

## JF F400



### JET FAN F400-120

#### 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 230/400V 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.
- Reversible JF F400 RE is equipped with deflectors on both sides. 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.

## Accessories



CPM



INT



INT 400



SFC

#### 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.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2002, EN 12101-3:2002/AC:2005  
 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	Connect. diagram
-	JF 300 T2 RE F400	2870	0,81	0,55	3.715	53	60	1
-	JF 300 T2 UN F400	2870	0,81	0,55	3.910	52	60	1
-	JF 400 T2 RE F400	2865	2,39	1,10	6.840	63	70	1
-	JF 400 T2 UN F400	2865	2,39	1,10	7.200	65	70	1

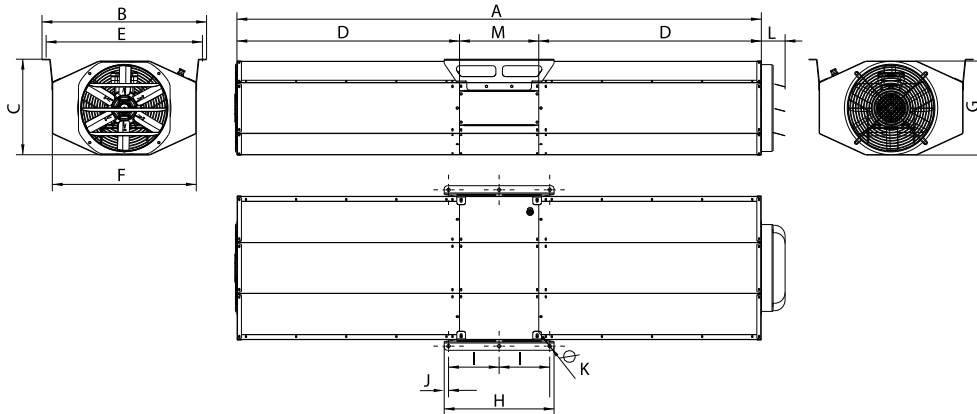
### 2 SPEED MOTOR

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
-	JF 300 T2/T4 RE F400	2805	0,87/2	0.55/0.12	3.715	-	60	2
-	JF 300 T2/T4 UN F400	2805	0,87/2	0.55/0.12	3.910	-	60	2
-	JF 400 T2/T4 RE F400	2850	2,36/0,27	1.1/0.18	6.840	51	70	2
-	JF 400 T2/T4 UN F400	2850	2,36/0,27	1.1/0.18	7.200	43	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	ØK
JF 300 T2 RE F400	20	122	365	15
JF 300 T2 UN F400	20	122	365	15
JF 300 T2/T4 RE F400	20	122	365	15
JF 300 T2/T4 UN F400	20	122	365	15
JF 400 T2 RE F400	20	122	365	15
JF 400 T2 UN F400	20	122	365	15
JF 400 T2/T4 RE F400	20	122	365	15
JF 400 T2/T4 UN F400	20	122	365	15

## Wiring diagram

DIAGRAM Nº 1

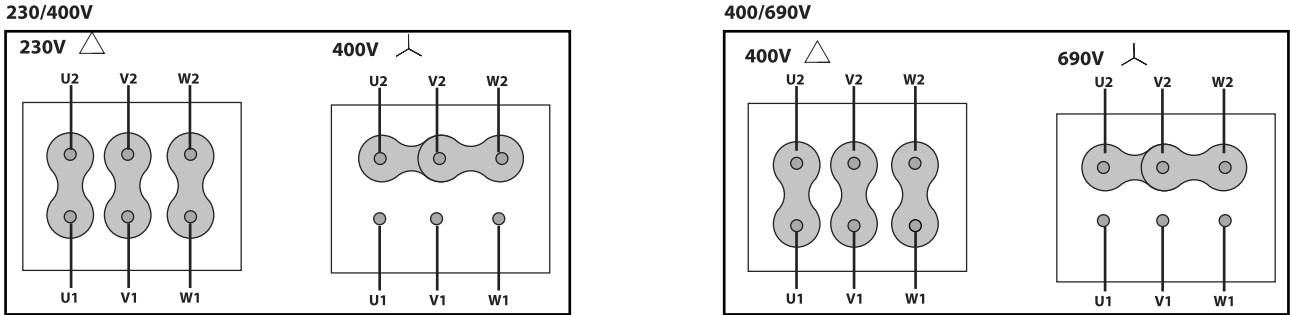
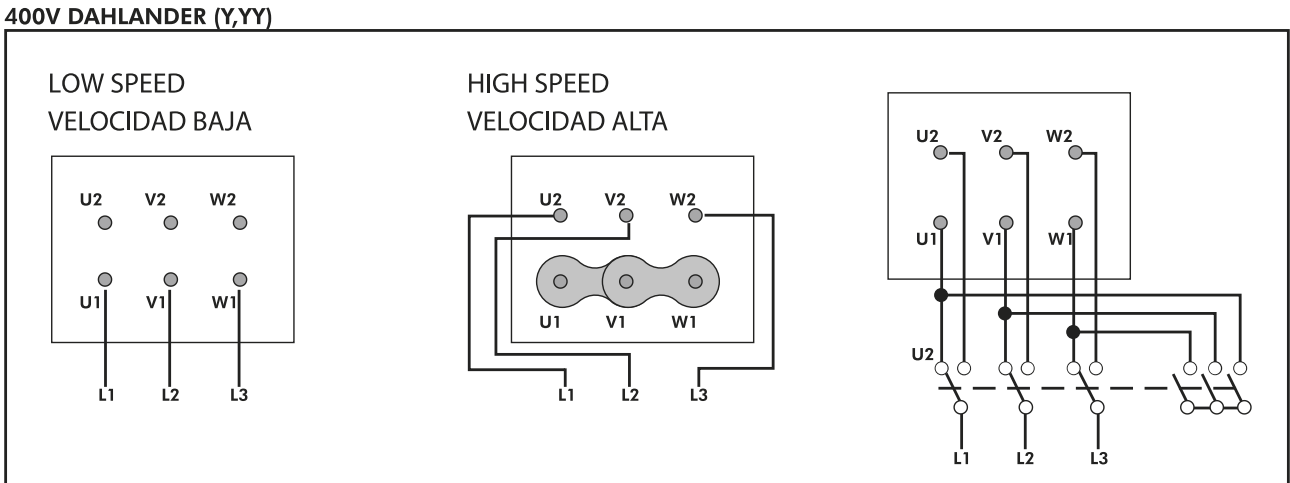


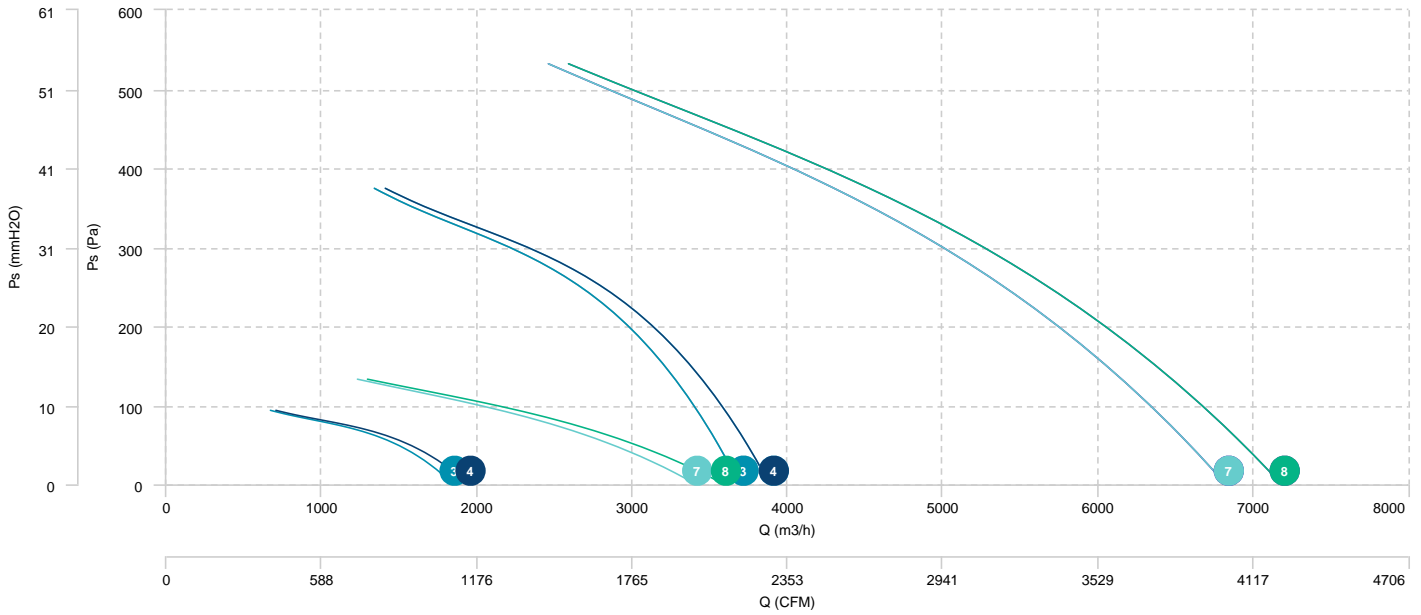
DIAGRAM Nº 2



## CHARACTERISTIC 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	74	73	71	71	73	69	81
JF 300 T2/T4 RE F400 (2805 RPM)	Inlet	58	67	83	72	74	75	71	65	85
JF 300 T2/T4 UN F400 (2805 RPM)	Inlet	58	64	74	66	69	70	67	62	78
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 RPM)	Inlet	52	60	76	64	66	65	60	53	77
JF 400 T2/T4 UN F400 (1454 RPM)	Inlet	51	57	67	58	60	60	56	50	69

**Notes:**

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

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