

CJTX-C-18/18-7.5-F-400 IE3

Code: 1028045



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.

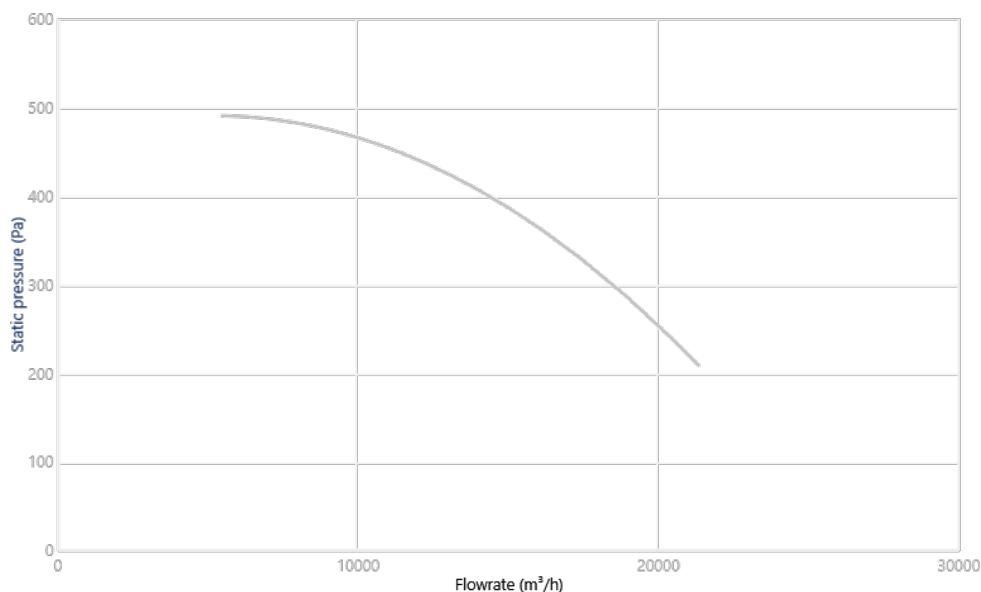
Finish:

- Galvanised steel sheet.

On request:

- Fans with vertical outlet.
- ATEX certification.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

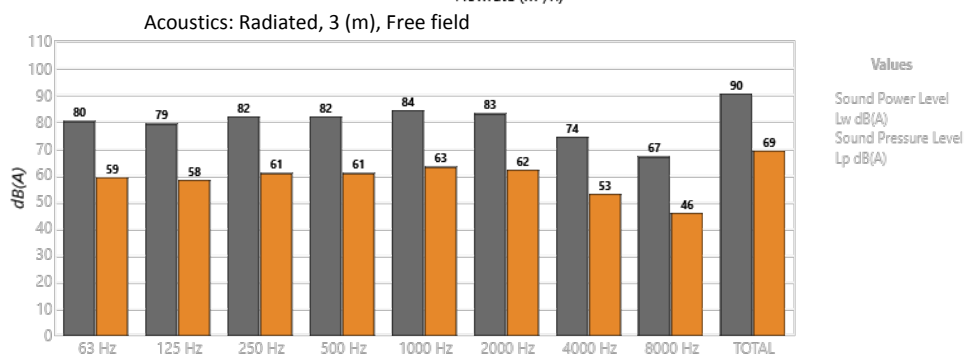


Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

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



Values

Sound Power Level
Lw dB(A)
Sound Pressure Level
Lp dB(A)

Band	Lw dB(A)	Lp dB(A)
63 Hz	80	59
125 Hz	79	58
250 Hz	82	61
500 Hz	82	61
1000 Hz	84	63
2000 Hz	83	62
4000 Hz	74	53
8000 Hz	67	46
TOTAL	90	69

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	21350
Speed (rpm)	850
Maximum static pressure (Pa)	490.2
Maximum total pressure (Pa)	528

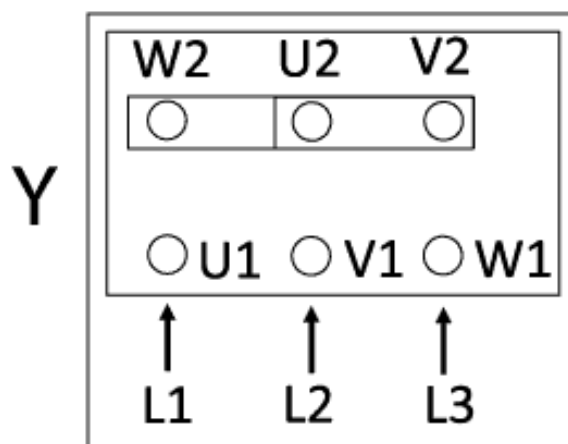
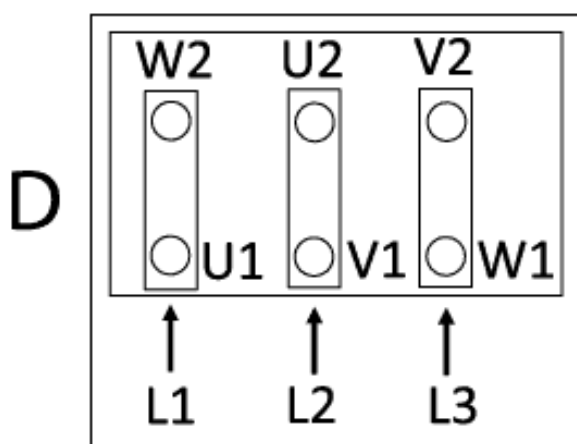
ERP

Brand	SODECA, S.L.U.	Static efficiency of fan according to EU 327/2011 (%)	48.9%
Model	CJTX-C-18/18-7.5-F-400 IE3	Max. internal leakage rate (%)	2.4%
Typology	NRVU / UVU	Filter energy performance	Not applicable
Drive type	Variable speed	Visual filter warning	Not applicable
HRS type	None	Sound power level (LWA) (dBA)	91
Nominal flow rate (m³/s)	3.595	Website	www.sodeca.com
Effective electric power input (kW)	3.119	ErP compliance	2018
SFPint (W/m³/s)	230.00		
Face velocity at design flow rate (m/s)	13.03		
Nominal external pressure (Pa)	425		

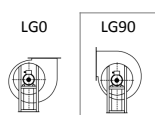
MOTOR DATA

Rated Mechanical Power (kW)	5.5	Max. current (A) 380-415 V D	10.3
Hz/phases	50/3	Max. current (A) 660-725 V Y	5.97
Motor (rpm)	1465	Motor protection	IP55
Poles	4P	Motor frame size	132M

Data can change, please check motor plate



FAN POSITIONS



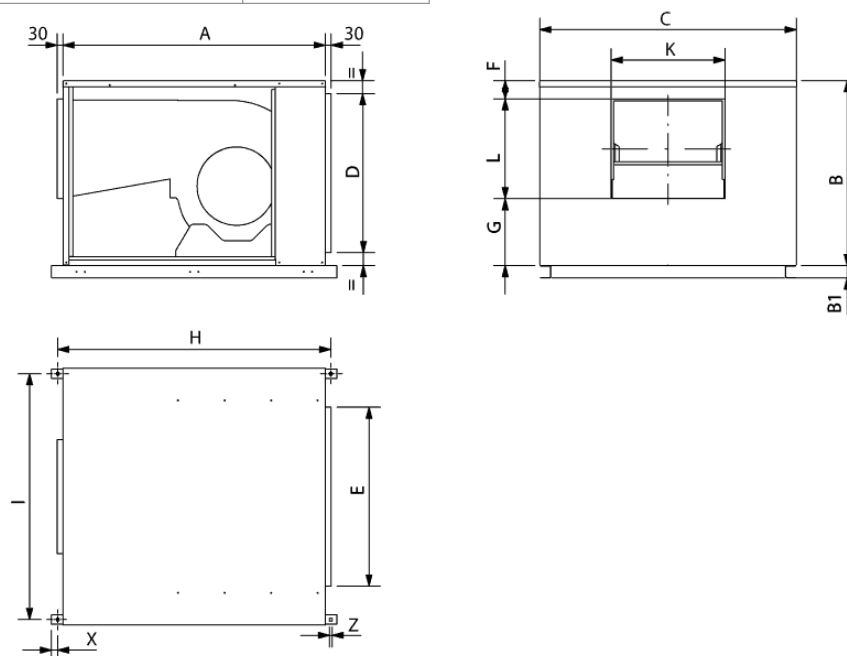
LG90: Standard orientation

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)	211
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AVAILABLE ACCESSORIES

General accessories available



INT-KG-20/3CA



IAT



CABLE BOX



VSD3/A-RFT-7.5



VSD3/A-RFT-7.5-IP66



AET



TEJ



CENTRAL CO

Inlet accessories available

Inlet accessories not available

Outlet accessories available



BIC



VIS-18/18

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