

CJTX-C-18/18-3-F-400 IE3

Code: 1028042



400 °C/2h belt driven double inlet extractor fan units

400 °C/2h extractor fan units, with motor and transmission mounted inside the box, to operate outside the fire risk zone.



Fan:

- Galvanised sheet steel structure.
- Forward curved impeller in galvanised sheet steel.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-0468.
- Linear airflow direction.

Motor:

- Class F motors with ball bearings, IP55 protection and with 1 or 2 speeds, depending on model.
- 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 continuous operation -25 °C +120 °C. S2 operation, 300 °C/2h and 400 °C/2h.

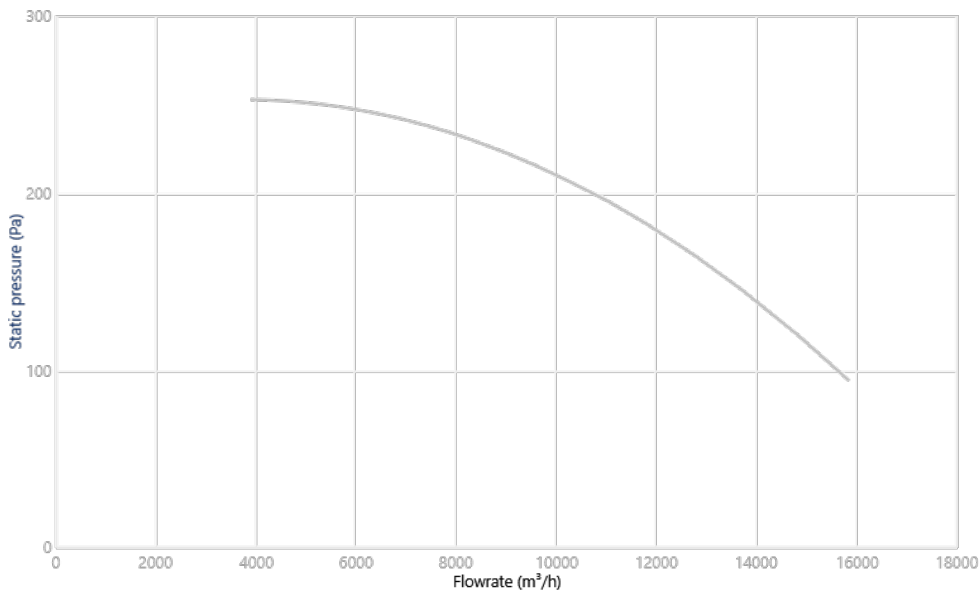
Finish:

- Galvanised steel sheet.

On request:

- Fans with vertical outlet.
- ATEX certification.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

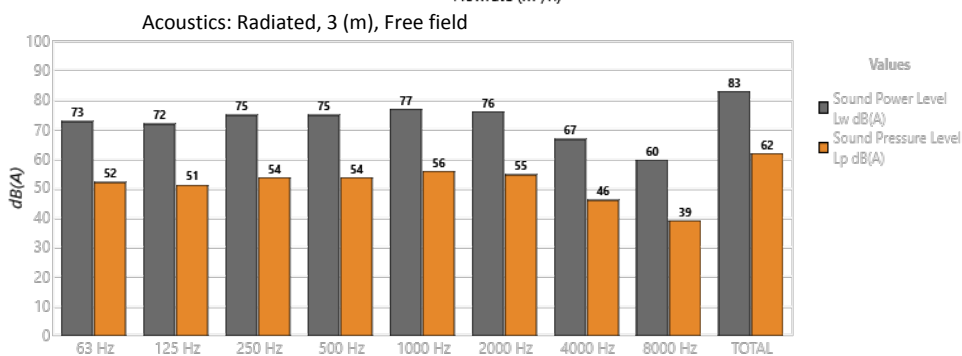


Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

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



Band	Lw dB(A)	Lp dB(A)
63 Hz	73	52
125 Hz	72	51
250 Hz	75	54
500 Hz	75	54
1000 Hz	77	56
2000 Hz	76	55
4000 Hz	67	46
8000 Hz	60	39
TOTAL	83	62

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	15850
Speed (rpm)	610
Maximum static pressure (Pa)	252.5
Maximum total pressure (Pa)	271.9

ERP

Brand	SODECA, S.L.U.
Model	CJTX-C-18/18-3-F-400 IE3
Typology	NRVU / UVU
Drive type	Variable speed
HRS type	None
Nominal flow rate (m³/s)	2.719
Effective electric power input (kW)	1.324
SFPint (W/m³/s)	230.00
Face velocity at design flow rate (m/s)	9.85
Nominal external pressure (Pa)	213

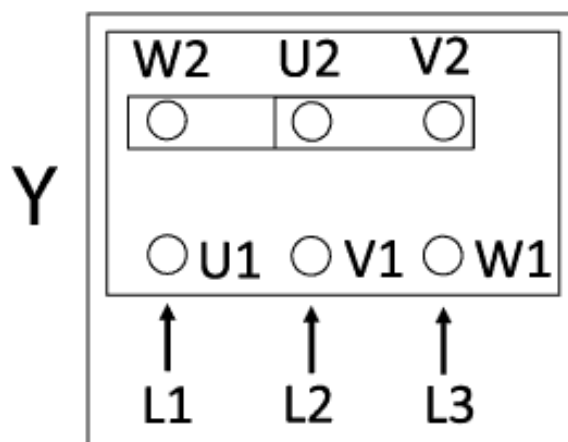
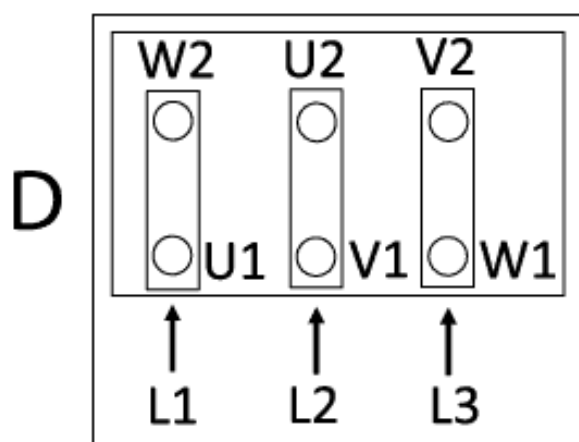
Static efficiency of fan according to EU 327/2011 (%)	45.5%
Max. internal leakage rate (%)	2.4%
Filter energy performance	Not applicable
Visual filter warning	Not applicable
Sound power level (LWA) (dBA)	84
Website	www.sodeca.com
ErP compliance	2018

MOTOR DATA

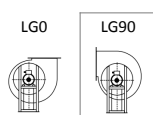
Rated Mechanical Power (kW)	2.2
Hz/phases	50/3
Motor (rpm)	1435
Poles	4P

Max. current (A) 380-415 V Y	4.56
Max. current (A) 220-240 V D	7.93
Motor protection	IP55
Motor frame size	100L

Data can change, please check motor plate



FAN POSITIONS



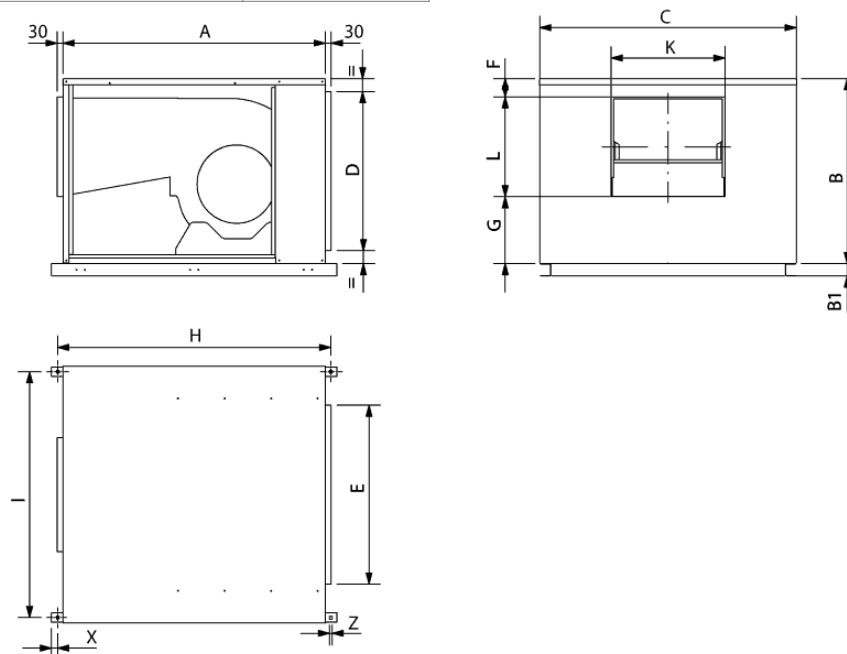
LG90: Standard orientation

DIMENSIONS

A	B	B1	C	D	E	F	G	H	I	K	L	X	Z
1278	900	60	1250	779	904	90	325	1328	1197	552	486	30.25	13

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

Approx. weight (kg)	171
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AVAILABLE ACCESSORIES

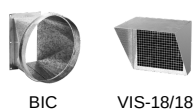
General accessories available



Inlet accessories available

Inlet accessories not available

Outlet accessories available



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