CMY-Y1010-G)

INSTALLATION MANUAL



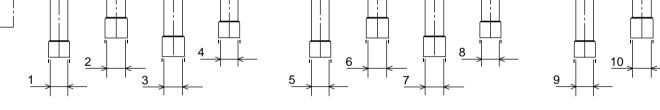
plugs 1 ~ 5 provided.

ø19.05



Model 250	ø9.52 *1	ø22.2
Model 300	ø9.52 *2	ø22.2
Model 350	ø12.7	ø28.58
Model 400	ø12.7	ø28.58
Model 450	ø15.88	ø28.58
Model 500	ø15.88	ø28.58
Model 550	ø15.88	ø28.58
Model 600	ø15.88	ø28.58
Model 650	ø15.88	ø28.58
Model 700	ø19.05	ø34.93
Model 750	ø19.05	ø34.93
Model 800	ø19.05	ø34.93
Model 800 over	ø19.05	ø41.28

Joint പ്ര 2-branch joints are sold separately.



Note: Pipes on 450-type unit and up cannot be branched using a header (4~10-branch header); use an optional 2-branch

Table-11 8-branch header (CMY-Y108-G) (Fig.1-a~d)

*2 ø12.7 for over 40m

Model 20

Table-6 Piping size between branching (Fig.1-B·C·D)

Total capacity of indoor units	Liquid pipe	Gas pipe
~140	ø9.52	ø15.88
141~200	ø9.52	ø19.05
201~300	ø9.52	ø22.2
301~400	ø12.7	ø28.58
401~650	ø15.88	ø28.58
651~800	ø19.05	ø34.93
801~	ø19.05	ø41.28

Note: If Indoor unit capacity is 651 or more, it can't connect to Fig.1-B directly. Then use the 2-branch joints. (Fig.1-C·D)

Table-7 Piping size brai	nching (Fig.1-a~g)
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Indoor unit model	Liquid pipe	Gas pipe
20, 25, 32, 40, 50	ø6.35	ø12.7
63, 71, 80, 100, 125, 140	ø9.52	ø15.88
200	ø9.52	ø19.05
250	ø9.52	ø22.2

Y104, Y108 and Y1010-G. Then use the 2-branch joints

Fig. 3

Header

Between branchings

D	own stream	Connecting	Model	Model	Model	Model	Model	Model	Model
Pipe types	capacity	Pipe Size (X)	140	141~200	201~300	301~400	401~650	651~800	801 or more
	Liquid pipe		Connect with	Connect with	Not	Not	Not	Not	Not
CMY-Y104-G	Gas pipe	ø12.7	pipe 1	pipe 1	connectable	connectable	connectable	connectable	connectable
CIVIT-1104-G	Liquid pipe	a10.05	Connect with		Not	Not	Not	Not	Not
	Gas pipe ø19.05		pipe 2	No need pipe	connectable	connectable	connectable	connectable	connectable
	Liquid pipe	ø12.7	Connect with	Connect with	Connect with	No pood pipo	Not	Not	Not
CMY-Y108-G	Gas pipe	Ø12.7	pipe 1	pipe 1	pipe 1	No need pipe	connectable	connectable	connectable
CIVIT-1100-G	Liquid pipe	ø 25.4	Connect with	Connect with	Connect with	No pood pipo	Not	Not	Not
	Gas pipe	Ø 25.4	pipe 2, 6	pipe 6	pipe 7	No need pipe	connectable	connectable	connectable
	Liquid pipe		Not	Connect with	Connect with	Connect with	No	Not	Not
CMY-Y1010-G Gas pip	Gas pipe	ø15.88	connectable	pipe 1, 5	pipe 1, 5	pipe 5	No need pipe	connectable	connectable
 CIVIT-11010-G	Liquid pipe	pipe of t	Not	Connect with	Connect with	Connect with	Connect with	Not	Not
	Gas pipe	ø25.4	connectable	pipe 6	pipe 7	pipe 8	pipe 8	connectable	connectable

Table-10 4-branch header (CMY-Y104-G) (Fig.1-a~d)

Indoor unit	Connecting	Model 20, 25,	Model 71, 80,	Model	Model			
	Pipe Size	32, 40, 50	100, 125, 400	200	250			
Liquid pipe	~0.50	Connect with	No pood pipo	Not	Not			
	Ø9.5Z	pipe 4	No need pipe	connectable	connectable			
Gas nine	a15 99	Connect with	No pood pipo	Not	Not			
Cas pipe	Ø15.66	pipe 5	No need pipe	connectable	connectable			
	~6 <u>2</u> 5	No need pipe	Not	Not	Not			
	Ø0.35	No need pipe	connectable	connectable	connectable			
Gas pipe	- 10 7	No. no od nino	Not	Not	Not			
Gas pipe	Ø12.7	No need pipe	connectable	connectable	connectable			
	a0 52	Connect with		Not	Not			
	Ø9.5Z	pipe 4		connectable	connectable			
Gas pipe	-15.00	Connect with		Not	Not			
Gas pipe	Ø15.88	pipe 5	No need pipe	connectable	connectable			
		Connect with		Not	Not			
Liquid pipe	Ø9.52	pipe 4	No need pipe	connectable	connectable			
Gas pipe	-15.00	Connect with		Not	Not			
Gas pipe	Ø15.88	pipe 5	No need pipe	connectable	connectable			
	Indoor unit Liquid pipe Gas pipe Liquid pipe Gas pipe Liquid pipe Gas pipe Gas pipe	Pipe SizeLiquid pipeØ9.52Gas pipeØ15.88Liquid pipeØ6.35Gas pipeØ12.7Liquid pipeØ9.52Gas pipeØ15.88Liquid pipeØ9.52	Pipe Size32, 40, 50Liquid pipeØ9.52Connect with pipe 4Gas pipeØ15.88Connect with pipe 5Liquid pipeØ6.35No need pipeGas pipeØ12.7No need pipeLiquid pipeØ9.52Connect with pipe 4Gas pipeØ15.88Connect with pipe 5Liquid pipeØ9.52Connect with pipe 5Liquid pipeØ9.52Connect with pipe 4Gas pipeØ15.88Connect with pipe 5Liquid pipeØ9.52Connect with pipe 4Gas pipeØ15.88Connect with pipe 4	Pipe Size32, 40, 50100, 125, 400Liquid pipeØ9.52Connect with pipe 4No need pipeGas pipeØ15.88Connect with pipe 5No need pipeLiquid pipeØ6.35No need pipeNot connectableGas pipeØ12.7No need pipeNot connectableGas pipeØ15.88Connect with pipe 4No need pipeGas pipeØ15.88Connect with pipe 4No need pipeGas pipeØ15.88Connect with pipe 4No need pipeLiquid pipeØ9.52Connect with pipe 4No need pipeGas pipeØ15.88Connect with pipe 4No need pipe	Pipe Size 32, 40, 50 100, 125, 400 200 Liquid pipe Ø9.52 Connect with pipe 4 No need pipe Not connectable Gas pipe Ø15.88 Connect with pipe 5 No need pipe Not connectable Liquid pipe Ø6.35 No need pipe Not connectable Not connectable Gas pipe Ø12.7 No need pipe Not connectable Not connectable Liquid pipe Ø9.52 Connect with pipe 4 No need pipe Not connectable Gas pipe Ø15.88 Connect with pipe 4 No need pipe Not connectable Gas pipe Ø15.88 Connect with pipe 4 No need pipe Not connectable Liquid pipe Ø9.52 Connect with pipe 4 No need pipe Not connectable Liquid pipe Ø9.52 Connect with pipe 4 No need pipe Not connectable Gas pipe Ø15.88 Connect with pipe 4 No need pipe Not connectable Gas pipe Ø15.88 Connect with pipe 4 No need pipe Not connectable			

	Indoor unit	Connecting	Model 20, 25, 32,	Model 71, 80, 100,	Model	Model
Section		Pipe Size	40, 50	125, 140	200	250
1	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	No need pipe	No need pipe
	Gas pipe	ø19.05	Connect with pipe 3	Connect with pipe 2	No need pipe	Connect with pipe 12
2	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	No need pipe	Not connectable
2	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Connect with pipe 11	Not connectable
3	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	No need pipe	Not connectable
5	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Connect with pipe 11	Not connectable
4	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
4	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
5	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
5	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
6	Liquid pipe	ø6.35	No need pipe	Not connectable	Not connectable	Not connectable
0	Gas pipe	ø12.7	No need pipe	Not connectable	Not connectable	Not connectable
7	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
1	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
8	Liquid pipe	ø6.35	No need pipe	Not connectable	Not connectable	Not connectable
0	Gas pipe	ø12.7	No need pipe	Not connectable	Not connectable	Not connectable

Table-12 10-branch header (CMY-Y1010-G) (Fig.1-a~d)

		-	-			
	Indoor unit	Connecting	Model 20, 25, 32,	Model 71, 80, 100,	Model	Model
Section		Pipe Size	40, 50	125, 140	200	250
1	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	No need pipe	No need pipe
1	Gas pipe	ø19.05	Connect with pipe 3	Connect with pipe 2	No need pipe	Connect with pipe 1
2	Liquid pipe	ø6.35	No need pipe	Connect with pipe 10	Connect with pipe 10	Not connectable
2	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Connect with pipe 11	Not connectable
3	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	No need pipe	Not connectable
3	Gas pipe	ø19.05	Connect with pipe 3	Connect with pipe 2	No need pipe	Not connectable
4	Liquid pipe	ø6.35	No need pipe	Connect with pipe 10	Not connectable	Not connectable
4	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
5	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
5	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
6	Liquid pipe	ø6.35	No need pipe	Connect with pipe 10	Not connectable	Not connectable
0	Gas pipe	ø12.7	No need pipe	Connect with pipe 9	Not connectable	Not connectable
7	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
1	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
8	Liquid pipe	ø6.35	No need pipe	Connect with pipe 10	Not connectable	Not connectable
0	Gas pipe	ø12.7	No need pipe	Connect with pipe 9	Not connectable	Not connectable
9	Liquid pipe	ø9.52	Connect with pipe 4	No need pipe	Not connectable	Not connectable
9	Gas pipe	ø15.88	Connect with pipe 5	No need pipe	Not connectable	Not connectable
10	Liquid pipe	ø6.35	No need pipe	Connect with pipe 10	Not connectable	Not connectable
10	Gas pipe	ø12.7	No need pipe	Connect with pipe 9	Not connectable	Not connectable

4 Mounting of cover (insulation material)

