CABERO
HEAT EXCHANGER

Dry Cooler	**GCHD099F2x2-2.2-38-N D H (eb) Axi**		Number of passes	**8/6s**	
Required Capacity	**130,0**	kW	**Fluid**	**ETHYLENE GLYCOL 30%**	
Effective Capacity	**131,2**	kW	Fluid Inlet Temperature	**38,0**	°C
Safety margin	**0,9**	%	Fluid Outlet Temp. Required	**30,0**	°C
Air Flow	**91060,0**	m³/h	Fluid Outlet Temp. Effective	**29,9**	°C
Air velocity	**5,50**	m/s	Pressure drops	**26**	kPa
Air pressure/Altitude	**1013/0**	mbar/m	Fluid Flow	**15,19**	m³/h
Air Inlet/Outlet Temp.	**25,0/29,3**	°C	Heat transf. coeff.	**43,4**	W/(m² K)
Add. external air pressure	**0**	Pa			

Fan piece(s)	**4 (400V/3/50Hz) (eb) Axi (3)**		Fan temp. operation range	**-40/65**	°C
Fan Speed	**1000**	RPM	Noise Pressure Level (2)	**60**	dB(A)
Capacity per motor / total	**2,88/11,52**	kW	At the distance of	**10**	m
Current per motor / total (3)	**4,5/18**	A	Noise Power Level	**91,8**	dB(A)
Cap. on duty point motor/total	**2,81/11,24**	kW	Energy efficiency class	**E**	

Construction

Casing	**FeZn powder painted**		Fins	**Prepainted fins**	
Varnashing	**Powder coated RAL 9010**		Fin pitch	**2,5**	mm
Dry weight (4)	**976**	kg	Surface	**505,8**	m²
Max. operating pressure	**12**	bar	Tubes	**Copper**	
Length (L)	**2500**	mm	Tube volume	**96,0**	dm³
Width (D)	**1180**	mm	Headers	**1 x 64x2,0 / 1 x 64x2,0**	
Height (H)	**2260**	mm	Manifold position	**Same side**	
No. suspensions			Header material	**Copper**	

Our general terms of sales and delivery apply

Capacity- and temperatures are in accordance with EN327, EN328 and EN1048, tolerance Temperatures 0.2K
(1) Fluid group 2 according to directive 67/548/EWG
(2) by using the enveloping surface method acc. to EN 13487 - note: tolerance of sound emission of the fans +2dB
(3) The current consumption can differ in depandance of the air temperature and of the varations of system voltage according to the VDE guidance
For the details of the fan duty points (full- and part-load) we are refering to the norm of the fan manufacturer, according to DIN 24166 Class 3.
The data are for the operating point. Only the stamp data of the fans are relevant for the fuses of the plant. This will be communicated in the circuit diagram. Only from us confirmed circuit diagrams are binding.
(4) Dimension and weight are not valid for all possible options! By order please refer on comfirmed drawing