

CMA-531-2T-1.5 IE3

Code: 1008873



Single inlet medium pressure centrifugal fans with cast aluminum 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.
- Maximum temperature of air to be carried: -25 °C +120 °C, maximum +70 °C models with polyamide impeller.

Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, 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 230 V 50 Hz and three-phase 230/400 V 50 Hz.
- Working temperature: -25 °C +50 °C.

Finish:

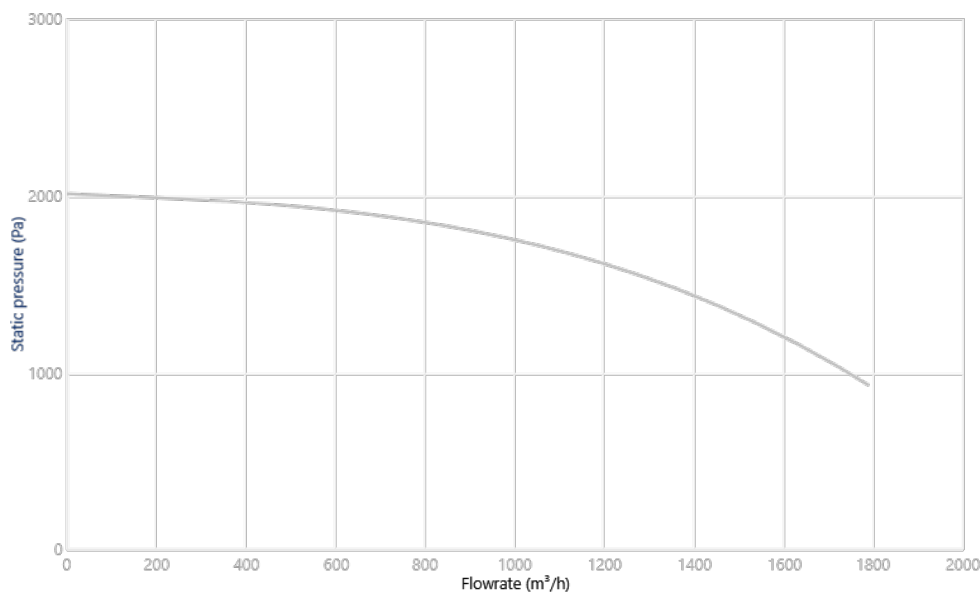
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

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



CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

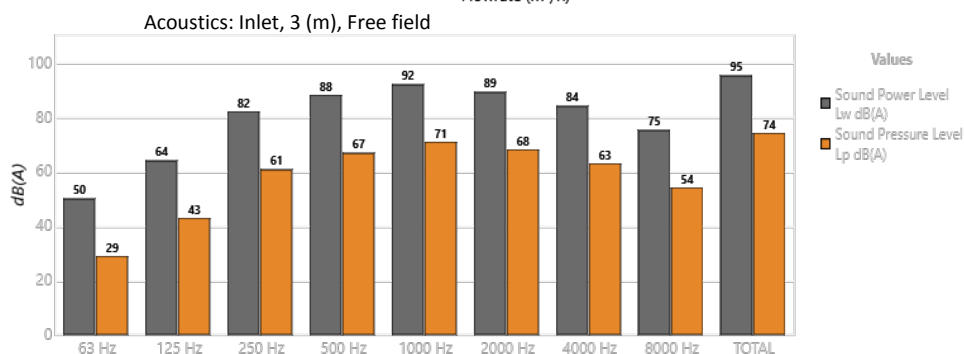


Design Point

Q (m ³ /h)	
Ps (Pa)	

Service Point (SP)

Q (m ³ /h)	-
Ps (Pa)	-
Pd (Pa)	-
Pt (Pa)	-



Band	Lw dB(A)	Lp dB(A)
63 Hz	50	29
125 Hz	64	43
250 Hz	82	61
500 Hz	88	67
1000 Hz	92	71
2000 Hz	89	68
4000 Hz	84	63
8000 Hz	75	54
TOTAL	95	74

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	1790
Speed (rpm)	2880
Maximum static pressure (Pa)	2009
Maximum total pressure (Pa)	2009

ERP

Efficiency	50.0%
Efficiency grade N	56.2
Measurement category	A
Efficiency category	Static
Specific ratio	1.02
Flowrate (m³/h)	1173

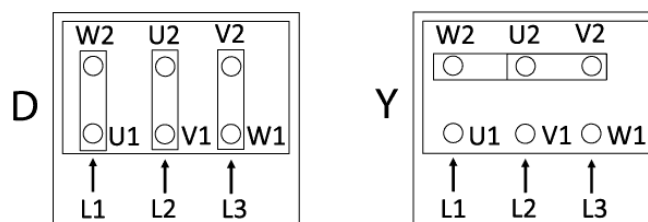
Pressure (Pa)	1630
Input power (kW)	1.062
Speed (rpm)	2862
Variable speed drive	VSD not necessary
ErP compliance	2015

♦ Data established at point of optimum efficiency

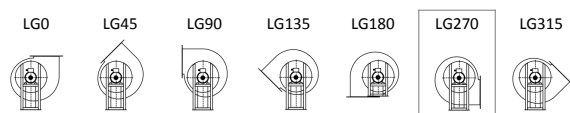
MOTOR DATA

Rated Mechanical Power (kW)	1.1
Hz/phases	50/3
Motor (rpm)	2830
Poles	2P
Max. current (A) 380-415 V Y	2.34
Max. current (A) 220-240 V D	4.03
Motor protection	IP55
Motor frame size	80

Data can change, please check motor plate



FAN POSITIONS



LG270: Standard orientation

DIMENSIONS

A	A1	B	C	C1	C2	ød	øD	ød1	ød2	E	H	H1	øI
440	434	537	361	310	51	215	160	180	M6	193	320	200	200

øK	øk	øO	øO1	V	v	X	x1	Y
140	175	11	13	226	190	160	120	18

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	30
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