

CMRS-450-2T-10 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:

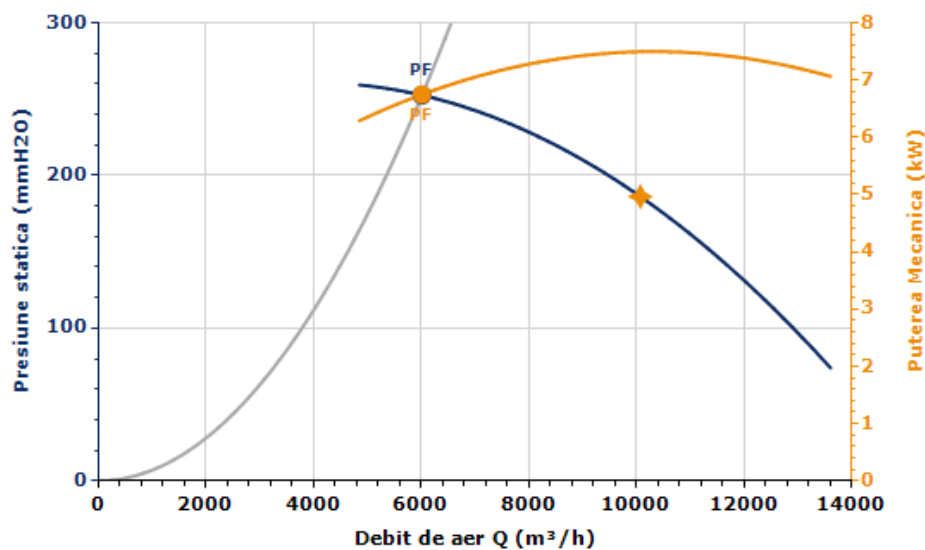
- Anti-corrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

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/M³

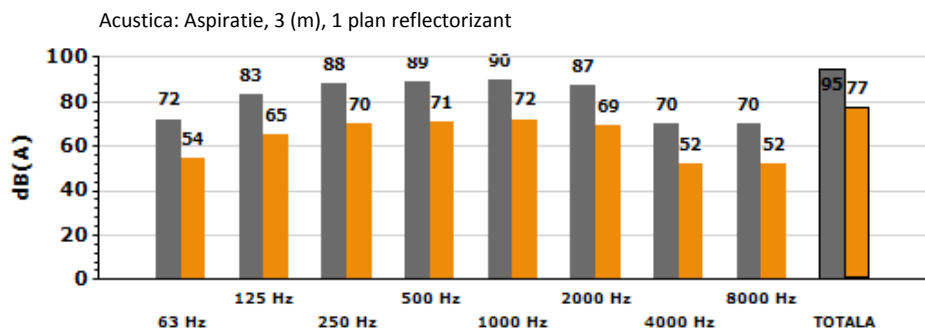


Punctul de Proiectare

Q (m³/h)	6011
Ps (mmH2O)	252,70

Punctul de Functionare (PF)

Q (m³/h)	6013,35
Ps (mmH2O)	252,70
Pd (mmH2O)	8,02
Pt (mmH2O)	260,72
Rotor (rpm)	2930
Temp. Max. (°C)	120
Viteza de refulare a aerului (m/s)	11,45
SFP (kW/m³/s)	4,49
Puterea Mecanica (kW)	6,75



Banda	Lw dB(A)	Lp dB(A)
63 Hz	72	54
125 Hz	83	65
250 Hz	88	70
500 Hz	89	71
1000 Hz	90	72
2000 Hz	87	69
4000 Hz	70	52
8000 Hz	70	52
TOTALA	95	77

CARACTERISTICI TEHNICE

Debit de aer maxim (m³/h)	13600
Viteza (rpm)	2930
Greutate aprox. (kg)	141

ERP

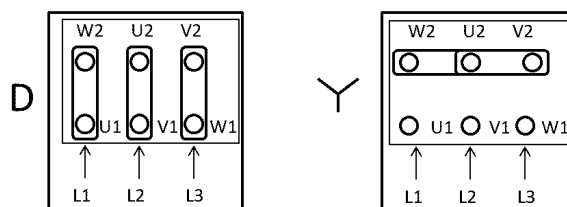
Randament	69,5%
Gradul de randament N	70,4
Categoria de masurare	B
Categoria de randament	Total
Raportul specific	1,02
Debit (m³/h)	10069

Presiune (Pa)	2047
Putere electrica (kW)	8,240
Viteza (rpm)	2935
Convertizor de frecventa	VSD nu este necesar
ErP compliance	2015

◆ Datele sunt stabilite la punctul de eficienta optim

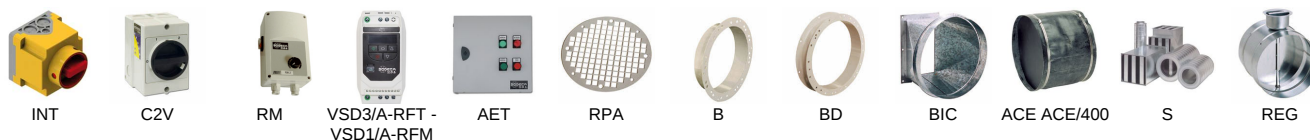
DATELE MOTORULUI

Puterea Instalata (kW)	7,50
Hz/faze	50/3
Motor (rpm)	2930
Poli	2P
Curent maxim (A) 380-415 V D	14,10
Curent maxim (A) 660-725 V Y	8,17
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	E	N	H	H1	L
753	922	741	576	165	455	524	497	12	320	12x30°	560	273	457

ØO1	M	P	R	p	X	Y	x1	T	J	J1	J2	S	s
12	360	372	23	337	728	190	314	402	533	61	497	326	125

s1	s2	W	ØZ
58	366	457	12

Dimensiunile fara unitati definite explicit sunt exprimate in milimetri (mm). Dimensiunile în funcție de motor sunt aproximative

