

Customer
Country
Project
Enquiry dated
Date
Version Sw **200707 [2CBECB048]**

Attention

Quotation nr
Reference
Your contact person
Your contact phone

Dry Cooler	GCDD099KB-2x6-72-L Y (eb)		Number of passes	4
Required Capacity	500,0	kW	Fluid	ETHYLENE GLYCOL 35%
			Fluid Inlet Temperature	36,0 °C
Air Flow	258200,0	m³/h	Fluid Outlet Temp. Required	31,2 °C
Air velocity	2,16	m/s		
Air pressure/Altitude	1013/0	mbar/m	Pressure drops	152 kPa
Switching point	25,5	°C	Fluid Flow	114,51 m³/h
Maximum air inlet db / rh	32,3/40	°C/%	Heat transf. coeff.	34,4 W/(m² K)
Maximum air inlet wb	22,0	°C	Total spray amount	1512,0 kg/h
Adiabatic system type	Adiabatic system		Evaporation amount	843,1 kg/h
Add. external air pressure	0	Pa	Fallout amount	668,9 kg/h

Fan piece(s)	12 (400V/3/50Hz) (eb) (3)	Fan temp. operation range	-40/60 °C
Fan Speed	760 RPM	Noise Pressure Level (2) (5)	52 dB(A)
Capacity per motor / total	1,39/16,68kW	At the distance of	10 m
Current per motor / total (3)	2,6/31,2 A	Noise Power Level (5)	84,8 dB(A)
Cap. on duty point motor/total	1,15/13,78kW	Energy efficiency class	D

Construction

Casing	FeZn powder painted	Fins	Blue fin
Varnishing	Powder coated RAL 9010	Fin pitch	2,1 mm
Dry weight (4)	4203 kg	Surface	4356,0 m²
Max. operating pressure	12 bar	Tubes	Copper
Length (L)	8700 mm	Tube volume	713,0 dm³
Width (D)	2280 mm	Headers	2 x 108x2,5 / 2 x 108x2,5
Height (H)	2450 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 dependance of the air temperature and of the variations 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 confirmed drawing

(5) The noise data do not include the noise emission due to spraying water.

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ACCESSORIES PRICE LIST

[10926] - Wiring from fan to frontside of heat exchanger to
[1588] - Vibration dampers - SMF50
[40639] - Special fins - Blue fin 0,12 mm thickness
[40068] - 4 x Alu flange DN100 PN10

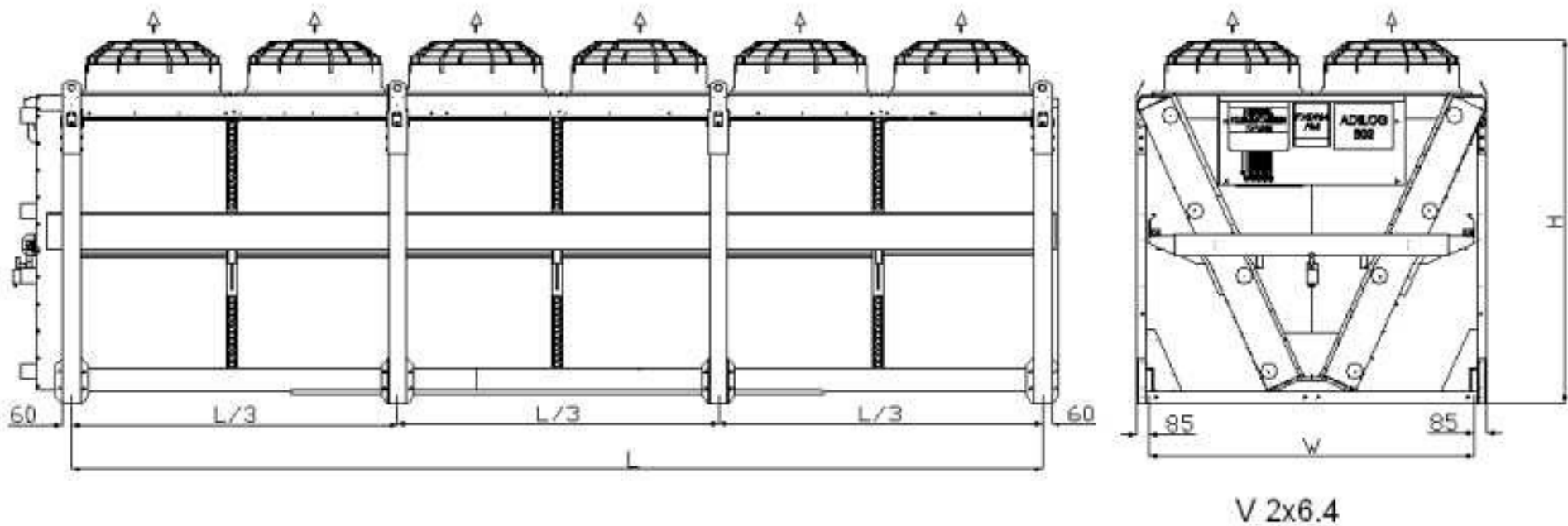
Total Net Price (Excluded VAT)

Unit price per unit
Accessories price per unit
Special Fan surcharge
**Total amount (without VAT
incl. transp. protection)**

Required unit(s)
Material surcharges net per unit
Surcharge for adiabatic system

Terms of delivery
Payment conditions
Delivery Time
Validity

Model GCDD099KB-2x6-72-L Y (eb)



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Fluid	ETHYLENE GLYCOL 35%	
Fluid medium temperature	33,6	°C
Density	1038,52	kg/m ³
Specific heat	3632,72	J/(kg K)
Thermal conductivity	0,527154	W/(m K)
Dynamic viscosity	0,00197282	kg/(m s)