CABERO Heat Exchanger Yantai Co.,Ltd.
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Reference		Date 2021.05
Room Size		
Model	**BCH4G4/50J.N24**	Version: 1

Capacity		38850	W
Sensible Capacity		27050	W
Latent Capacity		11800	W
Sensible/Total Capacity Ratio		0.70	
Quantity of Produced Water		17	kg/h
Exchange Surface		407.6	m²
Global Exchange Coefficient		16.6	W /(m² k)
Fins / Tubes Meterial		Al / Copper	
Fin Thickness		0.2	mm
Fin Pitch		4	mm
DTML		5.8	°C
Coil Internal Volume		88	L
L x W x H		4050*850*920	mm
Net Weight			kg
Air side			
Altitude		0	m
Volumetric Air Flow		28400	m³/h
Mass Air Flow		36349	kg/h
Face Velocity on the Coil		2.61	m/s
Inlet Air Density		1.28	kg/m³
Inlet Air Temperature		2	°C
Inlet Air Relative Humidity		90	%
Outlet Air Temperature		-0.6	°C
Outlet Air Relative Humidity		96	%
Pressure Drop		118	Pa
Fan No. * Size		4*500	mm
Motor Capacity		4*0.74=2.96	kW, 400V-3Ph-50Hz
Run speed		1290	RPM
Noise power lever		80	dB(A)
Defrost			
REFRIGERANT SIDE			
Fluid		Ethylene glycol 35%	
Volumetric Fluid flow		6.4	m³/h
Mass Fluid Flow		6752	kg/h
Fluid Velocity		0.67	m/s
Fluid inlet Temperature	φ 54.0	-8	°C
Fluid outlet Temperature	φ 54.0	-2.1	°C
Fluid Pressure Drop		46	kPa

Accessories