

JFC CORE F300



LONG CASE AXIAL FAN 300°C/2H

MANUFACTURING FEATURES:

- Long case axial fan with reinforced body.
- Modular motor-impeller assembly. Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
- Housing with motor access door for easy connection.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 300°C/2h. Manufactured with standard voltages: 400V(Y) 50Hz) for 1 speed motors and 400V 50Hz for 2 speed motors.

APPLICATIONS:

Designed for inline installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST:

- Supply impeller (air direction from impeller to motor).
- 100% reversible impeller.

Accessories



AC



AVT



BA-400



BAD



INT



INT
400



PO



RP



SIL-C /
SIL-CN

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
274300188F3	JFC CORE 315 T2 UN F300	2780	1,36	0,55	4.500	55	23	1
274310188F3	JFC CORE 315/H T2 UN F300	2860	2,39	1,10	5.430	58	25	1
274350188F3	JFC CORE 355 T2 UN F300	2780	1,36	0,55	5.240	60	29	1
274360188F3	JFC CORE 355/H T2 UN F300	2860	2,39	1,10	6.910	58	31	1
274400188F3	JFC CORE 400 T2 UN F300	2860	2,39	1,10	8.470	63	47	1
274410188F3	JFC CORE 400/H T2 UN F300	2825	3,14	1,50	9.330	65	54	1

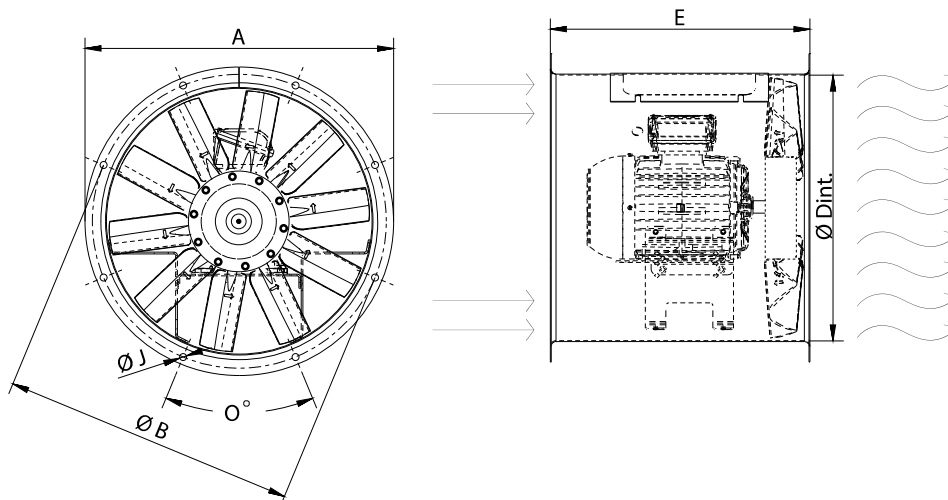
2 speed motor

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
274300288F3	JFC CORE 315 T2/T4 UN F300	2850	1,45/0,47	0,55	4.500	55	23	2
274310288F3	JFC CORE 315/H T2/T4 UN F300	2850	2,36/0,59	1,10	5.430	58	25	2
274350288F3	JFC CORE 355 T2/T4 UN F300	2850	1,45/0,47	0,55	5.240	60	29	2
274360288F3	JFC CORE 355/H T2/T4 UN F300	2850	2,36/0,59	1,10	6.910	58	31	2
274400288F3	JFC CORE 400 T2/T4 UN F300	2850	2,36/0,59	1,10	8.470	63	47	2
274410288F3	JFC CORE 400/H T2/T4 UN F300	2880	3,45/1,14	1,50	9.330	65	54	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

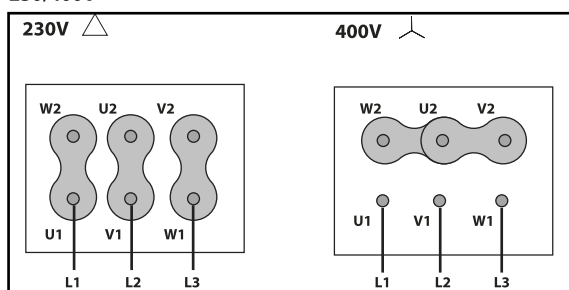


Model	A	E	J	O	ØB	ØD
JFC CORE 315 T2 UN F300	374	380	10	8x45°	355	306
JFC CORE 315 T2/T4 UN F300	374	380	10	8x45°	355	306
JFC CORE 315/H T2 UN F300	374	380	10	8x45°	355	306
JFC CORE 315/H T2/T4 UN F300	374	380	10	8x45°	355	306
JFC CORE 355 T2 UN F300	434	380	10	8x45°	395	361
JFC CORE 355 T2/T4 UN F300	434	380	10	8x45°	395	361
JFC CORE 355/H T2 UN F300	434	380	10	8x45°	395	361
JFC CORE 355/H T2/T4 UN F300	434	380	10	8x45°	395	361
JFC CORE 400 T2 UN F300	472	425	12	8x45°	450	401
JFC CORE 400 T2/T4 UN F300	472	425	12	8x45°	450	401
JFC CORE 400/H T2 UN F300	472	425	12	8x45°	450	401
JFC CORE 400/H T2/T4 UN F300	472	425	12	8x45°	450	401

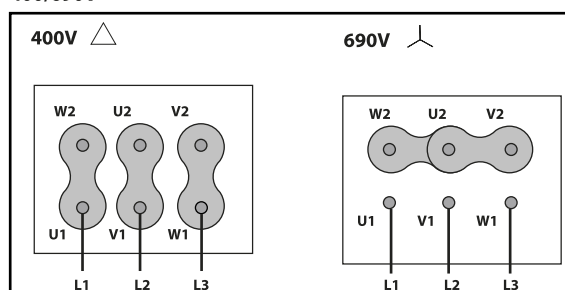
Wiring diagram

Wiring diagram N° 1

230/400V

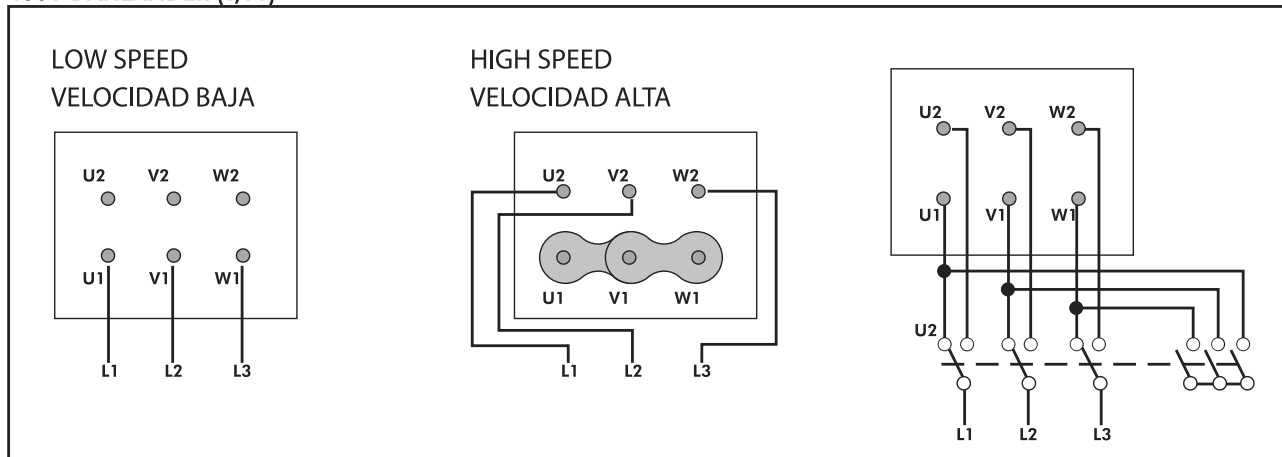


400/690V



Wiring diagram N° 2

400V DAHLANDER (Y,YY)



CHARACTERISCTIC CURVE

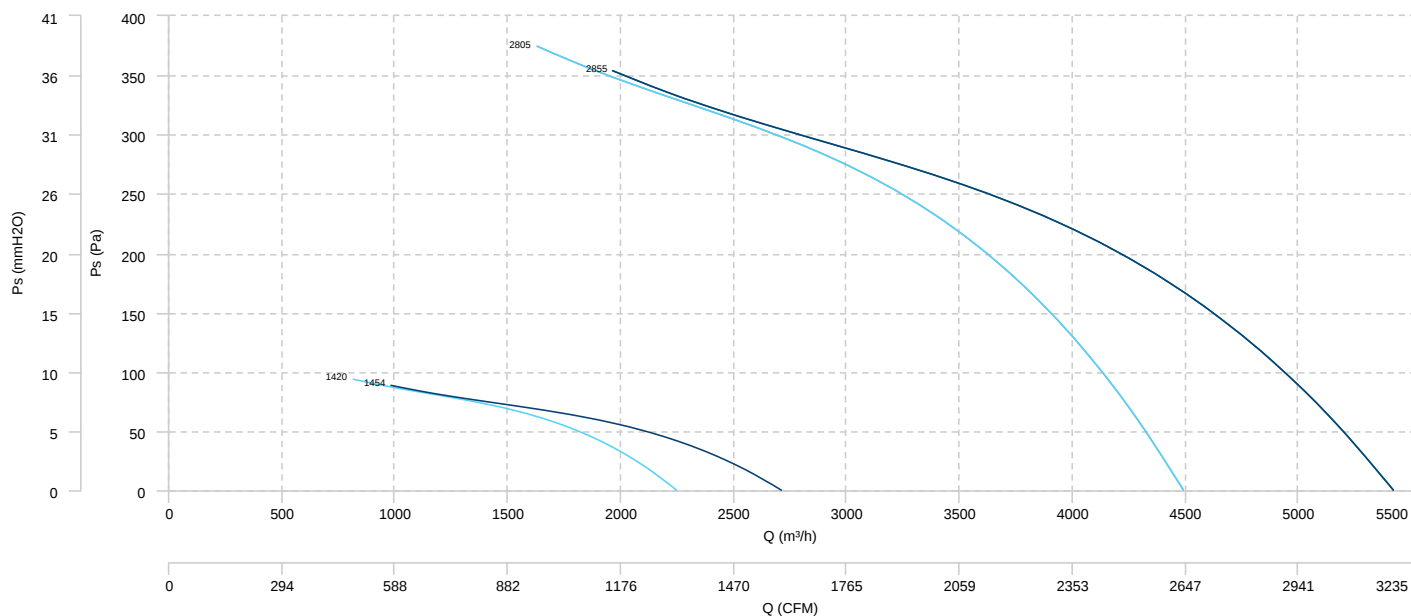
JFC CORE 315 T2 UN F300

JFC CORE 315 T2/T4 UN
F300

JFC CORE 315/H T2 UN
F300

JFC CORE 315/H T2/T4 UN
F300

AIR FLOW - PRESSURE



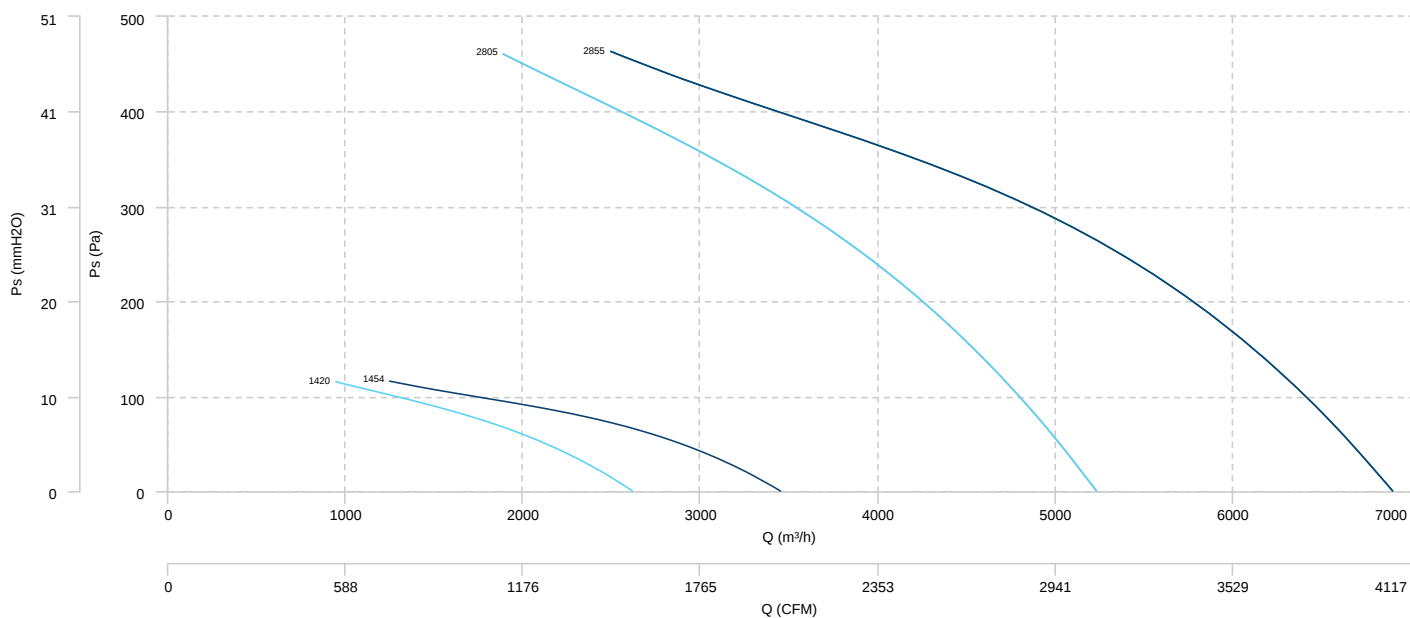
JFC CORE 355 T2 UN F300

JFC CORE 355 T2/T4 UN
F300

JFC CORE 355/H T2 UN
F300

JFC CORE 355/H T2/T4 UN
F300

AIR FLOW - PRESSURE



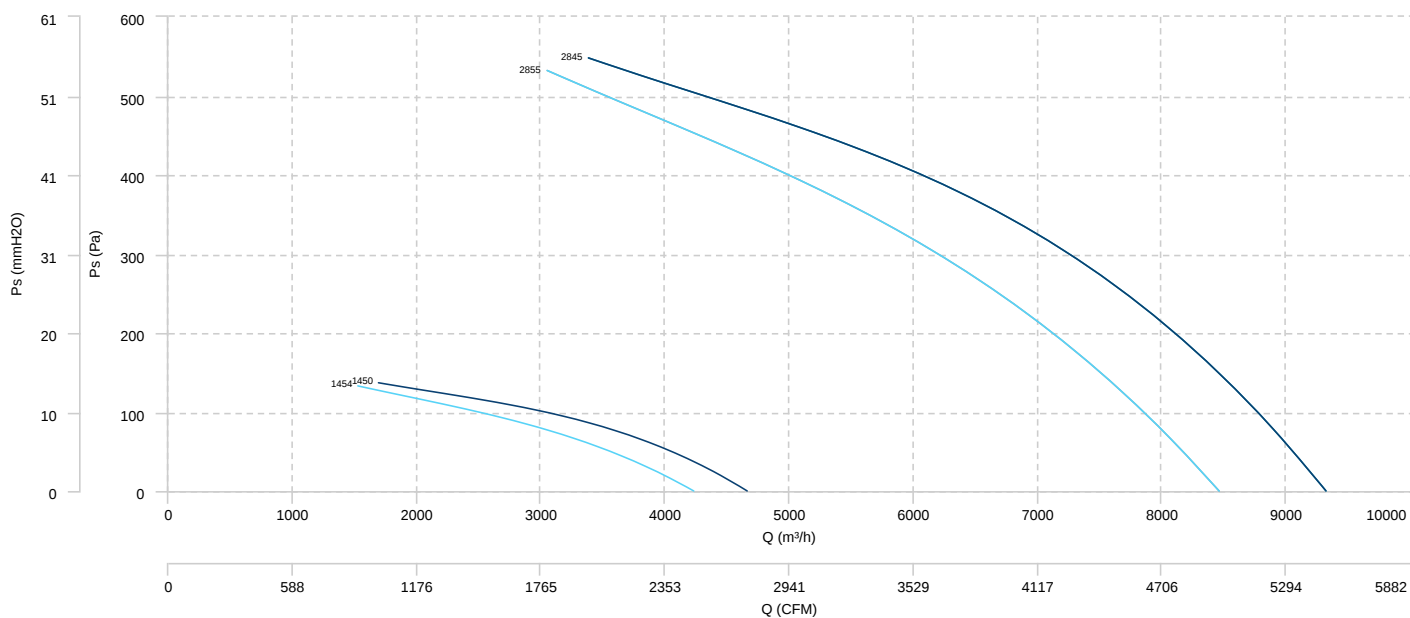
JFC CORE 400 T2 UN F300

JFC CORE 400 T2/T4 UN
F300

JFC CORE 400/H T2 UN
F300

JFC CORE 400/H T2/T4 UN
F300

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
JFC CORE 315 T2 UN F300	Inlet	75	73	71	73	71	71	73	69	81
JFC CORE 315 T2/T4 UN F300 (1420)	Inlet	59	57	55	57	55	56	57	53	65
JFC CORE 315/H T2 UN F300	Inlet	78	76	76	74	74	73	74	70	84
JFC CORE 315/H T2/T4 UN F300 (1454)	Inlet	62	61	60	59	58	57	58	54	68
JFC CORE 355 T2 UN F300	Inlet	80	78	77	78	76	75	76	74	86
JFC CORE 355 T2/T4 UN F300 (1420)	Inlet	64	62	61	62	60	59	60	58	70
JFC CORE 355/H T2 UN F300	Inlet	79	77	75	74	73	73	74	71	84
JFC CORE 355/H T2/T4 UN F300 (1454)	Inlet	63	61	60	59	57	57	58	55	68
JFC CORE 400 T2 UN F300	Inlet	85	81	80	77	77	77	78	73	89
JFC CORE 400 T2/T4 UN F300 (1454)	Inlet	69	65	64	62	61	61	62	57	73
JFC CORE 400/H T2 UN F300	Inlet	87	83	82	79	79	79	80	75	91
JFC CORE 400/H T2/T4 UN F300 (1450)	Inlet	71	67	66	64	63	63	64	59	75

Notes:

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

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