



CABERO Heat Exchanger Yantai Co.,Ltd.
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Reference ..		Date 2018.09
Room Size		
Model	CH4F36E6/35.N9-W	Version: 1

Capacity	12486 W
Sensible Capacity	12182 W
Latent Capacity	304 W
Sensible/Total Capacity Ratio	0.98
Quantity of Produced Water	0.4 kg/h
Exchange Surface	152.9 m ²
Global Exchange Coefficient Fins /	33.0 W/(m ² k)
Tubes Material	Al/ Copper
Fin Thickness	0.2 mm
Fin Pitch	4 mm
DTML	2.5 °C
Coil Internal Volume	33 L
L x W x H	4000*560*600 mm
Net Weight	kg

Air side	
Altitude	0 m
Volumetric Air Flow	13200 m ³ /h
Mass Air Flow	16963 kg/h
Face Velocity on the Coil	2.43 m/s
Inlet Air Density	1.29 kg/m ³
Inlet Air Temperature	1 °C
Inlet Air Relative Humidity	80 %
Outlet Air Temperature	-1.6 °C
Outlet Air Relative Humidity	97 %
Pressure Drop	63 Pa
Fan No. * Size	6*350 mm
Motor Capacity	6*0.14=0.84 kW, 230V-1Ph-50Hz
Run speed	1410 RPM
Noise pressure lever in 3 meter	66 dB(A)
Defrost	

REFRIGERANT SIDE	
Fluid	R507A
Mass Fluid Flow	455 kg/h
Fluid Velocity	4.7 m/s
Evaporating Temperature	-3 °C
Condensing Temperature	45 °C
Subcooling Temperature	2 °C
Overheating Temperature	3.5 °C
Fluid Pressure Drop	11.1+200 kPa

Accessories	
	1 Water defrost