

Job Name:	Location:		
Schedule Reference:	Submitted By:		
Submitted To:	Reference:	Approval:	Construction:
Engineer:	Date:	Application:	

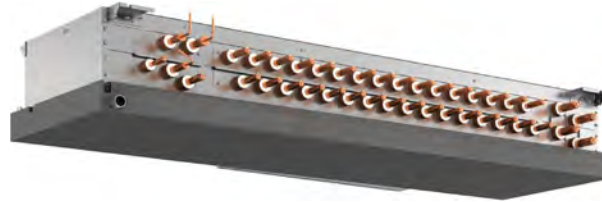


Image provided for reference purposes only (16 Port shown above)

Specification:										
Number of branch				8						
Power source				1-phase 208/230 V 60 Hz						
MCA / MOP				A		3.78 / 15				
Power input	(208-230)	Cooling	kW	0.41-0.49						
		Heating	kW	0.41-0.49						
Current input	(208-230)	Cooling	A	2.79-3.02						
		Heating	A	2.79-3.02						
Sound pressure level (measured in anechoic room) ^{*16}				dB <A>		43				
External finish				Galvanized steel plate - (Drain pan: Pre-coated galvanized sheets + powder coating)						
Connectable outdoor/heat source unit model				PURY- (E)P72~168V/TNU-A (-BS), PURY-P72~144ZKMU-A (-BS) PQRY-P72~168Y/T/ZLMU-A1						
Indoor unit capacity connectable to 1 branch				Model WL30 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds WL30.)						
External dimension H x W x D				mm (in)		300 x 1,520 x 630 (11-13/16 x 59-7/8 x 24-13/16)				
Refrigerant piping diameter ^{*17}	To outdoor/heat source unit			Connectable outdoor/heat source unit capacity						
	High press. Pipe	(Braze)	in. (mm) O.D.	(E)P72	(E)P96	(E)P120	(E)P144~ (E)P168			
	Low press. Pipe	(Braze)	in. (mm) O.D.	5/8 (15.88)	3/4 (19.05)	3/4 (19.05)	7/8 (22.2)			
	To Main-HBC controller	(Braze)	in. (mm) O.D.	3/4 (19.05)	7/8 (22.2)	1-1/8 (28.58)	1-1/8 (28.58)			
Water piping diameter	Connection size			22						
	To Sub-HBC controller			Inlet/Outlet		mm O.D.				
	To Indoor unit			Inlet/Outlet		mm O.D.				
	Field pipe size	To Sub-HBC controller			Total down-stream indoor unit capacity					
		To Indoor unit			Total down-stream indoor unit capacity					
			Inlet/Outlet		mm I.D. (in I.D.)					
			Inlet/Outlet		mm I.D. (in I.D.)					
Field drain pipe size				in.		3/4 NPT				
Net weight				lbs (kg)		188 (85) [210 (95) with water]				

- Notes:**
1. Installation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
 2. This unit is for R410A refrigerant.
 3. Install HBC 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 controller at least 5 m away from any indoor units.)
 4. Please install the HBC controller in a place where noise will not be an issue.
 5. Please install an expansion tank (field supply).
 6. Please use copper or plastic pipes for the water circuit. Please follow manufacturer recommendation for piping. Do not use steel or stainless steel pipework. Plus, when using copper pipe-work use a non-oxidative brazing method. Oxidation of the
 7. Please install an air purge valve where air will gather in the water circuit.
 8. Please install a pressure reducing valve and a strainer on the water supply to the HBC controller.
 9. Please refer to the manuals for required water quality.
 10. This unit is not designed for outdoor installations.
 11. 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.
 12. The unit cannot be used when the outdoor temperature is outside the guaranteed operation range. If the unit is used in such condition, the unit may not go into the Thermo-ON mode. Guaranteed operation range: 23 to 126°F in cooling mode, -13 to 60°F in heating mode (Continuous operation is not guaranteed in -13 to -4°F.)
 13. Application should be restricted to comfort heating and cooling only; process/equipment heating and cooling applications are not recommended.
 14. The ambient relative humidity of the HBC controller needs to be kept below 80%.
 15. Sound pressure level differs depending on the connected outdoor/heat source unit capacity or operation condition.
 16. The sound pressure level values were obtained in an anechoic room. Actual sound pressure level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
 17. For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.
 18. All electrical work shall comply with National (CEC) and local codes and regulations.
 19. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). **Always consult relevant technical product documentation at mitsubishitechno.ca, your local distributor or MESCA BC sales office as applicable.** Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project; and (B) implementation of any countermeasures needed to address those parameters and requirements, including the provision of antifreeze solution in water based systems used in conjunction with ducted indoor units.
 20. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

BC Controller Outline and Dimensions:

Unit: mm (in.)

- <Accessory>.....1pc.
<Wrench>.....1pc.
- Note1. Suspension bolt(ø10), washer(M10), and nut(M10) prepare in the field.
2. Take notice of service space as follows.
(Please give attention not to occupy service space by letting ducts and pipes through.)
3. Refer to the DATA BOOK about connection pipe and drain pipe diameter size.
4. Refer to the Installation Manual for insulation of connection pipe and drain piping.
5. Refer to the Installation Manual for installation of drain pan.
6. Do not place the HBC controller directly on the floor because the drain pan needs to be installed in a tilted position.

