

CJTX-C-9/9-2-F-400 IE3

Code: 1028022



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.

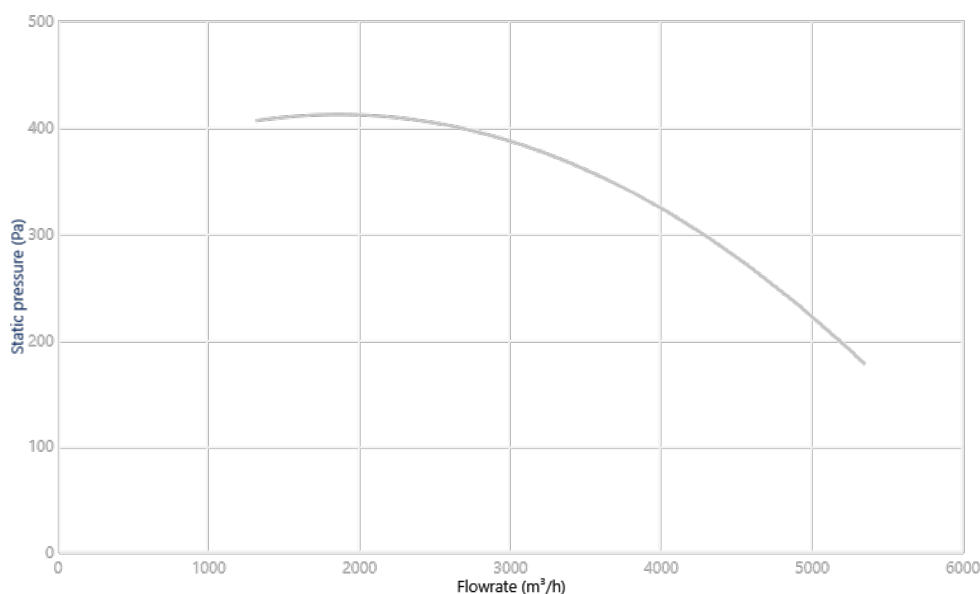
Finish:

- Galvanised steel sheet.

On request:

- Fans with vertical outlet.
- ATEX certification.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



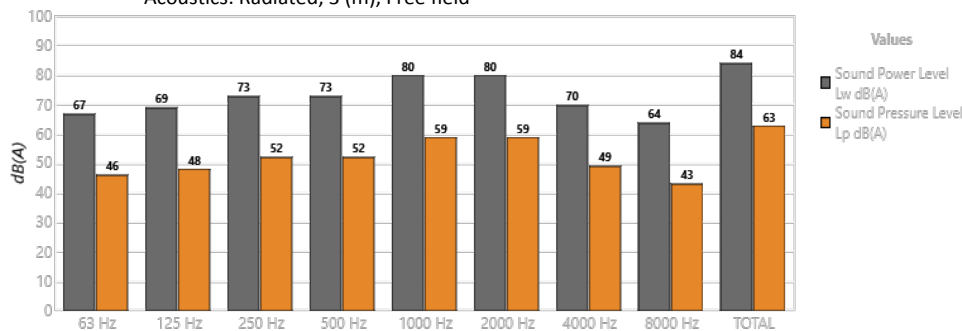
Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

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

Acoustics: Radiated, 3 (m), Free field



Band	Lw dB(A)	Lp dB(A)
63 Hz	67	46
125 Hz	69	48
250 Hz	73	52
500 Hz	73	52
1000 Hz	80	59
2000 Hz	80	59
4000 Hz	70	49
8000 Hz	64	43
TOTAL	84	63

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	5350
Speed (rpm)	1500
Maximum static pressure (Pa)	411.5
Maximum total pressure (Pa)	448.1

ERP

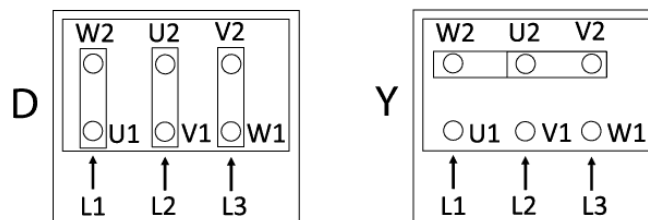
Brand	SODECA, S.L.U.
Model	CITX-C-9/9-2-F-400 IE3
Typology	NRVU / UVU
Drive type	Variable speed
HRS type	None
Nominal flow rate (m³/s)	0.873
Effective electric power input (kW)	0.815
Face velocity at design flow rate (m/s)	10.65
Nominal external pressure (Pa)	380

Static efficiency of fan according to EU 327/2011 (%)	50.1%
Max. external leakage rate (%)	0.2%
Filter energy performance	Not applicable
Visual filter warning	Not applicable
Sound power level (LWA) (dBA)	81
Website	www.sodeca.com
ErP compliance	2018

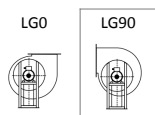
MOTOR DATA

Rated Mechanical Power (kW)	1.5
Hz/phases	50/3
Motor (rpm)	1440
Poles	4P
Max. current (A) 380-415 V Y	3.11
Max. current (A) 220-240 V D	5.41
Motor protection	IP55
Motor frame size	90

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
785	592	-	759	426	454	92	226	812	721	310	270	12	9

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

Approx. weight (kg)	92
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