A02 · CAR PARK & SMOKE EXTRACT FANS

AS-JET F400

Industrial Axial Jet Fans – F400



AS-JET F400 axial jet fans ventilate car parks by pushing air through the open space instead of transporting it through ducts. This avoids the friction losses that occur in ducted systems. The fans do not obstruct other building services, are easy to install and are suitable for automation.

The galvanized sheet steel casing is installed directly in the car park, without ductwork, and discharges air horizontally. The 6-blade aluminium impellers are balanced to ISO 1940-1 and cover sizes from Ø315 to Ø500 mm. Thrust ranges from 24 to 152 N.

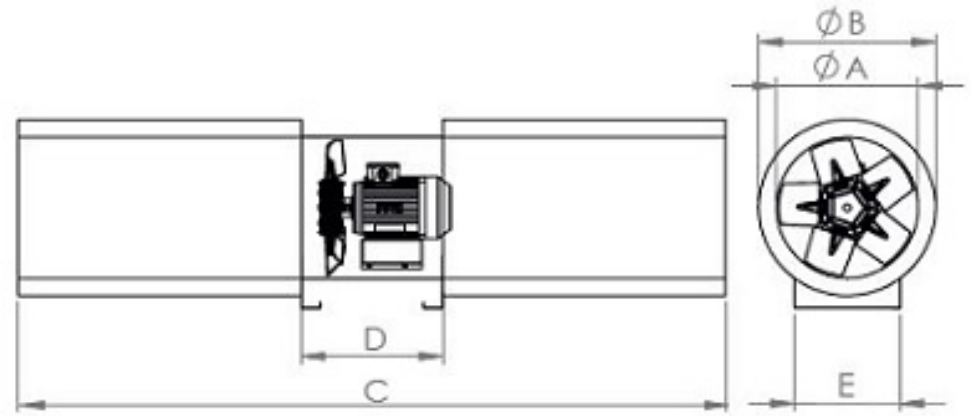
Direct drive is provided by two-speed 2/4-pole Dahlander WAT motors with TEAO cooling, IP55 protection, class F insulation and efficiency class IE3. This version has the higher temperature class: 400 °C for two hours (F400), with S1 and S2 duty. Versions for 400 V 3~ 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +400 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	THRUST	IMPELLER Ø	MOTOR POWER
17,900 m³/h	24 – 152 N	315 – 500 mm	0.80 – 4.4 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,843 – 2,925 min⁻¹	400 V 3~ · 50 Hz	400°C/2h	2D F400 standard · IP55 · F

Technical data 50 Hz

Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Thrust [N]	Throw [m]	LpA 1 m [dB(A)]
AS-JET F400 315 2D F400	315	0.80	2,850	400 V 3~	1.8	4,640	24	21	85
AS-JET F400 355 2D F400	355	1.5	2,843	400 V 3~	3.4	6,720	40	27	87
AS-JET F400 400 2D F400	400	2.2	2,870	400 V 3~	4.5	9,670	68	34	90
AS-JET F400 450 2D F400	450	3.1	2,918	400 V 3~	6.3	13,490	104	41	93
AS-JET F400 500 2D F400	500	4.4	2,925	400 V 3~	8.5	17,900	152	52	95

Dimensions [mm]



Model	A	B	C	D	E
AS-JET F400 315	315	415	2,000	400	300
AS-JET F400 355	355	455	2,000	400	330
AS-JET F400 400	400	500	2,000	400	350
AS-JET F400 450	450	550	2,000	400	450
AS-JET F400 500	500	600	2,000	400	450

Sound power level Lw [dB] per octave band

casing radiated · 63–8000 Hz

Model	63	125	250	500	1k	2k	4k	8k	Total	LpA 1 m [dB(A)]
AS-JET F400 315	61	72	87	86	87	85	82	77	**93**	85
AS-JET F400 355	63	74	89	88	89	87	84	79	**95**	87
AS-JET F400 400	66	77	92	91	92	90	87	82	**98**	90
AS-JET F400 450	69	80	95	94	95	93	90	85	**101**	93
AS-JET F400 500	71	82	97	96	97	95	92	87	**103**	95

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
5 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.