

Date: 2021-06-03  
 Enquiry dated:  
 Project:  
 Quotation-no.:  
 Item:  
 Reference:



Drycooler

GFHC FD 063.1/22-38

<b>Capacity:</b>	60.0 kW	<b>Medium:</b>	Ethylene glycol 25 Vol. % <sup>(1)</sup>
<b>Surface reserve:</b>	1.0 %	<b>Inlet:</b>	45.0 °C
<b>Air flow:</b>	26749 m <sup>3</sup> /h	<b>Outlet:</b>	40.0 °C
<b>Air inlet:</b>	35.0 °C	<b>Pressure drop:</b>	0.71 bar
<b>Altitude:</b>	0 m	<b>Volume flow:</b>	10.84 m <sup>3</sup> /h

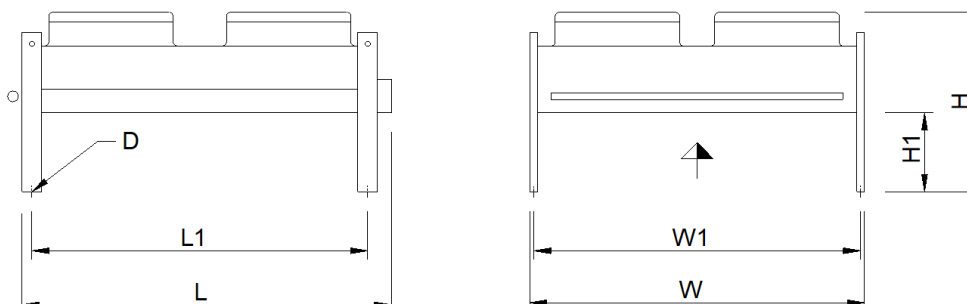
<b>Fans (EC):</b>	4 Piece(s) 1~230V 50-60Hz	<b>Noise pressure level:</b>	38 dB(A) <sup>(2)</sup>
<b>Data per motor (nominal data):</b>		<b>at a distance of:</b>	10.0 m
<b>Speed:</b>	770 min-1	<b>Noise power level:</b>	70 dB(A)
<b>Capacity (el.):</b>	0.26 kW	<b>ErP:</b>	Compliant <sup>(3)</sup>
<b>Current:</b>	1.15 A <sup>(4)</sup>		

<b>Total el. power consumption:</b>	0.88 kW	<b>Energy efficiency class:</b>	B (2014)
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<b>Casing:</b>	Galv. Steel, RAL 7035	<b> Tubes:</b>	Copper <sup>(5)</sup>
<b>Surface:</b>	497.5 m <sup>2</sup>	<b> Fins:</b>	Aluminum <sup>(5)</sup>
<b>Tube volume:</b>	49.6 l	<b>Connections per unit:</b>	
<b>Fin spacing:</b>	3.00 mm	<b>Inlet:</b>	54.0 * 2.00 mm
<b>Dry weight:</b>	348 kg <sup>(6)</sup>	<b>Outlet:</b>	54.0 * 2.00 mm
<b>Max. operating pressure:</b>	10.0 bar	<b>PED classification:</b>	Art. 4, par. 3 <sup>(7)</sup>
		<b>Passes:</b>	8

**Dimensions:<sup>(6)</sup>**

L = 2484 mm  
 W = 2096 mm  
 H = 965 mm  
 H1 = 400 mm  
 L1 = 2300 mm  
 W1 = 2056 mm  
 D = 13 mm



Attention: Drawing and dimensions not valid for all accessory options!

UI: 0032745

**Accessories**

	Piece(s)
Welding neck flanges DN50 PN16 B1 (DIN EN 1092-1) <sup>(8)</sup>	2
Temp. sensor with stainless steel pocket (5215221)	1
Mounting and wiring (Control cabinet, Fan, Temperature sensor)	1
GMM(next) EC Controller + GPD <sup>(9)</sup>	1
1 x (5215289) GMMnext EC-Controller IP54 4xM	
1 x (5215263) GPD+Disconnect RM Box for EC Fans 230VAC 2x	
Fan parameterisation omitted <sup>(10)</sup>	1

**Important remarks / explanatory notes:**

- (1) Fluid group 2 according to pressure equipment directive 2014/68/EU
- (2) According to the enveloping surface method defined in EN 13487/EN 9614-1; Eurovent tolerance = +2 dB(A). Applies only for AC fans, AC fans with sine control and EC fans. Noise caused by other control methods, water spraying systems or sound reflexions occurring at the installation site are not taken into account and may result in an increased sound pressure level.
- (3) This unit is equipped with fans that meet the efficiency requirements of Directive 2009/125/EC (ErP Directive).
- (4) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.

- (5) The unit may not be suitable for very corrosive atmospheres (close to shores, in smoke rooms, etc.). For further information see program menu "?", "Material recommendations brochure", or ask your sales partner.
- (6) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (7) Piping (DN = 50.0 mm, T<sub>Smax</sub> = 100 °C, liquid). Final classification according to pressure equipment directive 2014/68/EU during order processing.
- (8) Incl. counter flange, screws and gaskets are intended for transport only and must be replaced
- (9) (GMEC04-0115NO1-xNNxNNN-N-001) Width x Height x Depth: 200 mm x 300 mm x 132 mm, weight: 6 kg, Protect. system IP 54, one control cabinet for all units, Operating temperature range: -20.0 °C - 40.0 °C, Power supply: 400 VAC / 5060 Hz / 3-Ph+N+PE, Full load amperage (FLA): 2.3 A, Maximum overload protection (MOP): 10.0 A(gL/gG)
- (10) Parametrisation performed automatically by the GMM