wieland

EVRO PROM

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**DRY COOLER**

**Model : FN801C3CM D P3 V CG CB SW SV**

**DESCRIPTION**

- Frame of finned coil in galvanized steel
- Copper pipes diameter 12mm smooth
- Standard fins in aluminium with very high efficiency corrugation
- External frame in galvanized steel epoxy painted RAL 9016
- Expanded pipes on an Aluminium counterplate to avoid any contact between copper and galvanized steel and therefore any possible leaking due to prolonged vibrations
- Enlarged holes for headers nipples
- Unit modules completely independent for each fan, perfectly separate with dedicated internal steel
- High efficiency cowls with high collar to get the max. air flow and the min. noise level of the fans
- Fans with wings in die-casting Aluminium or in composite material
- Fan grids in steel painted by cataphoresis or epoxypolyester RAL 9005
- Fans with external rotor IP54 (according to N60529) insulation class F
- Standard supply voltage 400V - 3ph - 50 Hz + neutral
- Copper headers
- AISI connections, threaded till diameter 1 1/2”, flanged beginning from 2”
- Unit shipped in vertical position ( with horizontal air flow ) on a pallet for loading / unloading

**TESTING**

- Max. design pressure 10 bar
- Pneumatic test with dry air
- Units produced according to (2006/42/EC) - EMC (2004/108/EEC)

**OPTION ON REQUEST**

- Wooden crate
- Executions with inclined self-draining finned coil
- Fins in special material ( hydrophilic Aluminium, prepainted Aluminium, copper )
- Finned coils with special treatments ( Thermoguard, Blygold, Heresite )
- Copper pipes with bigger thickness
- AISI pipes
- AISI external frame
- Oversized supports for vertical air flow
- ATEX Fans
- EC Fans
- Special voltage 60 Hz
- Fan wiring
- Power switch for each fan
- Electrical box
- Speed regulator cut of phase, with inverter or by step
- Speed regulator for EC fans
- Temperature sensor
- Anti-vibration supports
- Spray system kit
- Pump group for spray system kit

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| | | | |
|---|---|---|---|
| Real Capacity | **49,20** kW | Fluid | **WATER** |
| | | Fluid Inlet Temperature | **40,0** °C |
| Air Flow | **19650,00** m³/h | Fluid Outlet Temp. Real | **35,1** °C |
| | | Pressure Drops | **26,0** kPa |
| Air temp.( switching temp dry/wet )/RH | **25,0 / 50,0** °C / % | Volumetric fluidflow | **8,67** m³/h |
| Outlet air temperature / RH | **32,5 / 32,3** °C / % | Massic fluidflow | **8611** kg/h |
| Available static pressure | **0,0** Pa | Fluid Velocity | **1,21** m/s |
| Altitude | **0** m | | |

## Fans data

| | | | |
|---|---|---|---|
| Fan Piece(s) | **1** | Sound Power | **80** dB(A) |
| Blade Diameter | **800** mm | Noise Pressure Level | **48** dB(A) (a) |
| Speed/Max | **911/922** rpm | Distance | **10** m |
| Capacity x 1 | **1731** W | % RPM | **100** % |
| Capacity | **1731** W | Power supply | **400/3/50** |
| Current x 1 | **3,9** A (b) | Op. Mode | **Delta** |
| **Current** | **3,9** A | | |

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|
| Sound power (dB(A)) | 57,0 | 68,0 | 66,0 | 69,0 | 71,0 | 66,0 | 60,0 |

Nota: sound spectrum indicative, tolerance +/- 5dB(A)

## Unit data

| | | | |
|---|---|---|---|
| Surface | **83,4** m² | IN and OUT Connection number | **1** |
| Internal Volume | **18,9** dm³ | Inlet Header | **2"** |
| Fin Spacing | **3** mm | Outlet Header | **2"** |
| Dry Weight | **139,00** kg (c) | | |
| Max Working Pressure | **10** bar | | |
| Connections position | **Same side** | Circuits / Skipped tubes | **18 / 0** |

(a) according EN13487 / EN ISO3744

(b) nominal current 20°C

(c) dimensions, weight and connections refer to the standard execution and don't include ant option/accessory
for specific dimensional drawing please contact our technical office

(d) The use of inverter not supplied by Onda spa should be previously approved

(e) the unit is supplied with fans according to 2009/125/EC ( ERP)

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| | |
|---|---|
| Unit price list | € (EUR) |
| *Accessories price list* | |
| Vertical air flow supports (SV) | € (EUR) |
| Wiring on terminal box (CB) | € (EUR) |
| Safety switch 4P (SW) | € (EUR) |

Discount

Accessories Discount

Total net price

Code electrical box: **0CNZGMF01S2N-**

**Technical data defrost**

| | |
|---|---|
| Fluid flow | l/h |
| Pressure drops | kPa |

Activation code :

3B47369DD0B58B1EF0000000864EDDDDDDJHILH

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**SV**
Kit supports for vertical air flow.
- Material: steel epoxy painted RAL9016

**CB**
Fans wiring in terminal box located on board on headers side
- Wiring 3ph + N + fans thermal protections
- Protection Class IP56
- Cables with anti UV ÖLFLEX ® 110 FR ( -40 / +70°C )
- Min. / Max. allowable working temperature -20 / +60°C

**OPTIONS ON REQUEST**
- Low temperature wiring ( -40°C / +50°C )

**SW**
Line isolating switches 4P installed near the fans (on the cowls) with metallic protection against rain.
- Protection Class IP65
- Min. / Max. allowable working temperature -20 / +50°C

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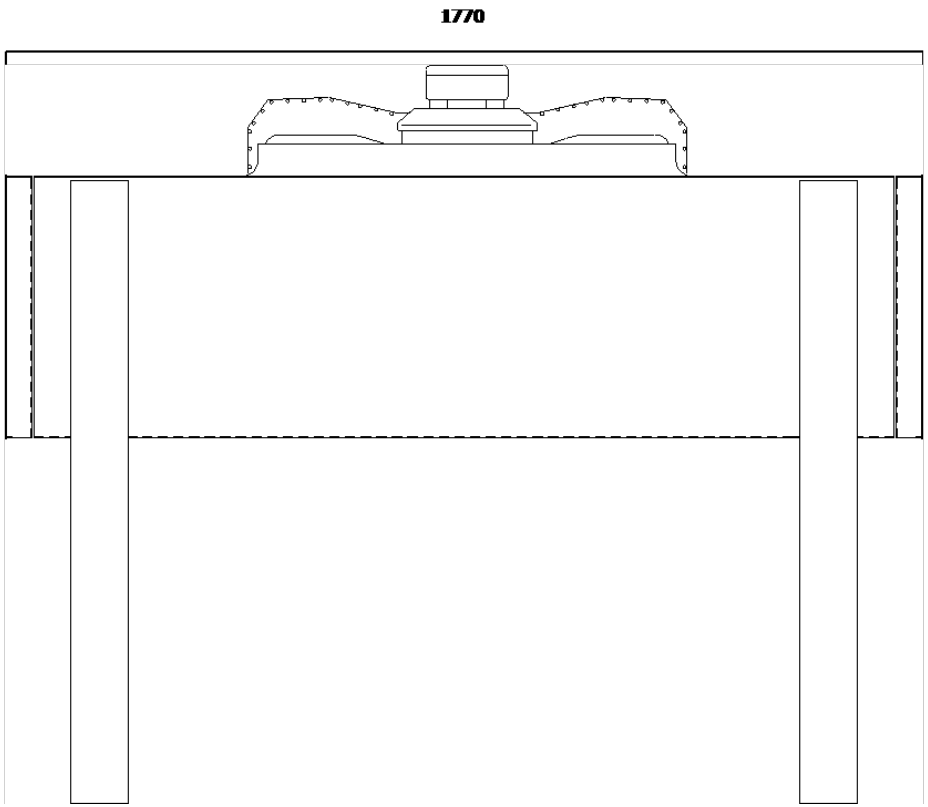


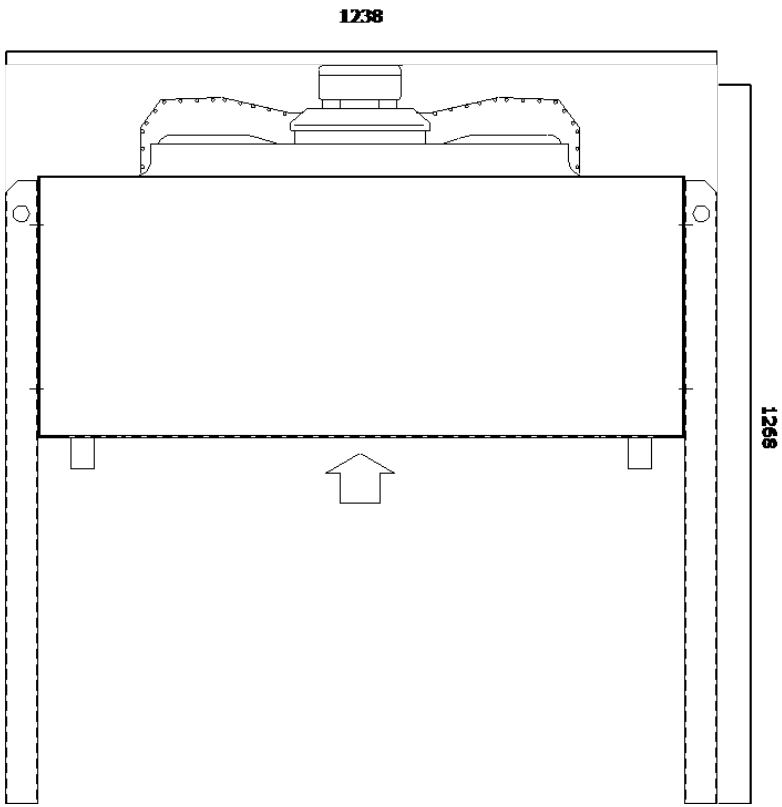


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