

## CMRS-400-2T-7.5 IE3



**Extremely robust medium pressure. single-inlet centrifugal fans fitted with a backward-curved blade impeller**

Fan:

- Sheet steel casing.
- Reaction blade impeller in extremely robust sheet steel. specially designed for transporting clean or slightly dusty air.
- Motor coupled directly.
- Fitted with inspection hatch. except models 350. 400. 450. 500 and 560.

Motor:

- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase. 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400V-50Hz (up to 4kW) and 400/690V-50Hz (powers higher than 4kW).
- Maximum temperature of air to be carried: -20°C + 120°C.

Finish:

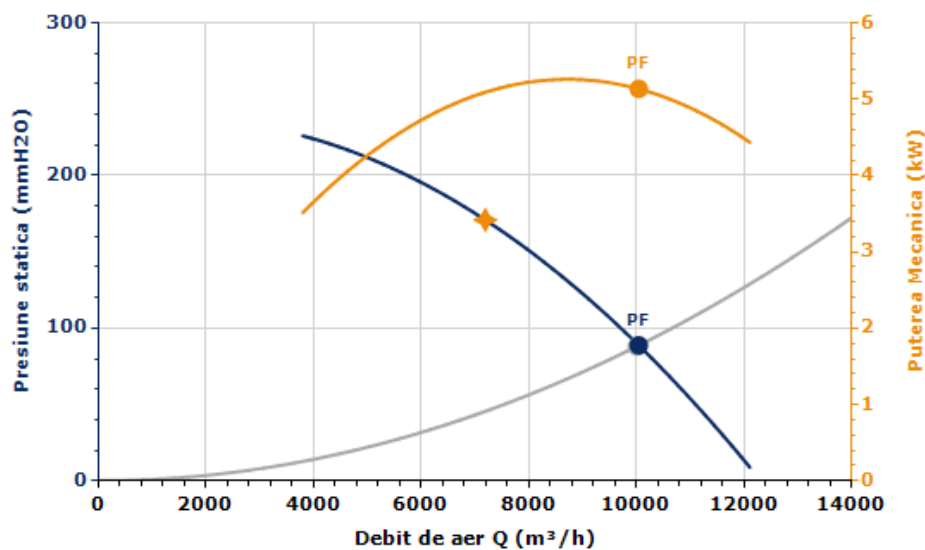
- Anticorrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

On request:

- Special windings for different voltages.
- Fan prepared for air transmission of up to 250°C.
- Stainless steel fan.
- ATEX-certified Category 2.
- System 8 elastic coupling.



### CURBA CARACTERISTICA SI ACUSTICA LA 1,2KG/M<sup>3</sup>



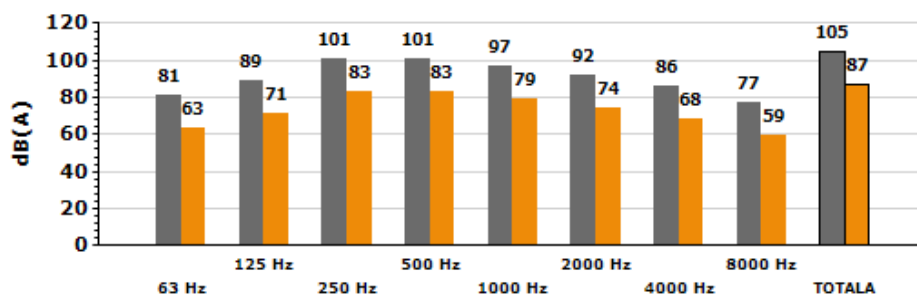
#### Punctul de Proiectare

|            |       |
|------------|-------|
| Q (m³/h)   | 10000 |
| Ps (mmH2O) | 88,10 |

#### Punctul de Functiune (PF)

|                                    |          |
|------------------------------------|----------|
| Q (m³/h)                           | 10037,68 |
| Ps (mmH2O)                         | 88,77    |
| Pd (mmH2O)                         | 35,14    |
| Pt (mmH2O)                         | 123,90   |
| Rotor (rpm)                        | 2930     |
| Temp. Max. (°C)                    | 120      |
| Viteza de refulare a aerului (m/s) | 23,96    |
| SFP (kW/m³/s)                      | 2,05     |
| Puterea Mecanica (kW)              | 5,14     |

Acustica: Aspiratie, 3 (m), 1 plan reflectorizant



| Banda   | Lw dB(A) | Lp dB(A) |
|---------|----------|----------|
| 63 Hz   | 81       | 63       |
| 125 Hz  | 89       | 71       |
| 250 Hz  | 101      | 83       |
| 500 Hz  | 101      | 83       |
| 1000 Hz | 97       | 79       |
| 2000 Hz | 92       | 74       |
| 4000 Hz | 86       | 68       |
| 8000 Hz | 77       | 59       |
| TOTALA  | 105      | 87       |

## CARACTERISTICI TEHNICE

|                           |       |
|---------------------------|-------|
| Debit de aer maxim (m³/h) | 12100 |
| Viteza (rpm)              | 2930  |
| Greutate aprox. (kg)      | 107   |

## ERP

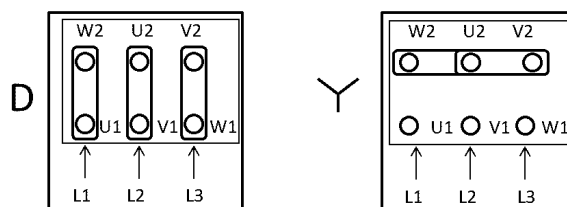
|                        |       |
|------------------------|-------|
| Randament              | 65,4% |
| Gradul de randament N  | 68,0  |
| Categoria de masurare  | B     |
| Categoria de randament | Total |
| Raportul specific      | 1,02  |
| Debit (m³/h)           | 7190  |

|                          |                     |
|--------------------------|---------------------|
| Presiune (Pa)            | 1853                |
| Putere electrica (kW)    | 5,659               |
| Viteza (rpm)             | 2935                |
| Convertizor de frecventa | VSD nu este necesar |
| ErP compliance           | 2015                |

◆ Datele sunt stabilite la punctul de eficienta optim

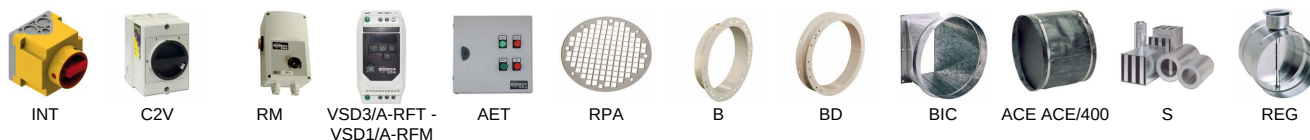
## DATELE MOTORULUI

|                              |       |
|------------------------------|-------|
| Puterea Instalata (kW)       | 5,50  |
| Hz/faze                      | 50/3  |
| Motor (rpm)                  | 2930  |
| Poli                         | 2P    |
| Curent maxim (A) 380-415 V D | 10,10 |
| Curent maxim (A) 660-725 V Y | 5,86  |
| Protectia motorului          | IP55  |
| Marimea ramei motorului      | 132   |



Datele se pot schimba, va rugam sa verificati placuta motorului

## ACCESORII DISPONIBILE



Trebuie verificat daca accesoriul este potrivit pentru modelul de ventilator

## DIMENSIUNI

| A   | B   | C   | C1  | C2  | ØD1 | Ød  | Ød1 | Ød2 | N     | E   | H   | H1  | L   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 666 | 824 | 667 | 519 | 148 | 405 | 491 | 448 | 12  | 8x45° | 285 | 500 | 243 | 408 |

| M   | R  | ØO1 | P   | p   | X   | x1  | Y   | T   | J   | J1 | J2  | S   | s   |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|
| 360 | 23 | 12  | 372 | 337 | 693 | 314 | 172 | 368 | 484 | 36 | 448 | 292 | 125 |

| s1 | s2  | W   | ØZ |
|----|-----|-----|----|
| 41 | 332 | 408 | 12 |

Dimensiunile fara unitati definite explicit sunt exprimate in milimetri (mm)

