A04 · CAR PARK & SMOKE EXTRACT FANS

AS-RJET F400

Industrial Backward-Curved Centrifugal Jet Fans – F400



AS-RJET F400 jet fans ventilate car parks by pushing air through the open space rather than transporting it through ducts, avoiding the friction losses of ducted systems. Their low-profile construction suits locations with limited headroom. The fans do not obstruct other services, are easy to install and are suitable for automation.

The galvanized sheet steel casing is mounted without ductwork and discharges air horizontally. The aluminium backward-curved centrifugal impeller is balanced to ISO 1940-1; sizes Ø560 to Ø630 mm. Thrust ranges from 50 to 90 N.

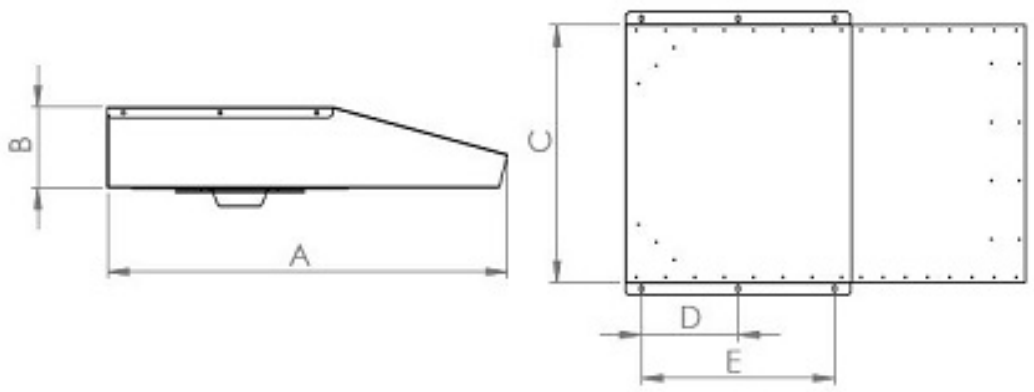
The direct-drive, two-speed 4/8-pole Dahlander WAT motors have TEAO cooling, IP55 protection, class F insulation and efficiency class IE3. This version has the higher temperature class: 400 °C for two hours (F400), with S1 and S2 duty. Versions for 400 V 3~ 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +400 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	THRUST	IMPELLER Ø	MOTOR POWER
7,641 m³/h	50 – 90 N	560 – 630 mm	1.2 – 2.2 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,432 – 1,463 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-RJET F400 50 2D F400	560	1.2	1,432	400 V 3~	2.7	5,760	50	30	54
AS-RJET F400 70 2D F400	630	2.2	1,463	400 V 3~	5.3	7,009	70	38	58
AS-RJET F400 90 2D F400	630	2.2	1,463	400 V 3~	5.3	7,641	90	46	62

Dimensions [mm]



Model	A	B	C
AS-RJET F400 50	1,215	250	800
AS-RJET F400 70	1,300	300	840
AS-RJET F400 90	1,300	300	840

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-RJET F400 50	30	41	56	55	56	54	51	46	**62**	54
AS-RJET F400 70	34	45	60	59	60	58	55	50	**66**	58
AS-RJET F400 90	38	49	64	63	64	62	59	54	**70**	62

Notes

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