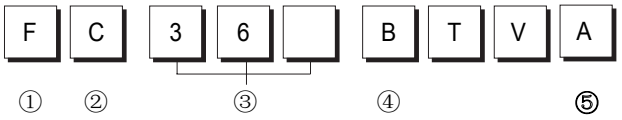
14. Reference Sheet

14-1 Index for Model Name

※Project model code for Middle East product.



① Product Type			
Indoor	Cassette	1-Way	K
		2-Way	G
		4-Way	C
		Ceiling	N
	Duct	Slim Duct	E
		Silhouette	D
		HSP	H
		Built-in	B
	Ceiling	-	F
	PAC	-	P
	Split	-	W
Universal Outdoor (DPM)			U

② Mode	
C/O	C
H/P	H
H/P+Heater	E
C/O+Heater	G
C/O+Hydronic	N

③ Capacity	
Btu	kWx10
9K	26
12K	35
14K	40
18K	52
24K	70
28K	82
32K	94
36K	105
44K	128
48K	140
60K	175
72K	210
80K	230
96K	280

④ Power Supply	
115V,60H	A
220V,60Hz	B
208~230V,60Hz	C
200~220V,50Hz	D
220~240V,50Hz	E
220V,60Hz,3ø	F
380~415V,50Hz,3ø	G
127V,50Hz	M
220~240,50/60Hz,1ø	N
380V,60Hz,3ø	H

⑤ Indoor/Outdoor Unit		
common	Indoor	A
	Outdoor	X
Universal (DPM)	Indoor	M
	Outdoor	N

14-2 Pressure & Capacity mark

■ Power/Heat

W	cal/s	kcal/h	Btu/h	HP	kg · m/s	lb · m/s
1	0.23885	0.85985	3.4121	0.001341	0.10197	0.73756
4.1868	1	3.6	14.286	0.0056146	0.42693	3.088
1.163	0.27778	1	3.9683	0.0015596	0.11859	0.85778
0.29307	0.06999	0.252	1	3.9302×10^{-4}	0.029885	0.21616
745.7	178.11	641.19	2,544.4	1	76.04	550
9.8067	2.3423	8.4322	33.462	0.013151	1	7.233
1.3558	0.32383	1.1658	4.6262	0.0018182	0.13826	1

14-3 The abbreviated technology words & the definition of technology terms

abbreviated technology words	definition of technology terms
COMP (Full name: compressor)	One that compresses, especially a machine used to compress gases.
BLOWER	One that blows, especially a mechanical device, such as a fan, that produces a current of air.
FAN	A device for creating a current of air or a breeze.
ASSY CONTROL BOX (Full name : assemble control box)	A restraining device of air-condition, measure, or limit.
MOTOR	Something, such as a machine or an engine, that produces or imparts motion.
ASSY EVAP / ASSY COND (Full name : assemble evaporator / assemble condenser)	Heat exchanger; A device, used to transfer heat from a fluid on one side of a barrier to a fluid on the other side without bringingthe fluids into direct contact.

14-4 Installation

14-41 Before Installation

Keep the air conditioner outlet and inlet free from its surroundings.
In case of installation, keep the symmetry and fix it to prevent vibration.
The pipe length shall meet the standard as far as possible.

14-4-2 Installation Procedure

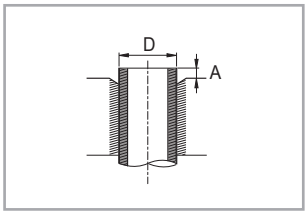
■ Location
Install the product in an area to guarantee the best cooling effect, convenience of piping and electric work, and inexistence of vibration or wind.

■ Fixing Indoor Unit & Outdoor Unit
Fix the air conditioner indoor unit securely to the ceiling. Secure the outdoor unit in a suitable position.

■ Pipe Spooling & Connecting
You shall cut the pipe with a pipe cutter and grind all the burrs of the cut surface.
Pipe expansion may continue until the pipe surface becomes uneven or torn apart.
Be sure to use a torque wrench to tighten pipes or flare nuts.

<Torque & Depth>

Outer Diameter(D)	Torque (kgf·cm)	Depth (A)
12.7mm(1/2")	380~420	2.0mm
19.05mm(3/4")	990~1210	2.2mm



■ Leak Test
Put an inert gas like nitrogen in the outdoor unit pipe and put soap bubbles or other test liquids on the pipe surface for the leak test.

■ Drain Hose Connecting
Install the drain hose downward to drain water naturally.

■ Testing Drainage
Pure water into the drain pan in the indoor unit, and confirm that the water flows out the drain hose.

■ Electric & Earth Work
Electric and earth work shall meet the "Electric Facility Technology Standard" and the "Internal Wire Regulation" of the Electric Business Laws.

■ Inspection & Trial Run
Upon completion of the tests, you shall make a trial run while you explain the main functions of the air conditioner to finish the installation.