SYBILO F400

ACCESSORIES

INT

CPM

INT 400

CENTRIFUGAL JET FAN

MANUFACTURING FEATURES

Centrifugal powerful jet fan with low profile conceived for car parkings, working inside
the hazardous area and remove wide air volume.
It is 400ºC/2h and 300ºC/2h.

FAN

- Galvanized steel sheet casing.
- Strong backward impeller made of strong galvanized steel sheet.
- External wiring box.
- Inlet protection.
- Feet included.

MOTOR

- Class H insulation, S1 continuous use and S2 emergency use, with bearing balls,
IP-55 protection, 2 speeds.
- 400V 4/8 poles Dalhander three phase motor.
- Maximum working temperature:
- S1 -> -20ºC +40ºC.
- S2 -> 300ºC / 2h.

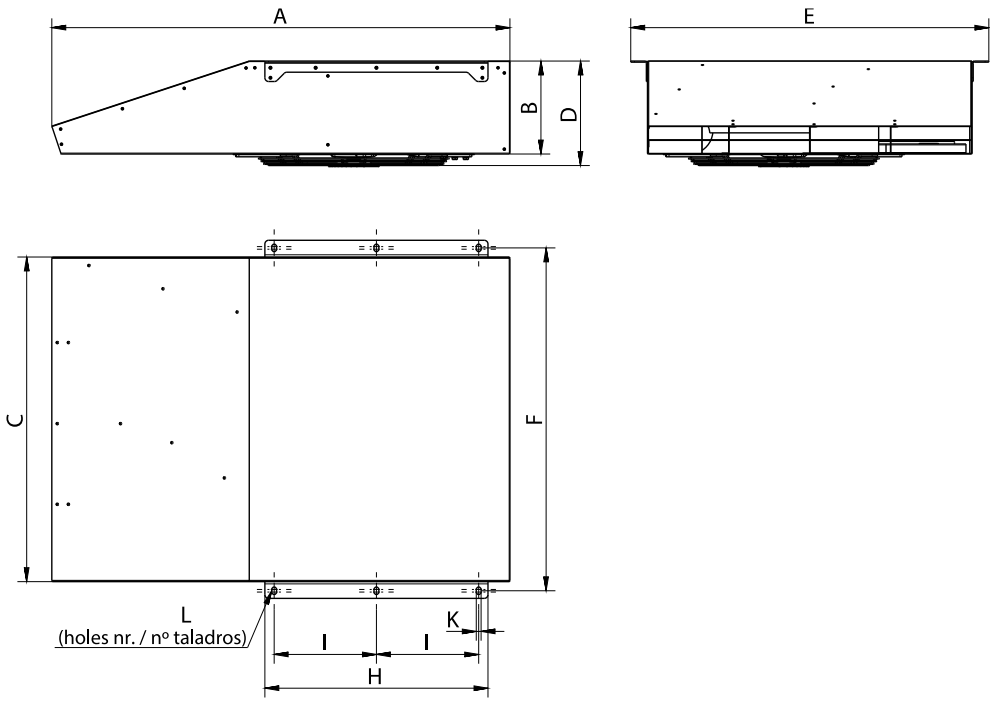
TECHNICAL DATA

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
275500196	SYBILO 50N F400	1420/700	3/7,74	1,1/ 0,18	5.800	67	83	1
275750196	SYBILO 75N F400	1430/705	5,3/1,2	2,2/ 0,37	8.280	68	130	1
275100196	SYBILO 100N F400	1430/705	5,3/1,2	2,2/ 0,37	9.200	69	130	1

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 DIAGRAM



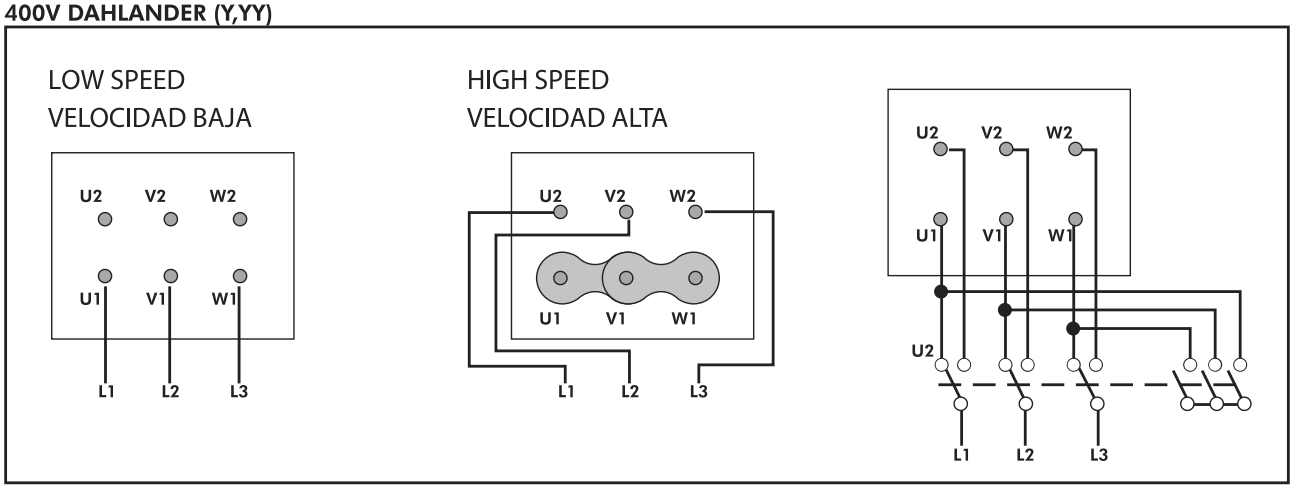
Model	A	B	C	D	E	F	H	I	K
SYBILO 50N F400	1230	250	870	281	963	922	600	275	13
SYBILO 75N F400	1600	300	1000	351,5	1093	1052	800	250	13
SYBILO 100N F400	1600	300	1000	351,5	1093	1052	800	250	13

Model	L
SYBILO 50N F400	3
SYBILO 75N F400	4
SYBILO 100N F400	4

WIRING DIAGRAM

DIAGRAM Nº 1

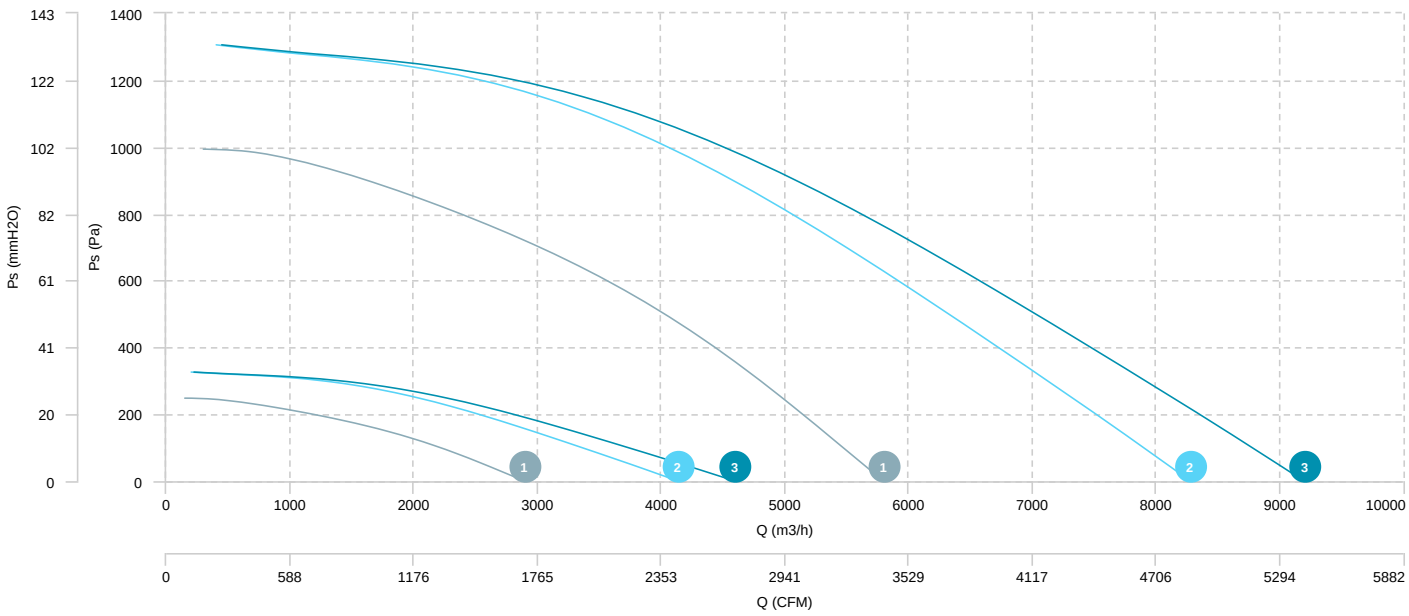
400V DAHLANDER (Y,YY)



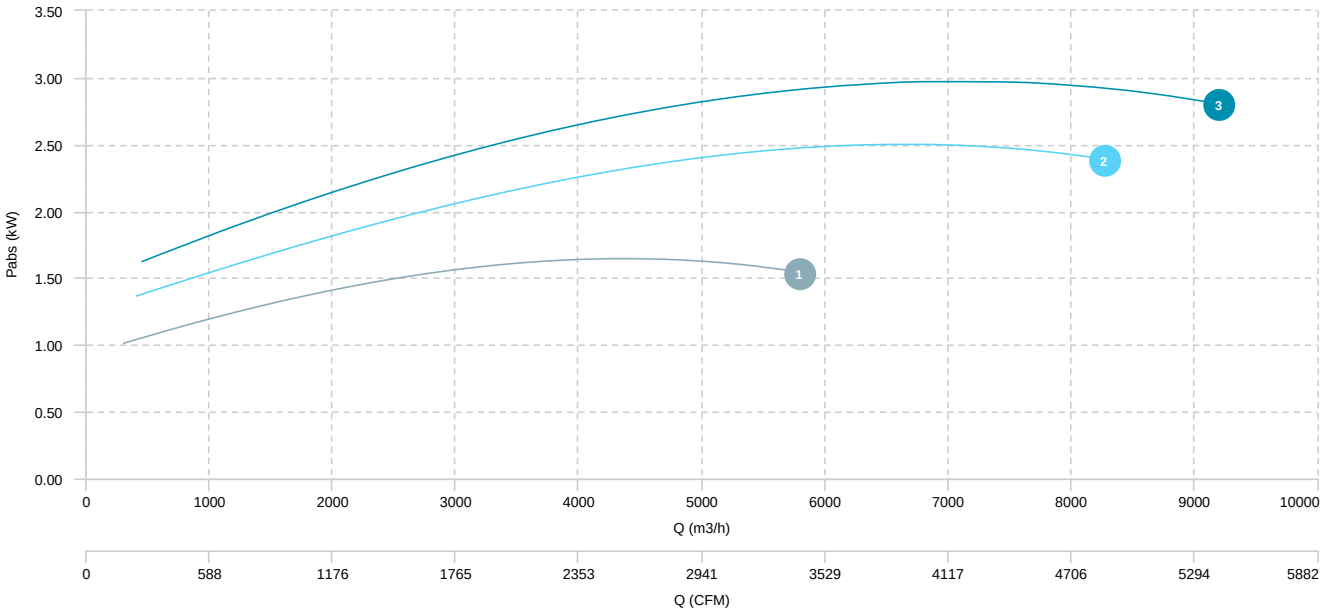
CHARACTERISCTIC CURVE

1	SYBILO 50N F400
2	SYBILO 75N F400
3	SYBILO 100N F400

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



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**
SYBILO 50N F400 (1420 RPM)	Inlet	61	79	84	87	87	85	80	73	93
SYBILO 75N F400 (1430 RPM)	Inlet	63	83	85	87	89	85	80	73	94
SYBILO 100N F400 (1430 RPM)	Inlet	65	83	87	90	91	87	81	74	95

Notes:

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

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