

JFC F400



CIRCULAR JET FAN 400°C/2h

MANUFACTURING FEATURES:

The JFC F400 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 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 JFC F400 UN is equipped with a protection guard at the inlet side and a deflector at the outlet.
- Reversible JFC 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.

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

Accessories



CPM



FILTRO
EMC



INT



INT 400



SFC

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
-	JFC 315 T2 RE F400	2870	0,81	0,55	3.710	53	95	1
-	JFC 315 T2 UN F400	2870	0,81	0,55	3.910	55	91	1
-	JFC 315/H T2 RE F400	2875	2,39	1,10	4.700	56	97	1
-	JFC 315/H T2 UN F400	2875	2,39	1,10	4.950	58	93	1
-	JFC 355 T2 RE F400	2870	0,81	0,55	4.550	58	101	1
-	JFC 355 T2 UN F400	2870	0,81	0,55	4.790	60	99	1
-	JFC 355/H T2 RE F400	2875	2,39	1,10	5.990	56	103	1
-	JFC 355/H T2 UN F400	2875	2,39	1,10	6.300	58	101	1
-	JFC 400 T2 RE F400	2875	2,39	1,10	6.840	61	125	1
-	JFC 400 T2 UN F400	2875	2,39	1,10	7.200	63	121	1
-	JFC 400/H T2 RE F400	2875	3,14	1,50	9.030	63	128	1
-	JFC 400/H T2 UN F400	2875	3,14	1,50	9.500	65	128	1

2 SPEED MOTOR

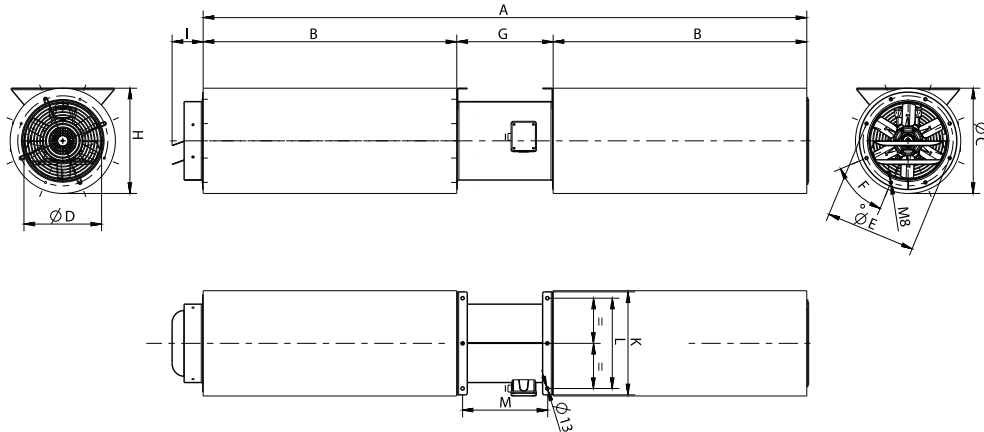
Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
-	JFC 315 T2/T4 RE F400	2805	0,87/2	0,55/ 0,12	3.710	-	95	2
-	JFC 315 T2/T4 UN F400	2805	0,87/2	0,55/ 0,12	3.910	-	91	2
-	JFC 315/H T2/T4 RE F400	2850	2,36/0,27	1,1/ 0,18	4.700	-	97	2
-	JFC 315/H T2/T4 UN F400	2850	2,36/0,27	1,1/ 0,18	4.950	-	93	2
-	JFC 355 T2/T4 RE F400	2805	0,87/2	0,55/ 0,12	4.550	-	101	2
-	JFC 355 T2/T4 UN F400	2805	0,87/2	0,55/ 0,12	4.790	-	99	2
-	JFC 355/H T2/T4 RE F400	2850	2,36/0,27	1,1/ 0,18	5.990	-	103	2
-	JFC 355/H T2/T4 UN F400	2850	2,36/0,27	1,1/ 0,18	6.300	-	101	2
-	JFC 400 T2/T4 RE F400	2850	2,36/0,27	1,1/ 0,18	6.840	-	125	2
-	JFC 400 T2/T4 UN F400	2850	2,36/0,27	1,1/ 0,18	7.200	-	121	2
-	JFC 400/H T2/T4 RE F400	2875	3,54/1,54	1,5/0,37	9.030	-	128	2
-	JFC 400/H T2/T4 UN F400	2875	3,54/1,54	1,5/0,37	9.500	-	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 F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315 T2 UN F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315 T2/T4 RE F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315 T2/T4 UN F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315/H T2 RE F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315/H T2 UN F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315/H T2/T4 RE F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 315/H T2/T4 UN F400	2380	1000	8x45°	380	415	122	406	356	347
JFC 355 T2 RE F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355 T2 UN F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355 T2/T4 RE F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355 T2/T4 UN F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355/H T2 RE F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355/H T2 UN F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355/H T2/T4 RE F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 355/H T2/T4 UN F400	2380	1000	8x45°	380	455	122	461	411	346
JFC 400 T2 RE F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400 T2 UN F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400 T2/T4 RE F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400 T2/T4 UN F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400/H T2 RE F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400/H T2 UN F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400/H T2/T4 RE F400	2425	1000	8x45°	425	500	122	506	456	382
JFC 400/H T2/T4 UN F400	2425	1000	8x45°	425	500	122	506	456	382

Model	ØC	ØD	ØE
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Model	ØC	ØD	ØE
JFC 315 T2 RE F400	415	306	355
JFC 315 T2 UN F400	415	306	355
JFC 315 T2/T4 RE F400	415	306	355
JFC 315 T2/T4 UN F400	415	306	355
JFC 315/H T2 RE F400	415	306	355
JFC 315/H T2 UN F400	415	306	355
JFC 315/H T2/T4 RE F400	415	306	355
JFC 315/H T2/T4 UN F400	415	306	355
JFC 355 T2 RE F400	455	361	395
JFC 355 T2 UN F400	455	361	395
JFC 355 T2/T4 RE F400	455	361	395
JFC 355 T2/T4 UN F400	455	361	395
JFC 355/H T2 RE F400	455	361	395
JFC 355/H T2 UN F400	455	361	395
JFC 355/H T2/T4 RE F400	455	361	395
JFC 355/H T2/T4 UN F400	455	361	395
JFC 400 T2 RE F400	500	401	450
JFC 400 T2 UN F400	500	401	450
JFC 400 T2/T4 RE F400	500	401	450
JFC 400 T2/T4 UN F400	500	401	450
JFC 400/H T2 RE F400	500	401	450
JFC 400/H T2 UN F400	500	401	450
JFC 400/H T2/T4 RE F400	500	401	450
JFC 400/H T2/T4 UN F400	500	401	450

Wiring diagram

DIAGRAM Nº 1

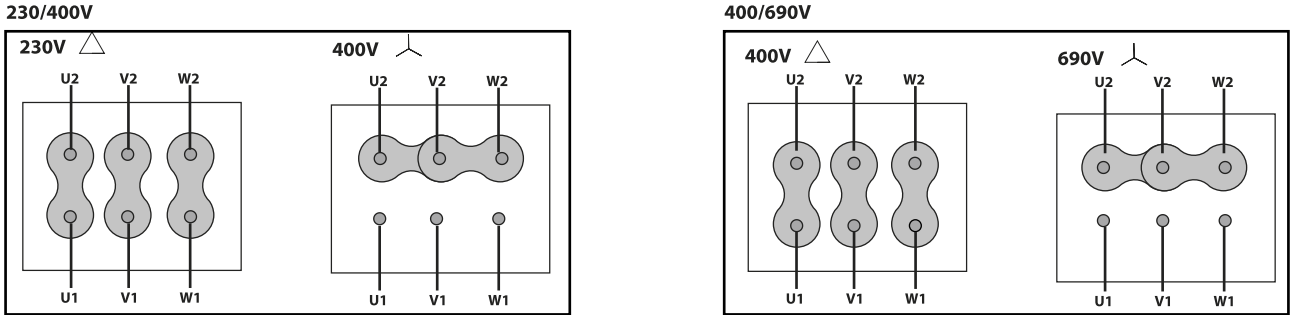
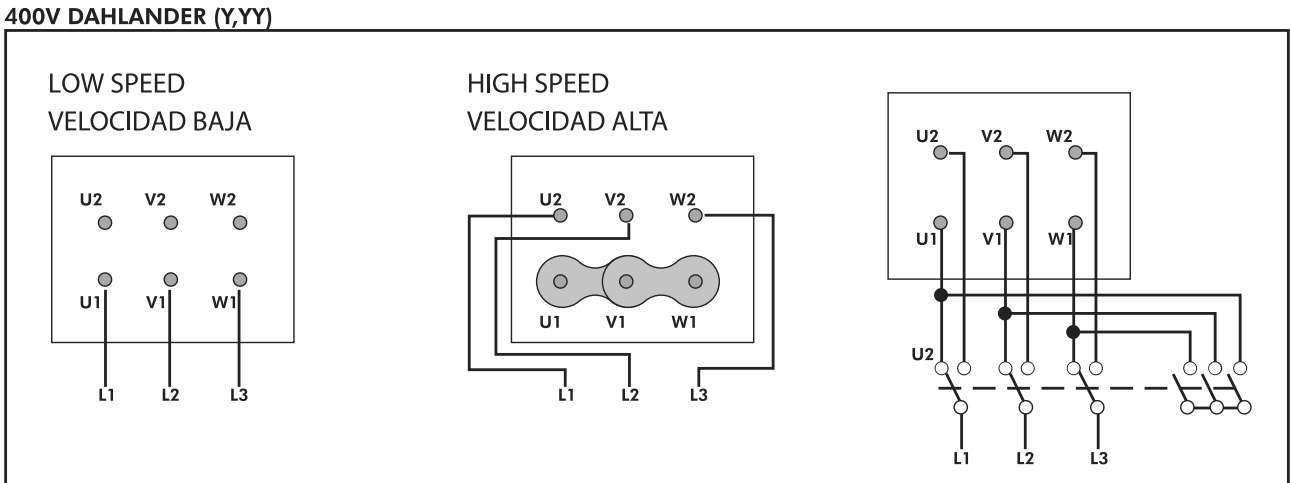


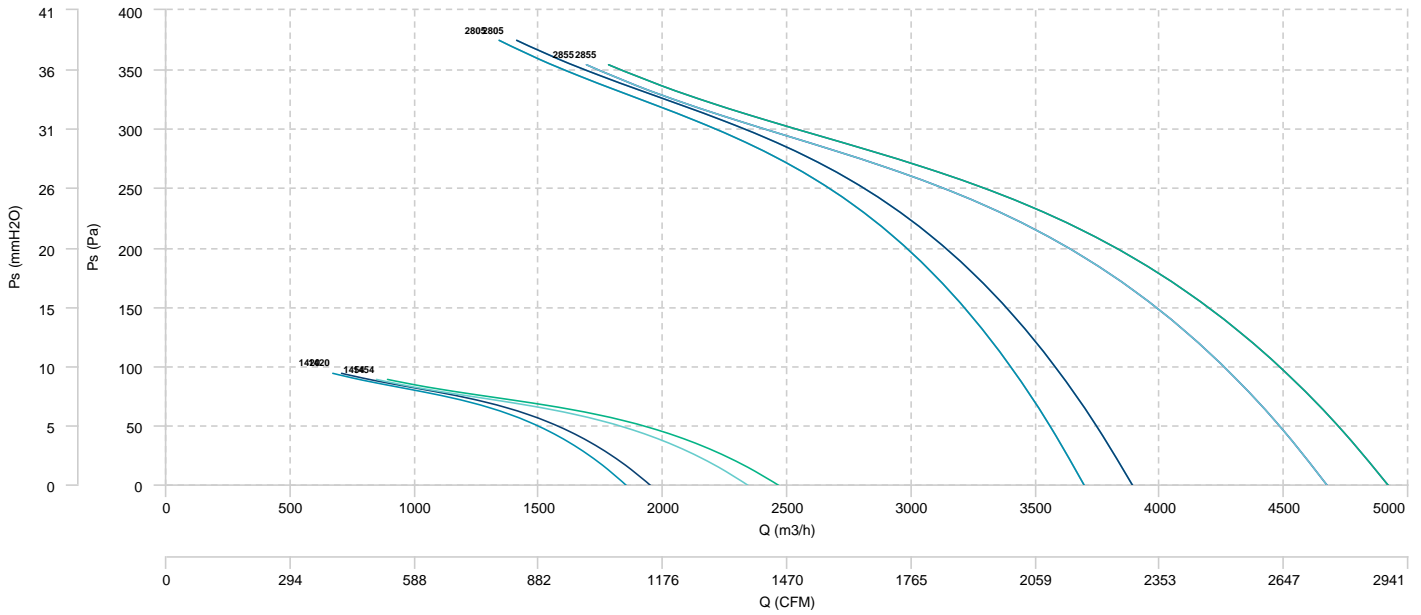
DIAGRAM Nº 2



CHARACTERISTIC CURVE

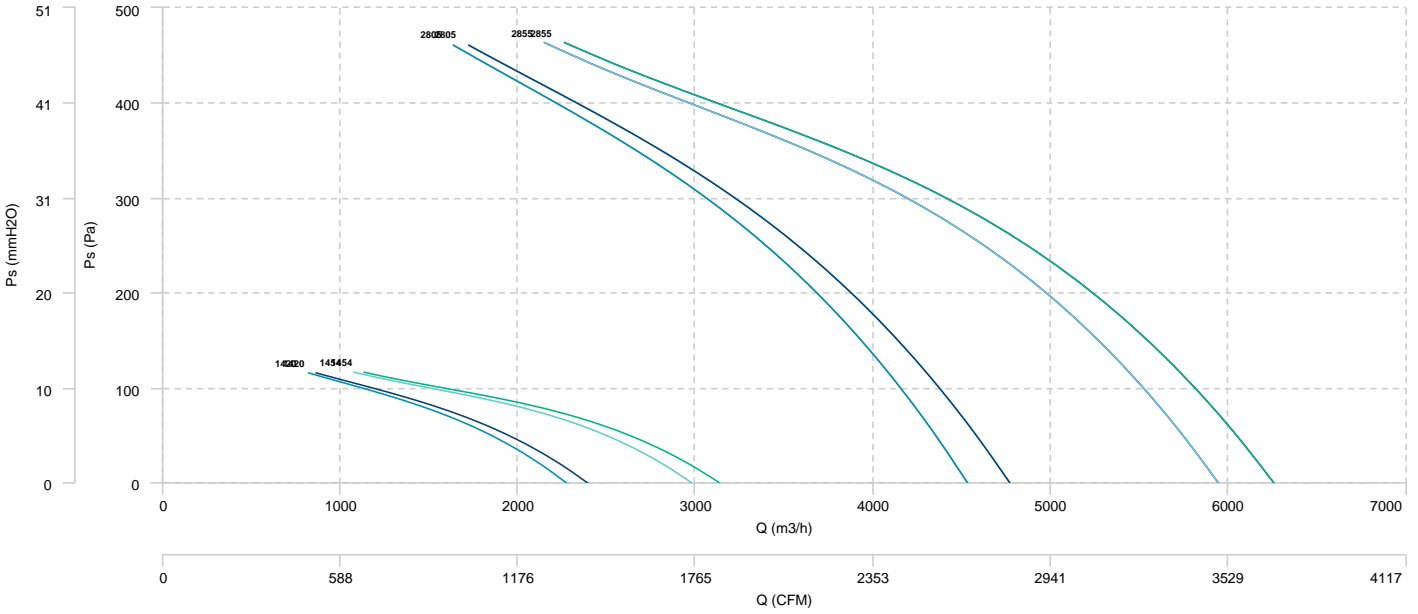
JFC 315 T2 RE F400	JFC 315 T2 UN F400	JFC 315 T2/T4 RE F400	JFC 315 T2/T4 UN F400
JFC 315/H T2 RE F400	JFC 315/H T2 UN F400	JFC 315/H T2/T4 RE F400	JFC 315/H T2/T4 UN F400

AIR FLOW - PRESSURE



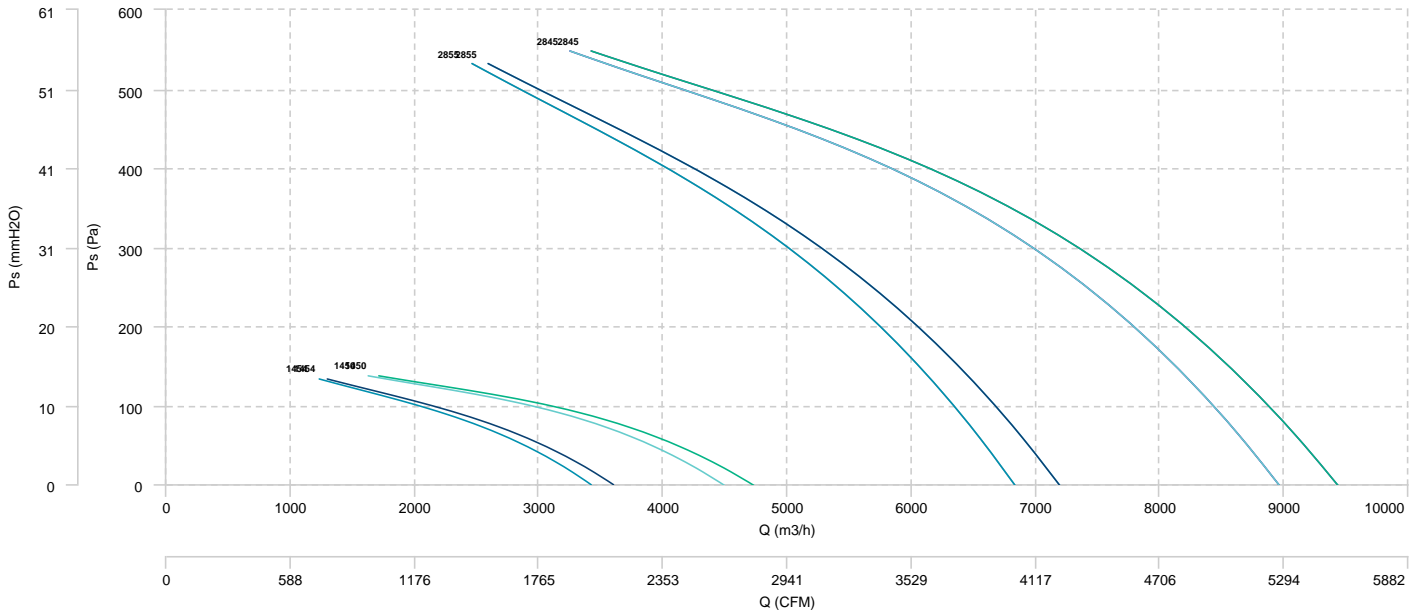
JFC 355 T2 RE F400	JFC 355 T2 UN F400	JFC 355 T2/T4 RE F400	JFC 355 T2/T4 UN F400
JFC 355/H T2 RE F400	JFC 355/H T2 UN F400	JFC 355/H T2/T4 RE F400	JFC 355/H T2/T4 UN F400

AIR FLOW - PRESSURE



JFC 400 T2 RE F400	JFC 400 T2 UN F400	JFC 400 T2/T4 RE F400	JFC 400 T2/T4 UN F400
JFC 400/H T2 RE F400	JFC 400/H T2 UN F400	JFC 400/H T2/T4 RE F400	JFC 400/H 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
JFC 315 T2 RE F400	Inlet	73	71	69	71	69	69	71	67	79
JFC 315 T2 UN F400	Inlet	75	73	71	73	71	71	73	69	81
JFC 315 T2/T4 RE F400 (2805 RPM)	Inlet	73	71	69	71	69	69	71	67	79
JFC 315 T2/T4 UN F400 (2805 RPM)	Inlet	75	73	71	73	71	71	73	69	81
JFC 315/H T2 RE F400	Inlet	76	74	74	72	72	71	72	68	82
JFC 315/H T2 UN F400	Inlet	78	76	76	74	74	73	74	70	84
JFC 315/H T2/T4 RE F400 (2855 RPM)	Inlet	76	74	74	72	72	71	72	68	82
JFC 315/H T2/T4 UN F400 (2855 RPM)	Inlet	78	76	76	74	74	73	74	70	84
JFC 355 T2 RE F400	Inlet	78	76	75	76	74	73	74	72	84
JFC 355 T2 UN F400	Inlet	80	78	77	78	76	75	76	74	86
JFC 355 T2/T4 RE F400 (2805 RPM)	Inlet	78	76	75	76	74	73	74	72	84
JFC 355 T2/T4 UN F400 (2805 RPM)	Inlet	80	78	77	78	76	75	76	74	86
JFC 355/H T2 RE F400	Inlet	77	75	73	72	71	71	72	69	82
JFC 355/H T2 UN F400	Inlet	79	77	75	74	73	73	74	71	84
JFC 355/H T2/T4 RE F400 (2855 RPM)	Inlet	77	75	73	72	71	71	72	69	82
JFC 355/H T2/T4 UN F400 (2855 RPM)	Inlet	79	77	75	74	73	73	74	71	84
JFC 400 T2 RE F400	Inlet	83	79	78	75	75	75	76	71	87
JFC 400 T2 UN F400	Inlet	85	81	80	77	77	77	78	73	89
JFC 400 T2/T4 RE F400 (2855 RPM)	Inlet	83	79	78	75	75	75	76	71	87
JFC 400 T2/T4 UN F400 (2855 RPM)	Inlet	85	81	80	77	77	77	78	73	89
JFC 400/H T2 RE F400	Inlet	85	81	80	77	77	77	78	73	89
JFC 400/H T2 UN F400	Inlet	87	83	82	79	79	79	80	75	91
JFC 400/H T2/T4 RE F400 (2845 RPM)	Inlet	85	81	80	77	77	77	78	73	89
JFC 400/H T2/T4 UN F400 (2845 RPM)	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:

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