CABERO
HEAT EXCHANGER

Customer		Attention	
Country			
Project		Quotation nr	
Enquiry dated		Reference	
Date		Your contact person	
Version Sw		Your contact phone	

Dry Cooler	**GCHSD099MB/2x5S-40 D V (ZA) EC**		Number of passes	**2**	
Required Capacity	**400,0**	kW	**Fluid**	**ETHYLENE GLYCOL 30%**	
Effective Capacity	**409,1**	kW	Fluid Inlet Temperature	**40,0**	℃
Surface Reserve	**2,3**	%	Fluid Outlet Temp. Required	**35,0**	℃
Air Flow	**230480**	m³/h	Fluid Outlet Temp. Effective	**34,9**	℃
Air velocity	**3,42**	m/s	Pressure drops	**30**	kPa
Air pressure/Altitude	**1013/0**	mbar/m	Volume flow	**74,7**	m³/h
Air Inlet/Outlet Temp.	**30,0/35,4**	℃	Heat transf. coeff.	**39,3**	W/(m² K)
Add. external air pressure	**0**	Pa			

Fan (nominal data) piece(s)	**10 (400V/3/50Hz) (ZA) EC - nom operation**		Fan temp. operation range	**-25/60**	℃
Fan Speed	**930**	RPM	Noise Pressure Level (2)	**60**	dB(A)
Capacity per motor / total	**1,95/19,5**	kW	At the distance of	**10**	m
Current per motor / total (3)	**3,1/31**	A	Noise Power Level	**93,0**	dB(A)
Cap. on duty point motor/total	**1,64/16,43**	kW	Energy efficiency class	**E**	

Construction

Casing	**FeZn powder painted**		Fins	**Aluminium**	
Varnashing	**Powder coated RAL 7035**		Fin pitch	**2,1**	mm
Dry weight (4)	**2474**	kg	Surface	**2448,8**	m²
Max. operating pressure	**12**	bar	Tubes	**Copper**	
Length (L)	**8800**	mm	Tube volume	**394,0**	dm³
Width (D)	**2320**	mm	Headers	**2 x 108 / 2 x 108**	
Height (H)	**1610**	mm	Manifold position	**Same side**	
No. suspensions			Header material	**Copper**	

Our general terms of sales and delivery apply

(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.

(4) Dimension and weight are not valid for all possible options! By order please refer on comfirmed drawing