

CMA-528-2T-1 IE3



Centrifugal, medium pressure, single-inlet fans with cast aluminium casing and impeller

Fan:

- Cast aluminium casing.
- Cast aluminium impeller.
- Models 324, 325 and 426 impeller in polyamide, model 531-2T-3 impeller in sheet steel.

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 except single-phase models, with IP54 protection.
- Single-phase 230V-50Hz and three-phase 230/400V-50Hz.
- Maximum temperature of air to be carried: -20°C + 120°C, maximum +70°C models with polyamide impeller.

Finish:

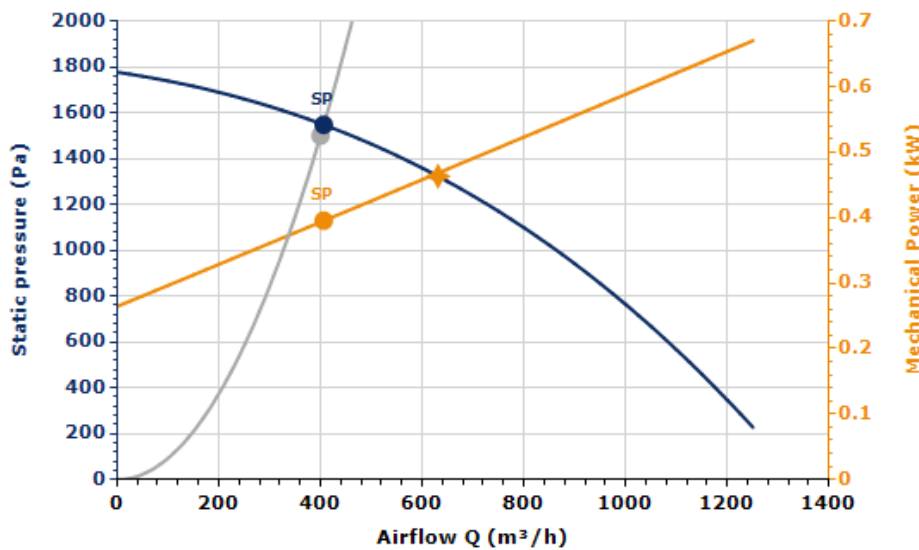
- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

On request:

- Special windings for different voltages.
- Cast aluminium impellers for models 324, 325 and 426.
- Fan prepared for air transmission of up to 250°C.
- Category 2 ATEX certification (see CMA/ATEX series).



CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

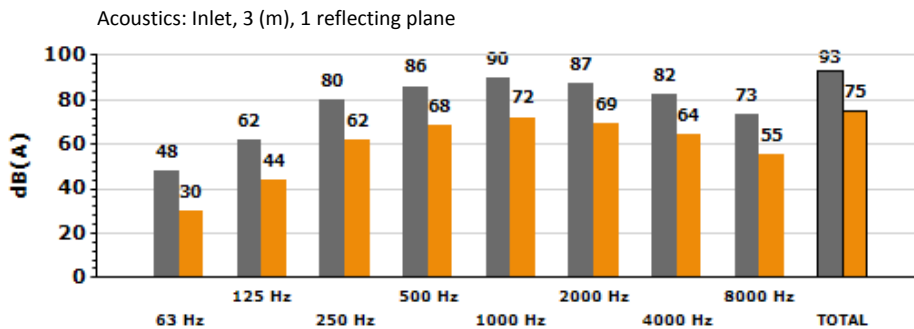


Design Point

Q (m ³ /h)	400
Ps (Pa)	1500

Service Point (SP)

Q (m ³ /h)	406.33
Ps (Pa)	1547.85
Pd (Pa)	45.23
Pt (Pa)	1593.08
Impeller (rpm)	2780
Max. Temp. (°C)	250
Outlet air speed (m/s)	8.68
SFP (kW/m ³ /s)	4.27
Mechanical Power (kW)	0.40



Band	Lw dB(A)	Lp dB(A)
63 Hz	48	30
125 Hz	62	44
250 Hz	80	62
500 Hz	86	68
1000 Hz	90	72
2000 Hz	87	69
4000 Hz	82	64
8000 Hz	73	55
TOTAL	93	75

TECHNICAL CHARACTERISTICS

Airflow maximum (m ³ /h)	1250
Speed (rpm)	2780
Approx. weight (kg)	23.50

ERP

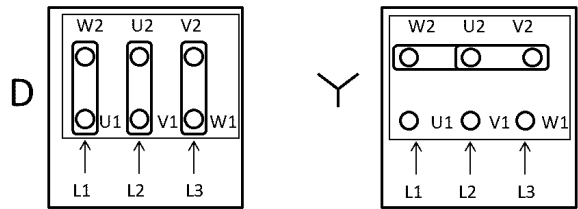
Efficiency	40.6%
Efficiency grade N	48.5
Measurement category	A
Efficiency category	Static
Specific ratio	1.01
Flowrate (m ³ /h)	631

Pressure (Pa)	1323.41
Input power (kW)	0.571
Speed (rpm)	2891
Variable speed drive	VSD not necessary
ErP compliance	2015

◆ Data established at point of optimum efficiency

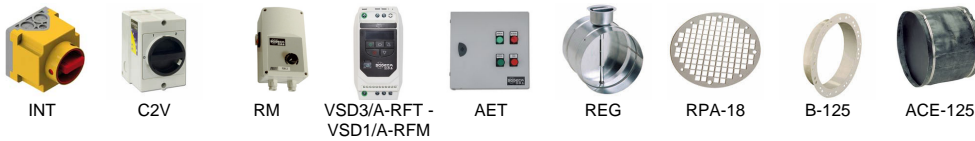
MOTOR DATA

Rated Mechanical Power (kW)	0.75
Hz/phases	50/3
Motor (rpm)	2825
Poles	2
Max. current (A) 380-415 V Y	1.62
Max. current (A) 220-240 V D	2.80
Motor protection	IP55
Motor frame size	80



Data can change, please check motor plate

AVAILABLE ACCESSORIES



It must be checked that the accessory is suitable for the fan model

DIMENSIONS

A	A1	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	øI
401	395	488	340	289	51	116	190	162	M6	178	290	177	190

øK	øk	øO	øO1	V	v	X	x1	Y
130	160	11	13	230	180	140	100	20

Dimensions without explicitly defined units are shown in millimeters (mm)

