

Date: 14 January 2022
 Enquiry dated:
 Project: Brill Place
 Quotation-no.: E33430-20-M15
 Item: Adiabatic Cooler
 Reference: R Targett

Drycooler S-GFD 090.4D/5-SD1C/2P.E

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|-------------------------------|-------------------------|-----------------------|--|
| Capacity: | 400.0 kW | Medium: | Ethylene glycol 20 Vol. % ⁽¹⁾ |
| Insufficient capacity: | 0 h/a, max. 0 kW (0.0%) | Inlet: | 47.0 °C |
| Air flow: | 70492 m³/h | Outlet: | 42.0 °C |
| Air inlet: | 35.0 °C / 37.0 % | Pressure drop: | 0.27 bar |
| Altitude: | 36 m | Volume flow: | 71.21 m³/h |

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|---------------------------------------|---------------------------|------------------------------|--------------------------|
| Fans (EC): | 5 Piece(s) 1~230V 50-60Hz | Noise pressure level: | 41 dB(A) |
| Data per motor (nominal data): | | at a distance of: | 10.0 m |
| Speed: | 560 min-1 | Noise power level: | 74 dB(A) |
| Capacity (el.): | 0.47 kW | ErP: | Compliant ⁽²⁾ |
| Current: | 2.10 A ⁽³⁾ | | |

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|-------------------------------------|---------------------------------|----------|
| Total el. power consumption: | Energy efficiency class: | B (2014) |
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|---------------------------------|--------------------------|------------------------------|-------------------------------|
| Casing: | Galv. Steel, RAL 7035 | Tubes: | Copper ⁽⁴⁾ |
| Surface: | 1778.3 m² | Fins: | Aluminum ⁽⁴⁾ |
| Tube volume: | 236.7 l | Connections per unit: | |
| Fin spacing: | 2.40 mm | Inlet: | 2 x DN80 PN16 |
| Dry weight: | 1687.5 kg ⁽⁵⁾ | Outlet: | 2 x DN80 PN16 |
| Max. operating pressure: | 16.0 bar | PED classification: | Art. 4, par. 3 ⁽⁶⁾ |
| | | Passes: | 2 |

Dimensions:⁽⁵⁾

Lenght = 6429 mm + manifolds
 Width = 1330 mm
 Height = 2850 mm

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

| Accessories | Piece(s) |
|--|----------|
| EC fans with motor management GMM EC/08 | 1 |
| Hydro Spray Professional ⁽⁷⁾ | 1 |
| Max. temperature: 35.0 °C | |
| Switch point: 26.1 °C | |
| Spray hours: 103 h/a | |
| Mean water consumption: 19.0 m³/a | |
| Max. water consumption: 0.34 m³/h | |
| Required primary pressure: 2.0 bar (max. 6 bar), Spray nozzle: 'Brown' | |
| Attention: A separate water supply with stop valve (NC) and drain valve (NO) has to be provided for each unit on site. It is mandatory to adhere to the water quality level specified in the footnote! | |

Important remarks / explanatory notes:

- (1) Fluid group 2 according to pressure equipment directive 2014/68/EU
- (2) This unit is equipped with fans that meet the efficiency requirements of Directive 2009/125/EC (ErP Directive).
- (3) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.
- (4) 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.
- (5) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (6) Piping (DN = 84.9 mm, T_{Smax} = 100 °C, liquid). Final classification according to pressure equipment directive 2014/68/EU during order processing.
- (7) Calculation based on the climate data of Merton (file date: 2013-08-16).
 Required water quality: Water hardness ≤ 2.0 °dH, electrical conductivity 50-600 µS/cm, chloride ≤ 150 g/m³, sulfate ≤ 150 g/m³, ammonium ≤ 0.5 g/m³, pH-value 6.5-8.5, colony forming units ≤ 1000 KBE/ml, legionnaires ≤ 10 KBE/ml.
 The water preparation (softening) has to be provided on site.