

JFC F300



CIRCULAR AXIAL JET FAN 300°C/2h

MANUFACTURING FEATURES:

The JFC F300 models are composed of an axial fan and two silencers.

FAN:

- Axial fan with reinforced tubular casing, made of steel sheet. 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 300°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 JFC F300 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 JFC F300 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.

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

Accessories



AVT



INT



**INT
400**

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
274301198F3	JFC 315 T2 RE F300	2780	1,36	0,55	4.370	53	95	1
274300198F3	JFC 315 T2 UN F300	2780	1,36	0,55	4.500	55	91	1
274311198F3	JFC 315/H T2 RE F300	2860	2,39	1,10	4.750	56	97	1
274310198F3	JFC 315/H T2 UN F300	2860	2,39	1,10	5.430	58	93	1
274351198F3	JFC 355 T2 RE F300	2780	1,36	0,55	5.510	58	101	1
274350198F3	JFC 355 T2 UN F300	2780	1,36	0,55	5.240	60	99	1
274361198F3	JFC 355/H T2 RE F300	2860	2,39	1,10	6.830	56	103	1
274360198F3	JFC 355/H T2 UN F300	2860	2,39	1,10	6.910	58	101	1
274401198F3	JFC 400 T2 RE F300	2860	2,39	1,10	8.170	61	125	1
274400198F3	JFC 400 T2 UN F300	2860	2,39	1,10	8.470	63	121	1
274411198F3	JFC 400/H T2 RE F300	2825	3,14	1,50	9.200	63	128	1
274410198F3	JFC 400/H T2 UN F300	2825	3,14	1,50	9.330	65	128	1

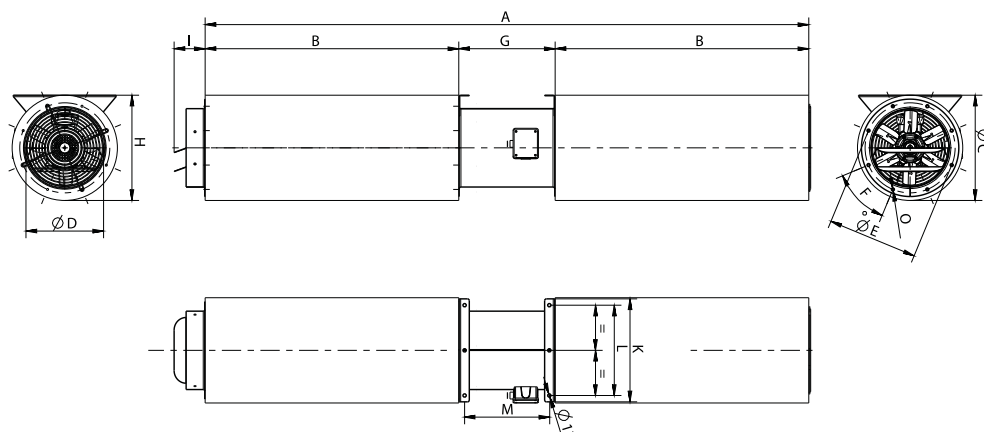
2 speed motor

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
274301298F3	JFC 315 T2/T4 RE F300	2850	1,45/0,47	0,55	4.370	53	95	2
274300298F3	JFC 315 T2/T4 UN F300	2850	1,45/0,47	0,55	4.500	55	91	2
274311298F3	JFC 315/H T2/T4 RE F300	2850	2,36/0,59	1,10	4.750	56	97	2
274310298F3	JFC 315/H T2/T4 UN F300	2850	2,36/0,59	1,10	5.430	58	93	2
274351298F3	JFC 355 T2/T4 RE F300	2850	1,45/0,47	0,55	5.510	58	101	2
274350298F3	JFC 355 T2/T4 UN F300	2850	1,45/0,47	0,55	5.240	60	99	2
274361298F3	JFC 355/H T2/T4 RE F300	2850	2,36/0,59	1,10	6.830	56	103	2
274360298F3	JFC 355/H T2/T4 UN F300	2850	2,36/0,59	1,10	6.910	58	101	2
274401298F3	JFC 400 T2/T4 RE F300	2850	2,36/0,59	1,10	8.170	61	125	2
274400298F3	JFC 400 T2/T4 UN F300	2850	2,36/0,59	1,10	8.470	63	121	2
274411298F3	JFC 400/H T2/T4 RE F300	2880	3,45/1,14	1,50	9.200	63	128	2
274410298F3	JFC 400/H T2/T4 UN F300	2880	3,45/1,14	1,50	9.330	65	128	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



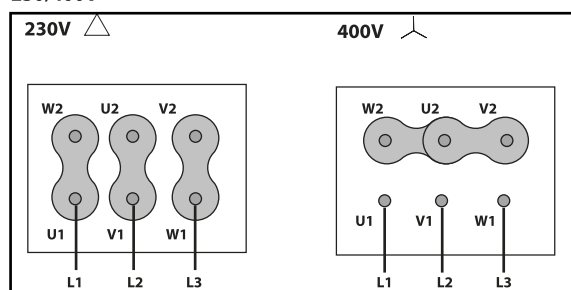
Model	A	B	F	G	H	I	K	L	M
JFC 315 T2 RE F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315 T2 UN F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315 T2/T4 RE F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315 T2/T4 UN F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315/H T2 RE F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315/H T2 UN F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315/H T2/T4 RE F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 315/H T2/T4 UN F300	1788,5	720	8x45°	348,5	415	122	406	356	301
JFC 355 T2 RE F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355 T2 UN F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355 T2/T4 RE F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355 T2/T4 UN F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355/H T2 RE F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355/H T2 UN F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355/H T2/T4 RE F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 355/H T2/T4 UN F300	1833,5	720	8x45°	393,5	455	122	461	411	345,5
JFC 400 T2 RE F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400 T2 UN F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400 T2/T4 RE F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400 T2/T4 UN F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400/H T2 RE F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400/H T2 UN F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400/H T2/T4 RE F300	1880	720	8x45°	440	500	122	506	456	392
JFC 400/H T2/T4 UN F300	1880	720	8x45°	440	500	122	506	456	392

Model	O	Thrust (N)	ØC	ØD	ØE
JFC 315 T2 RE F300	M8	23	415	306	355
JFC 315 T2 UN F300	M8	25	415	306	355
JFC 315 T2/T4 RE F300	M8	23/5,5	415	306	355
JFC 315 T2/T4 UN F300	M8	25/6	415	306	355
JFC 315/H T2 RE F300	M8	28	415	306	355
JFC 315/H T2 UN F300	M8	36	415	306	355
JFC 315/H T2/T4 RE F300	M8	28/7	415	306	355
JFC 315/H T2/T4 UN F300	M8	36/8	415	306	355
JFC 355 T2 RE F300	M8	28	455	361	395
JFC 355 T2 UN F300	M8	26	455	361	395
JFC 355 T2/T4 RE F300	M8	28/7	455	361	395
JFC 355 T2/T4 UN F300	M8	26/6	455	361	395
JFC 355/H T2 RE F300	M8	44	455	361	395
JFC 355/H T2 UN F300	M8	45	455	361	395
JFC 355/H T2/T4 RE F300	M8	44/11	455	361	395
JFC 355/H T2/T4 UN F300	M8	45/11	455	361	395
JFC 400 T2 RE F300	M10	49	500	401	450
JFC 400 T2 UN F300	M10	53	500	401	450
JFC 400 T2/T4 RE F300	M10	49/12	500	401	450
JFC 400 T2/T4 UN F300	M10	53/13	500	401	450
JFC 400/H T2 RE F300	M10	62	500	401	450
JFC 400/H T2 UN F300	M10	64	500	401	450
JFC 400/H T2/T4 RE F300	M10	62/16	500	401	450
JFC 400/H T2/T4 UN F300	M10	64/16	500	401	450

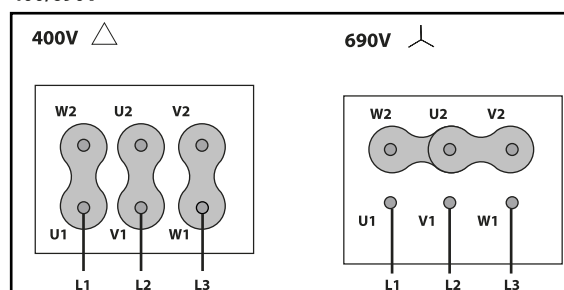
Wiring diagram

Wiring diagram N° 1

230/400V

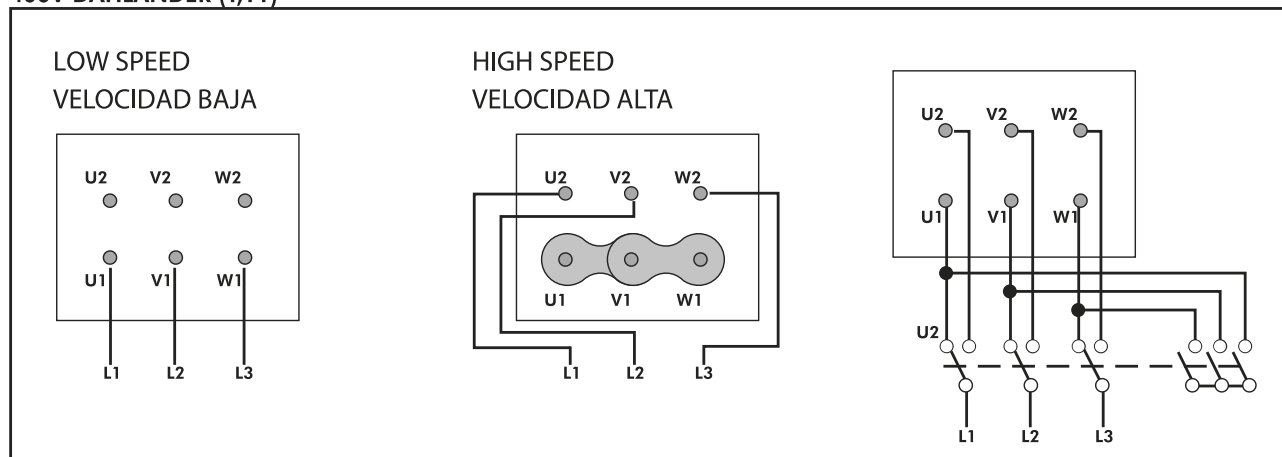


400/690V



Wiring diagram N° 2

400V DAHLANDER (Y,YY)



CHARACTERISCTIC CURVE

JFC 315 T2 RE F300

JFC 315 T2 UN F300

JFC 315 T2/T4 RE F300

JFC 315 T2/T4 UN F300

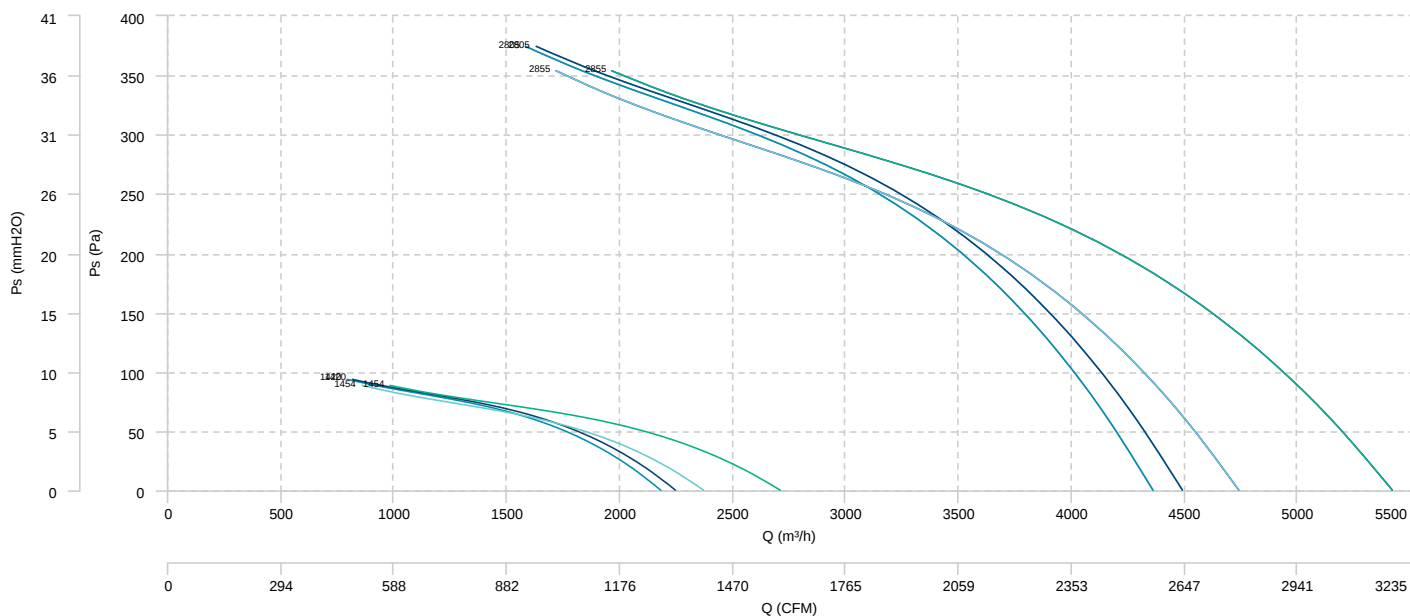
JFC 315/H T2 RE F300

JFC 315/H T2 UN F300

JFC 315/H T2/T4 RE F300

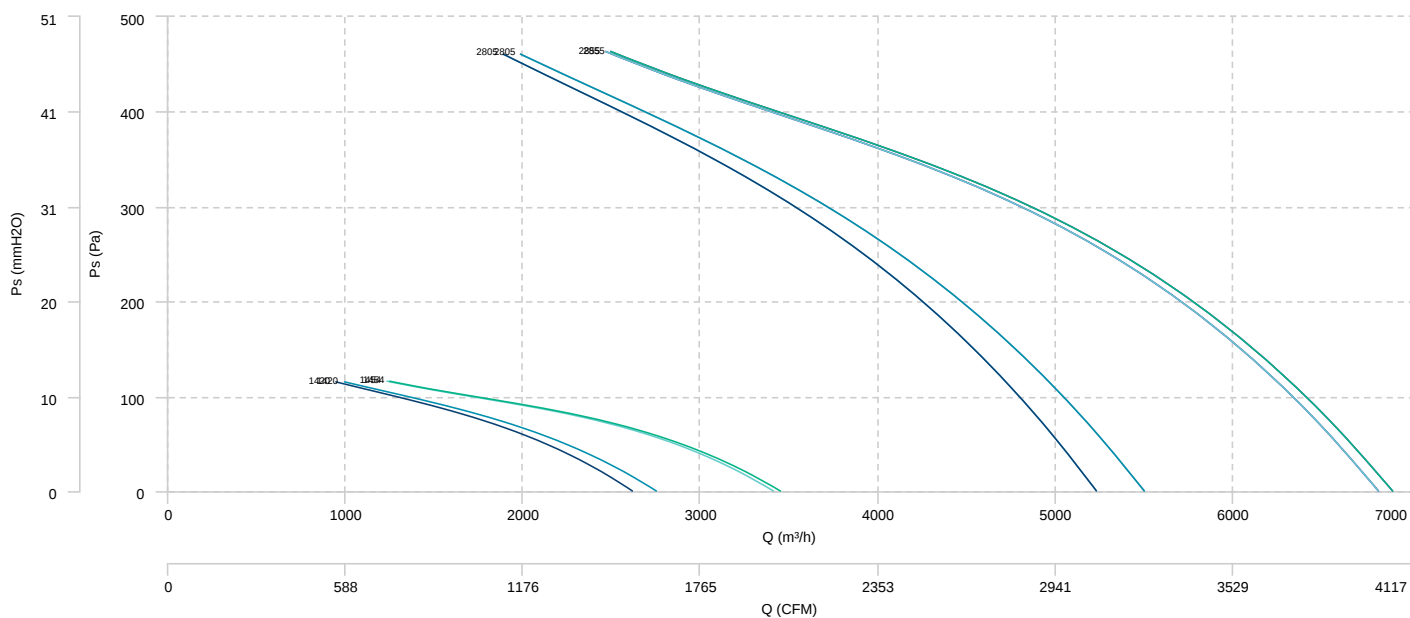
JFC 315/H T2/T4 UN F300

AIR FLOW - PRESSURE



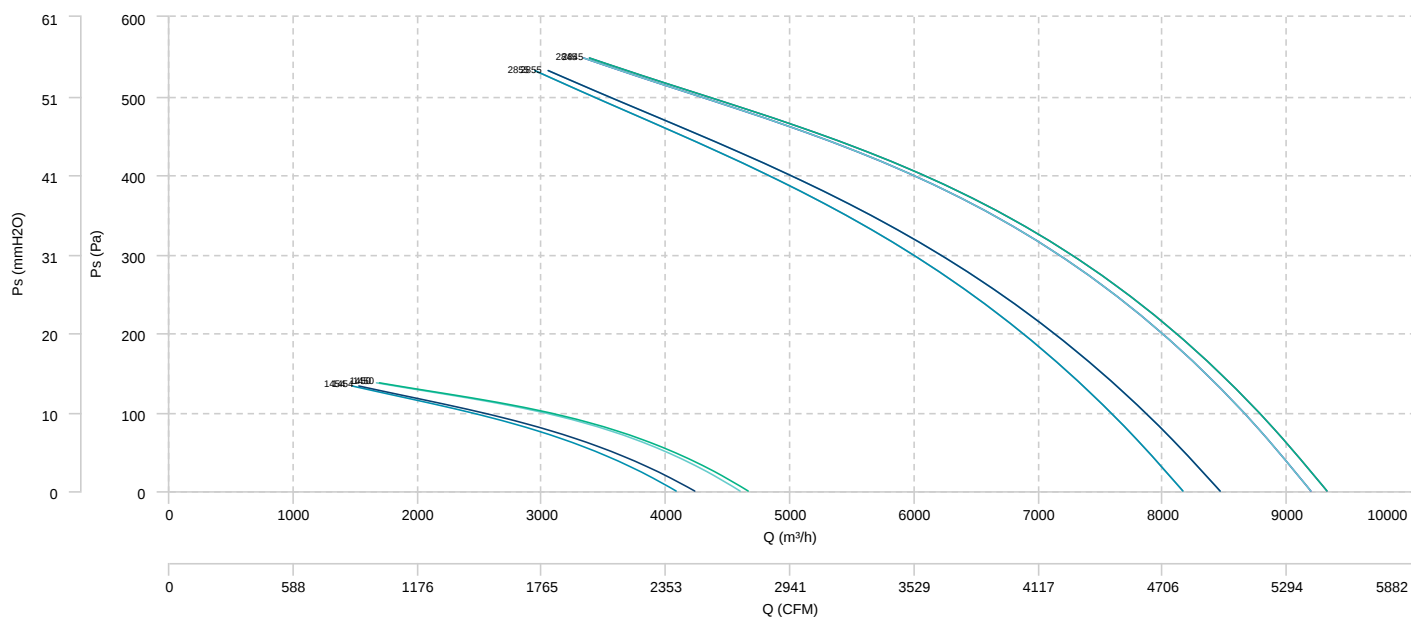
JFC 355 T2 RE F300	JFC 355 T2 UN F300	JFC 355 T2/T4 RE F300	JFC 355 T2/T4 UN F300
JFC 355/H T2 RE F300	JFC 355/H T2 UN F300	JFC 355/H T2/T4 RE F300	JFC 355/H T2/T4 UN F300

AIR FLOW - PRESSURE



JFC 400 T2 RE F300	JFC 400 T2 UN F300	JFC 400 T2/T4 RE F300	JFC 400 T2/T4 UN F300
JFC 400/H T2 RE F300	JFC 400/H T2 UN F300	JFC 400/H T2/T4 RE F300	JFC 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 315 T2 RE F300	Inlet	73	71	69	71	69	69	71	67	79
JFC 315 T2 UN F300	Inlet	75	73	71	73	71	71	73	69	81
JFC 315 T2/T4 RE F300 (1420)	Inlet	57	55	53	55	53	54	55	51	63
JFC 315 T2/T4 UN F300 (1420)	Inlet	59	57	55	57	55	56	57	53	65
JFC 315/H T2 RE F300	Inlet	76	74	74	72	72	71	72	68	82
JFC 315/H T2 UN F300	Inlet	78	76	76	74	74	73	74	70	84
JFC 315/H T2/T4 RE F300 (1454)	Inlet	60	59	58	57	56	55	56	52	66
JFC 315/H T2/T4 UN F300 (1454)	Inlet	62	61	60	59	58	57	58	54	68
JFC 355 T2 RE F300	Inlet	78	76	75	76	74	73	74	72	84
JFC 355 T2 UN F300	Inlet	80	78	77	78	76	75	76	74	86
JFC 355 T2/T4 RE F300 (1420)	Inlet	62	60	59	60	58	57	58	56	68
JFC 355 T2/T4 UN F300 (1420)	Inlet	64	62	61	62	60	59	60	58	70
JFC 355/H T2 RE F300	Inlet	77	75	73	72	71	71	72	69	82
JFC 355/H T2 UN F300	Inlet	79	77	75	74	73	73	74	71	84
JFC 355/H T2/T4 RE F300 (1454)	Inlet	61	59	58	57	55	55	56	53	66
JFC 355/H T2/T4 UN F300 (1454)	Inlet	63	61	60	59	57	57	58	55	68
JFC 400 T2 RE F300	Inlet	83	79	78	75	75	75	76	71	87
JFC 400 T2 UN F300	Inlet	85	81	80	77	77	77	78	73	89
JFC 400 T2/T4 RE F300 (1454)	Inlet	67	63	62	60	59	59	60	55	71
JFC 400 T2/T4 UN F300 (1454)	Inlet	69	65	64	62	61	61	62	57	73
JFC 400/H T2 RE F300	Inlet	85	81	80	77	77	77	78	73	89
JFC 400/H T2 UN F300	Inlet	87	83	82	79	79	79	80	75	91
JFC 400/H T2/T4 RE F300 (1450)	Inlet	69	65	64	62	61	61	62	57	73
JFC 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:

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