

data sheet

Cold Beam Freeze roof

specifications for the Cold Beam Freeze roof

English



type	number	module									Rev 1.0
CBCr	2 / 3 / 4	1000	1500	2000	2500	3000	3500	4000			25-04-2019

dimensions

length	2 / 3 / 4 pack	1260	1760	2260	2760.0	3260	3760	4260	[mm]
suspension E	2 / 3 / 4 pack	2 x 500	2 x 650	2 x 930	3 x 750	3 x 930	4 x 830	4 x 930	[ul x mm]
width	single beam	50							[mm]
	2 pack	190							[mm]
	3 pack	290							[mm]
	4 pack	390							[mm]

general tolerances from 400 up to 1000 ±8 mm

over 1000 up to 2000 ±12 mm

over 2000 up to 4000 ±16 mm

weight

weight	single beam	7.6	11.5	15.3	19.1	22.9	26.7	30.6	[kg]
	2 pack	18.5	26.0	33.6	43.8	51.7	51.0	65.7	[kg]
	3 pack	27.3	38.5	49.9	65.1	76.9	88.3	97.7	[kg]
	4 pack	36.3	51.3	66.6	86.8	102.5	117.6	130.3	[kg]

Mount each cold beam package with sufficient M10 bolts in a reinforced insulated ceiling, avoid cold bridges. See for installation the BoTemp instruction manual.

All sizes and weights are subject to changes, BoTemp has the right to change this without prior informing the client.

holdover capacity

capacity	single beam	373	560	746	933	1119	1306	1492	[Wh]
	2 pack	746	1119	1492	1865	2238	2611	2984	[Wh]
	3 pack	1119	1679	2238	2798	3357	3917	4476	[Wh]
	4 pack	1492	2238	2984	3730	4476	5222	5968	[Wh]
radiation surface	single beam	0.33	0.50	0.67	0.83	1.00	1.17	1.33	[m²]
	2 pack	0.67	1.00	1.33	1.67	2.00	2.33	2.66	[m²]
	3 pack	1.00	1.50	2.00	2.50	3.00	3.50	4.00	[m²]
	4 pack	1.33	2.00	2.66	3.33	4.00	4.66	5.33	[m²]

refrigeration circuit

length	single beam	2.1	3.1	4.1	5.1	6.1	7.1	8.1	[m]
	2 pack	4.4	6.4	8.4	10.4	12.4	14.4	16.4	
	3 pack	6.8	9.8	12.8	15.8	18.8	21.8	24.8	
	4 pack	9.1	13.1	17.1	21.1	25.1	29.1	33.1	
volume	single beam	0.3	0.4	0.5	0.7	0.8	0.9	1.1	[dm³]
	2 pack	0.6	0.8	1.1	1.4	1.6	1.9	2.2	
	3 pack	0.9	1.3	1.7	2.1	2.5	2.9	3.3	
	4 pack	1.2	1.7	2.3	2.8	3.3	3.9	4.4	

hairpin

tube size ODxID 16x13 mm

stainless steel 1.4404 / AISI 316L

design pressure 30 bar