

JF F400



CIRCULAR AXIAL JET FAN 400°C/2h

MANUFACTURING FEATURES:

The JF models are composed of an axial fan and two silencers.

FAN:

- Axial fan with galvanized steel casing. The connection box is accessible by the side from a removable door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, CERTIFIED 400°C/2h. Standard voltages 400V(Y) 50Hz for 1 speed motors and 400V 50Hz for 2 speed motors.

SILENCERS:

- Casing in galvanized steel. Inner duct made of perforated galvanized steel sheet. The silencers are filled with mineral wool with high acoustic absorption properties, preventing most of the fan noise to be propagated.
- Unidirectional JF F400 UN is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs the air away from the ceiling and obstacles like beams or ducting, sweeping the whole volume of air to the closest extraction point.
- Reversible JF F400 RE is equipped with protection guards on both sides.

APPLICATIONS:

- Conceived for car parkings and large spaces where polluted air, or smoke from an accidental fire, needs to be removed effectively. An optimized design minimizes the height needed for their installation and assures a silent operation.
- Maximum working temperature: 60°C.

Accessories



AVT



INT



INT
400



SFC

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015
Certification Nr: 0370-CPD-1325

Technical data

Three-phase motor

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
274301196	JF 300 T2 RE F400	2780	1,36	0,55	4.150	53	60	1
274300196	JF 300 T2 UN F400	2780	1,36	0,55	4.290	55	60	1
274401196	JF 400 T2 RE F400	2860	2,39	1,10	7.750	63	70	1
274400196	JF 400 T2 UN F400	2860	2,39	1,10	8.060	65	70	1

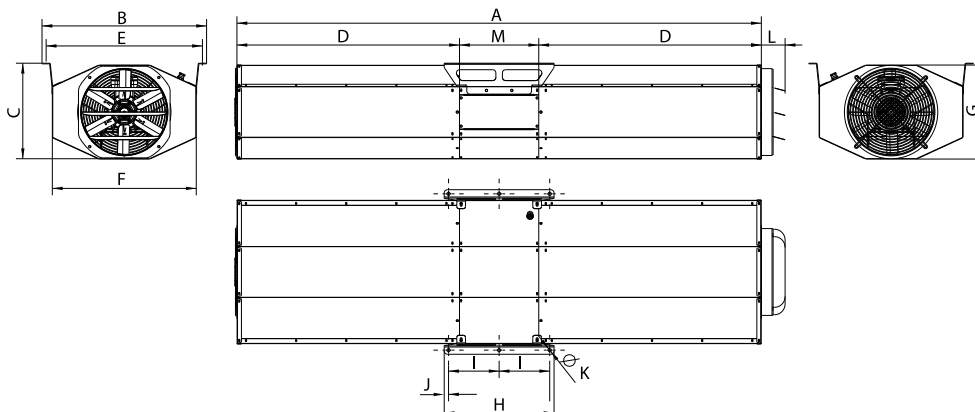
2 speed motor

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
274301296	JF 300 T2/T4 RE F400	2850	1,45/0,47	0,55	4.150	53	60	2
274300296	JF 300 T2/T4 UN F400	2850	1,45/0,47	0,55	4.290	55	60	2
274401296	JF 400 T2/T4 RE F400	2850	2,36/0,59	1,10	7.750	63	70	2
274400296	JF 400 T2/T4 UN F400	2850	2,36/0,59	1,10	8.060	65	70	2

Notes:

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



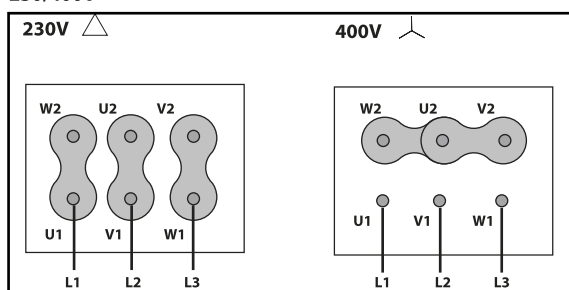
Model	A	B	C	D	E	F	G	H	I
JF 300 T2 RE F400	2415	590	340,5	1025	550	464	334	506	233
JF 300 T2 UN F400	2415	590	340,5	1025	550	464	334	506	233
JF 300 T2/T4 RE F400	2415	590	340,5	1025	550	464	334	506	233
JF 300 T2/T4 UN F400	2415	590	340,5	1025	550	464	334	506	233
JF 400 T2 RE F400	2415	758	440,5	1025	720	664	434	506	233
JF 400 T2 UN F400	2415	758	440,5	1025	720	664	434	506	233
JF 400 T2/T4 RE F400	2415	758	440,5	1025	720	664	434	506	233
JF 400 T2/T4 UN F400	2415	758	440,5	1025	720	664	434	506	233

Model	J	L	M	Thrust (N)	ØK
JF 300 T2 RE F400	20	122	365	21	15
JF 300 T2 UN F400	20	122	365	23	15
JF 300 T2/T4 RE F400	20	122	365	21/5	15
JF 300 T2/T4 UN F400	20	122	365	23/5,5	15
JF 400 T2 RE F400	20	122	365	44	15
JF 400 T2 UN F400	20	122	365	48	15
JF 400 T2/T4 RE F400	20	122	365	44/11	15
JF 400 T2/T4 UN F400	20	122	365	48/12	15

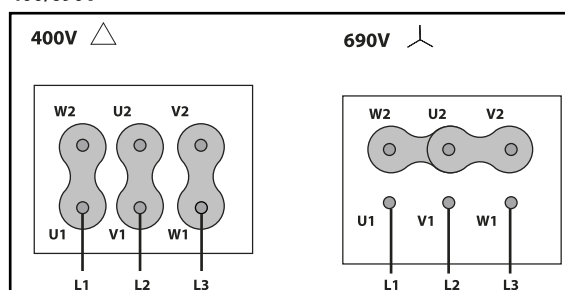
Wiring diagram

Wiring diagram N° 1

230/400V

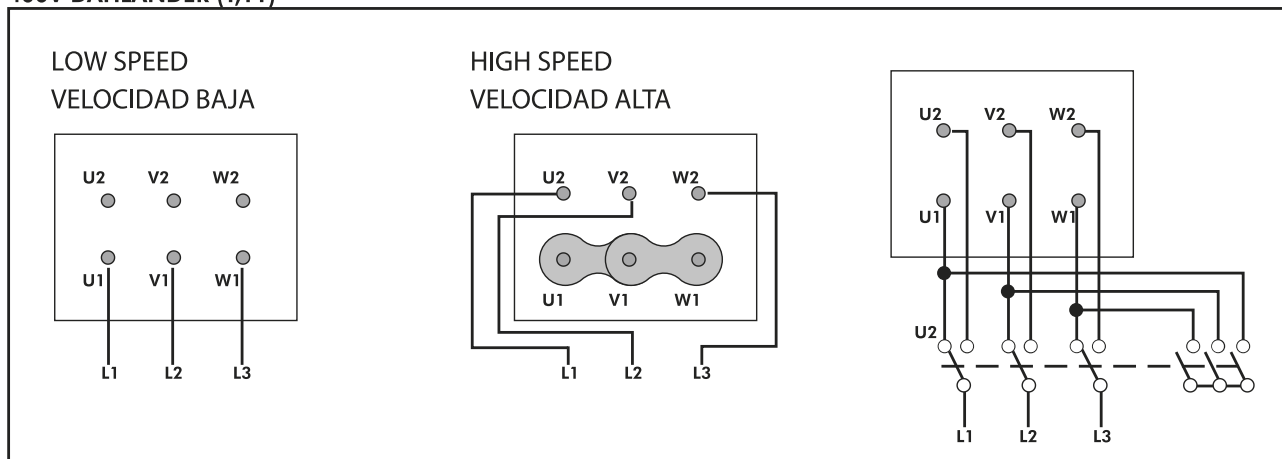


400/690V



Wiring diagram N° 2

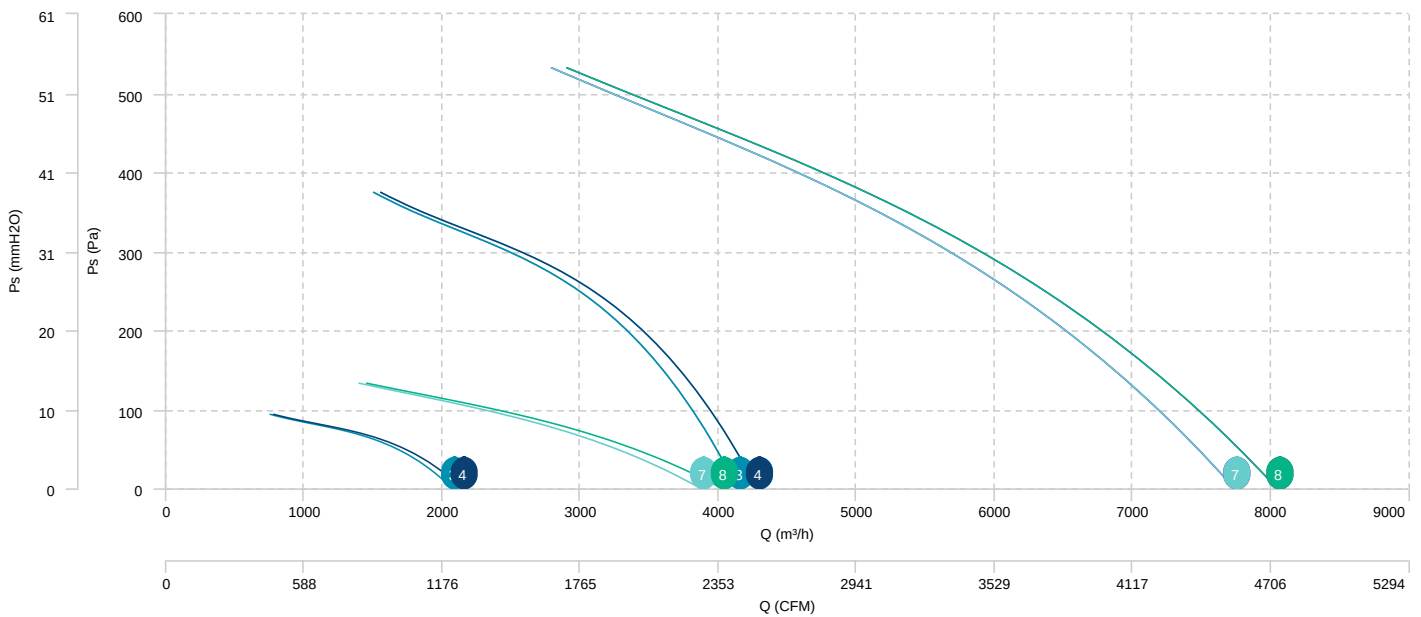
400V DAHLANDER (Y,YY)



CHARACTERISCTIC CURVE

1	JF 300 T2 RE F400	2	JF 300 T2 UN F400	3	JF 300 T2/T4 RE F400	4	JF 300 T2/T4 UN F400
5	JF 400 T2 RE F400	6	JF 400 T2 UN F400	7	JF 400 T2/T4 RE F400	8	JF 400 T2/T4 UN F400

AIR FLOW - PRESSURE



Sound data

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
JF 300 T2 RE F400	Inlet	73	71	69	71	69	69	71	67	79
JF 300 T2 UN F400	Inlet	75	73	71	73	71	71	73	69	81
JF 400 T2 RE F400	Inlet	85	81	80	77	77	77	78	73	89
JF 400 T2 UN F400	Inlet	87	83	82	79	79	79	80	75	91
JF 400 T2/T4 RE F400 (1454)	Inlet	85	81	80	77	77	77	78	73	89
JF 400 T2/T4 UN F400 (1454)	Inlet	87	83	82	79	79	79	80	75	91

Notes:

* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw \text{ dB(A)}_{rpmA} = Lw \text{ dB(A)}_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$