CABERO Heat Exchanger Yantai Co.,Ltd.
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Reference		Date 2021.05
Room Size		
Model	**BCH4D2/50J.N9**	Version: 1

Capacity		14548	W
Sensible Capacity		10422	W
Latent Capacity		4126	W
Sensible/Total Capacity Ratio		0.72	
Quantity of Produced Water		6	kg/h
Exchange Surface		127.4	m²
Global Exchange Coefficient		18.6	W /(m² k)
Fins / Tubes Meterial		Al / Copper	
Fin Thickness		0.2	mm
Fin Pitch		4	mm
DTML		6.2	°C
Coil Internal Volume		28	L
L x W x H		2620*780*780	mm
Net Weight			kg
Air side			
Altitude		0	m
Volumetric Air Flow		15400	m³/h
Mass Air Flow		19710	kg/h
Face Velocity on the Coil		2.83	m/s
Inlet Air Density		1.28	kg/m³
Inlet Air Temperature		2	°C
Inlet Air Relative Humidity		90	%
Outlet Air Temperature		0.1	°C
Outlet Air Relative Humidity		95	%
Pressure Drop		83	Pa
Fan No. * Size		2*500	mm
Motor Capacity		2*0.74=1.48	kW, 400V-3Ph-50Hz
Run speed		1290	RPM
Noise power lever		77	dB(A)
Defrost			
REFRIGERANT SIDE			
Fluid		Ethylene glycol 35%	
Volumetric Fluid flow		2.4	m³/h
Mass Fluid Flow		2532	kg/h
Fluid Velocity		0.67	m/s
Fluid inlet Temperature	φ 28.0	-8	°C
Fluid outlet Temperature	φ 28.0	-2.2	°C
Fluid Pressure Drop		42	kPa

Accessories