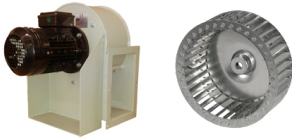


TCMP-1231-4T-3-F-400 IE3

Code: 1023194



400 °C/2h centrifugal extractor fans, with forward curved impeller

400 °C/2h centrifugal single inlet extractor fans for operation outside of fire risk zones.

Fan:

- Sheet steel casing.
- Forward curved impeller in galvanised sheet steel.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR- 0313.

Motor:

- Class F motors with ball bearings and IP55 protection.
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: S1 -25 °C+ 250 °C continuous service. S2 300 °C/2h and 400 °C/2h service.

Finish:

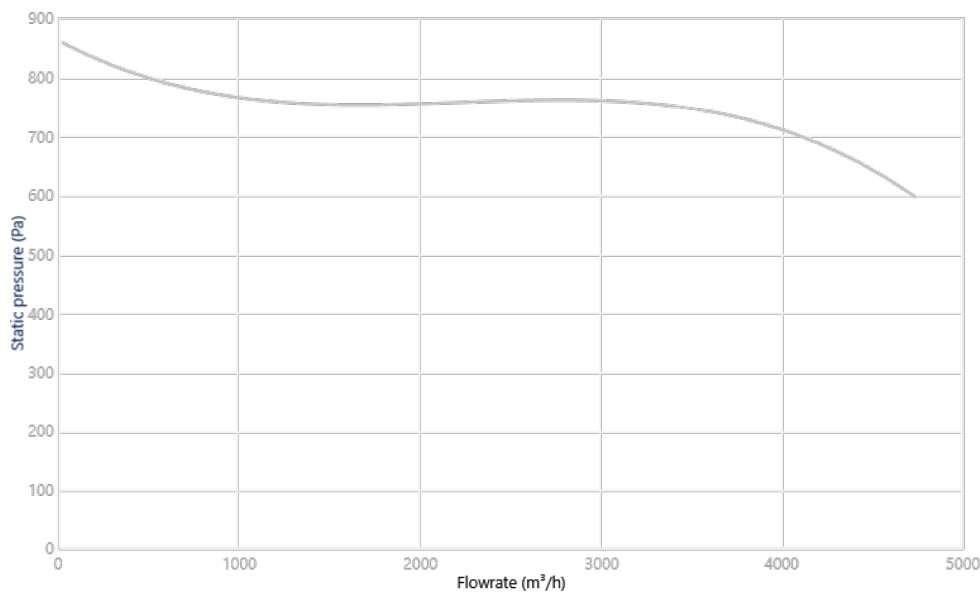
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

- Fans with 2 speed motor.
- Belt driven extractor fans.



CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



Design Point

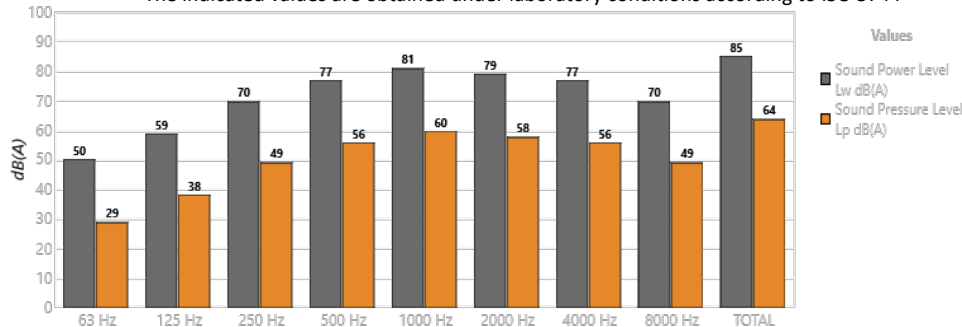
Q (m³/h)	
Ps (Pa)	

Service Point (SP)

Q (m³/h)	-
Ps (Pa)	-
Pd (Pa)	-
Pt (Pa)	-

Acoustics: Radiated, 3 (m), Free field

The indicated values are obtained under laboratory conditions according to ISO 3744



Band	Lw dB(A)	Lp dB(A)
63 Hz	50	29
125 Hz	59	38
250 Hz	70	49
500 Hz	77	56
1000 Hz	81	60
2000 Hz	79	58
4000 Hz	77	56
8000 Hz	70	49
TOTAL	85	64

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	4740
Speed (rpm)	1435
Maximum static pressure (Pa)	857.9
Maximum total pressure (Pa)	890.1

ERP

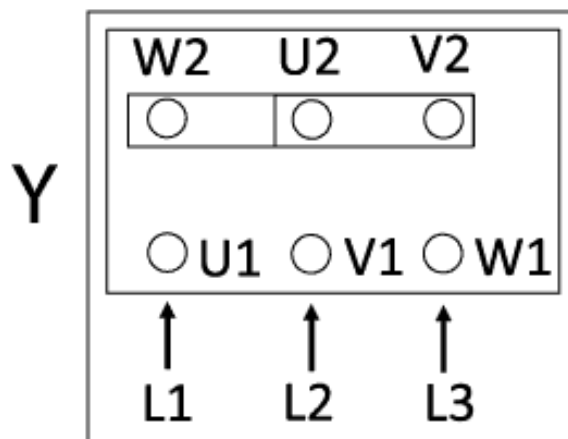
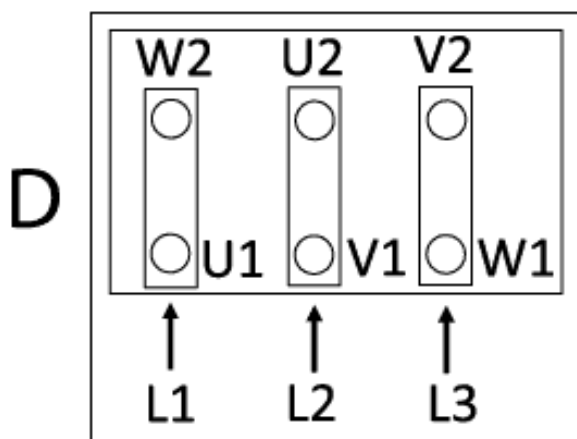
Efficiency	43.3%	Pressure (Pa)	759
Efficiency grade N	52.2	Input power (kW)	1.420
Measurement category	A	Speed (rpm)	1463
Efficiency category	Static	Variable speed drive	VSD not necessary
Specific ratio	1.01	ErP compliance	(EU) 2024/1834
Flowrate (m³/h)	2910	Remarks	According ErP

♦ Data established at point of optimum efficiency

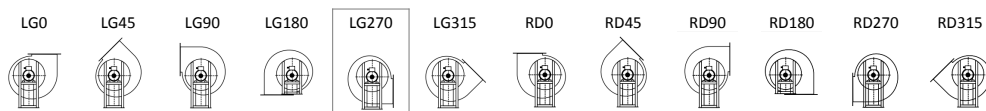
MOTOR DATA

Rated Mechanical Power (kW)	2.2	Max. current (A) 380-415 V Y	4.56
Hz/phases	50/3	Max. current (A) 220-240 V D	7.93
Motor (rpm)	1435	Motor protection	IP55
Poles	4P	Motor frame size	100L

Data can change, please check motor plate



FAN POSITIONS



LG270: Standard orientation

DIMENSIONS

A	B	C1	C2	E	H	H1	I	J	J1	K	k2	L	Ød
526	631	432	103	238	390	179	264	382	180	200	240	322	382

ØD1 [1]	Ød1	Ød2	ØO	ØO1	V	v	X	x1	Y
315	354	M8	12	13	382	322	183	140	125

[1] Recommended nominal diameter for duct.

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

Approx. weight (kg)	45
---------------------	----

