

CBR1-S, M, L, XL & XXL

Condensing Unit Support Brackets “Type-1” Installation instructions



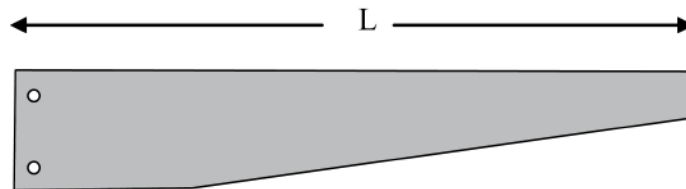
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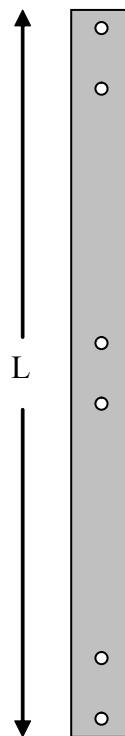


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BRACKET STRUCTURE COMPONENTS



A - Support Arm



B - Upright

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COMPONENTS

Pump House Condensing Unit Support Brackets are designed to support all leading brands of air conditioning condensing units, and have been independently tested and certified to the above safe working loads, subject to the correct assembly and use of the product. Pump House accepts no liability for failure of this product where it has been assembled incorrectly or has been used for a function outside its intended application.

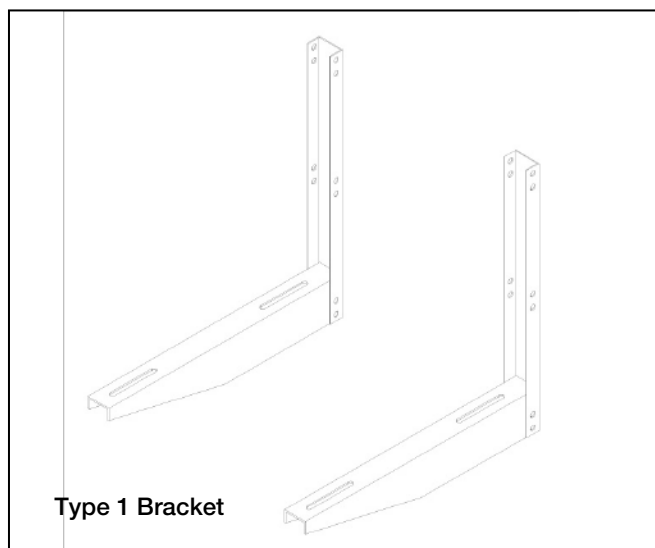
LIST OF COMPONENTS – CBR1-S, CBR1-M & CBR1-L					
Item	Qty.	Description	Length, L (mm)		
			CBR1-S	CBR1-M	CBR1-L
A	2	Support Arm	480	530	580
B	2	Upright	450	500	550
E	6	M8 Wall-Fixing Bolts	J	8	25mm Washer
F	4	M8 x 60mm Bolt	K	8	M8 Nut
G	4	M8 x 30mm Bolt	L	4	35mm Bolt Sleeve
I	8	20mm Washer	M	4	Anti-Vibration Washer

LIST OF COMPONENTS – CBR1-XL, CBR1-XXL					
Item	Qty.	Description			
A	2	Support Arm – 660mm (XL) 1000mm (XXL)			
B	2	Upright – 550mm			
E	6	M10 Wall-Fixing Bolts	K	4	M8 Nut
F	6	M10 x 60mm Bolt	L	6	35mm Bolt Sleeve
G	4	M8 x 30mm Bolt	M	4	Anti-Vibration Washer
I	12	20mm Washer	O	6	M10 Nut
J	8	25mm Washer			

INSTALLATION INSTRUCTIONS

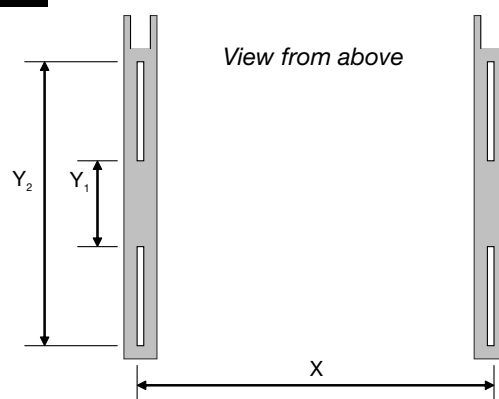
1. Fit the support arms (A) to the uprights (B) at any of the three positions (top, middle or bottom of the upright) using 4 x M8 x 60mm bolts (F), 8 x 20mm washers (I), 4 x M8 nuts (K) and 4 x bolt sleeves (L).
[In the case of CBR1-XL & CBR1-XXL, use 6 x M10 x 60mm bolts (F), 12 x 20mm washers (I), 6 x M10 nuts (O) and 4 x bolt sleeves (L) - only one fixing point is offered.] The bolt sleeves are designed to prevent over-tightening of the bolts crushing the walls of the uprights and support arms.
2. Mark and drill the wall with suitably sized holes (per upright) at locations corresponding to the fixing holes provided in the bracket uprights (B). The horizontal distance between the fixing holes should be the same as the distance between the feet of the condensing unit.
3. Fix the uprights to the wall using 6 x wall-fixing bolts (E).
4. Fix the feet of the condensing unit to the support arms (B) using 4 x M8 x 30mm bolts (G), 8 x 25mm washers (J), 4 x M8 nuts (K) and 4 anti-vibration washers (M).
5. **Sea salts are very corrosive and affect both ferrous and non-ferrous metals. Coastal installations are particularly at risk as they are frequently exposed to sea salt solutions followed by dry periods, where this wet/dry cycle produces a very corrosive environment. We strongly recommend that in such locations only our stainless steel brackets are installed.**

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Model	Maximum Safe Working Load
CBR1-S	60kg
CBR1-M	90kg
CBR1-L	140kg
CBR1-XL	250kg
CBR1-XXL	250kg

SPAN OF SUPPORT ARMS



Dimensions for span of condensing unit feet

Model	Width of Unit		Depth of Unit	
	Minimum (X)	Maximum (X)	Minimum (Y ₁)	Maximum (Y ₂)
CBR1-S	None	None	120mm	420mm
CBR1-M	None	None	170mm	470mm
CBR1-L	None	None	220mm	520mm
CBR1-XL	None	None	200mm	550mm
CBR1-XXL	None	None	50mm	750mm

GUIDANCE ON INSTALLATION

1. This product should be fitted by a competent installer of refrigeration, air conditioning equipment and air source heat pump.
2. Pump House Condensing Unit Support Brackets are designed for use with all makes of condensing unit. Ensure that the bracket you have ordered is suitable for your condensing unit by referring to the safe working load and unit dimension tables.
3. The purpose of this product is to support refrigeration, air conditioning equipment and air source heat pumps onto external walls.

For further installation advice please call the technical support helpline on 0115 900 5858.