

Main-HBC

Vertical type

R32

HYBRID
CITY MULTI

CMB-WM F-AA



Model			CMB-WM350F-AA				CMB-WM500F-AA				
Number of branch			6				6				
Power source			1-phase 220-230-240 V				1-phase 220-230-240 V				
			50 Hz		60 Hz		50 Hz		60 Hz		
Power input (220/230/240)	Cooling	kW	1.50/1.50/1.50		1.50/1.50/1.50		1.50/1.50/1.50		1.50/1.50/1.50		
	Heating	kW	1.50/1.50/1.50		1.50/1.50/1.50		1.50/1.50/1.50		1.50/1.50/1.50		
Current input (220/230/240)	Cooling	A	6.82/6.52/6.25		6.82/6.52/6.25		6.82/6.52/6.25		6.82/6.52/6.25		
	Heating	A	6.82/6.52/6.25		6.82/6.52/6.25		6.82/6.52/6.25		6.82/6.52/6.25		
Sound pressure level (measured in anechoic room)		dB <A>	54				54				
Applicable temperature range of installation site		°C (D.B.)	0~40				0~40				
External finish			Galvanized steel plate				Galvanized steel plate				
Connectable outdoor unit			PURY-M200~350YNW-A1(-BS)/ PURY-EM200~350YNW-A1(-BS)				PURY-M400~500YNW-A1(-BS)/ PURY-EM400~500YNW-A1(-BS)				
Indoor unit capacity connectable to 1 branch			Model W/WP/WL80 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds W/WP/WL80.)				Model W/WP/WL80 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds W/WP/WL80.)				
External dimension HxWxD		mm	1,500 x 800 x 500				1,500 x 800 x 500				
		in.	59-1/16 x 31-1/2 x 19-11/16				59-1/16 x 31-1/2 x 19-11/16				
Refrigerant piping diameter	To outdoor unit		Connectable outdoor unit capacity				Connectable outdoor unit capacity				
			M200	M250/M300	M350	M400/M450/M500	M200	M250/M300	M350	M400/M450/M500	
	High press. Pipe	mm (in.) O.D.	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	19.05 (3/4) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	19.05 (3/4) Braze	
	Low press. Pipe	mm (in.) O.D.	19.05 (3/4) Braze	22.2 (7/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	19.05 (3/4) Braze	22.2 (7/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	
Water piping diameter											
Connection size	To Sub HBC	Inlet / Outlet	mm O.D.	42				42			
	To Indoor unit	Inlet / Outlet	mm O.D.	22				22			
Field pipe size	Inlet / Outlet	mm I.D. (Min)	Total down-stream Indoor unit capacity	Piping length from Main-HBC to farthest Indoor unit			Total down-stream Indoor unit capacity	Piping length from Main-HBC to farthest Indoor unit			
				Max 20m	Max 40m	Max 60m		Max 20m	Max 40m	Max 60m	
			W/WP/WL10	12	12	12	W/WP/WL10	12	12	12	
			W/WP/WL11 - 15	12	12	15.5	W/WP/WL11 - 15	12	12	15.5	
			W/WP/WL16 - 25	15.5	15.5	15.5	W/WP/WL16 - 25	15.5	15.5	15.5	
			W/WP/WL26 - 32	15.5	19.9	19.9	W/WP/WL26 - 32	15.5	19.9	19.9	
			W/WP/WL33 - 50	19.9	19.9	19.9	W/WP/WL33 - 50	19.9	19.9	19.9	
			W/WP/WL51 - 63	19.9	25.2	25.2	W/WP/WL51 - 63	19.9	25.2	25.2	
			W/WP/WL64 - 80	25.2	25.2	25.2	W/WP/WL64 - 80	25.2	25.2	25.2	
			W/WP/WL81 - 100	25.2	25.2	32.6	W/WP/WL81 - 100	25.2	25.2	32.6	
			W/WP/WL101 - 150	32.6	32.6	32.6	W/WP/WL101 - 150	32.6	32.6	32.6	
			W/WP/WL151 - 250	32.6	32.6	39.6	W/WP/WL151 - 250	32.6	32.6	39.6	
			W/WP/WL251 - 300	32.6	39.6	50.8	W/WP/WL251 - 300	32.6	39.6	50.8	
W/WP/WL301 - 750	50.8	50.8	50.8	W/WP/WL301 - 750	50.8	50.8	50.8				
Field drain pipe size	mm (in.)	O.D. 26.7 (1-1/16)				O.D. 26.7 (1-1/16)					
Net weight	kg (lbs)	196 (433) [216 (477) with water]				209 (461) [233 (514) with water]					
Standard attachment	Accessories	-				-					
Optional parts		-				-					

Notes:

- *1 Installation/foundation work, electrical connection work, duct work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
- *2 This unit is for R32 refrigerant.
- *3 Install this unit in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
(For use in quiet environments with low background noise, position the HBC at least 5 m away from any indoor units.)
- *4 Please install the HBC in a place where noise will not be an issue.
- *5 Please attach an expansion vessel (field supply).
- *6 Please use copper or plastic pipes for the water circuit. Do not use steel or stainless steel pipework.
Furthermore, when using copper pipe-work use a non-oxidative brazing method.
Oxidation of the pipe-work will reduce the pump life.
- *7 When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
- *8 Please install an air purge valve where air will gather in the water circuit.
- *9 Please install a pressure reducing valve and a strainer on the water supply to the HBC.
- *10 Please refer to the DATA BOOK or the Installation Manual for the specified water quality.
- *11 This unit is not designed for outside installations.
- *12 Please always make water circulate or pull out the circulation water completely when not using it.
*Please do not use it as a drinking water.
- *13 Please do not use ground water and well water.
- *14 When installing the HBC in an environment which may drop below 0 °C, please add antifreeze liquid to the circulating water. (Refer to the DATA BOOK and the Installation Manual).
- *15 R32 is flammable, and certain restrictions apply to the installation of units.
When installing new units, moving the existing units, or changing the layout of the room, ensure that installation restrictions are observed.
For detail, refer to the section in the DATA BOOK on installation restrictions.