A03 · CAR PARK & SMOKE EXTRACT FANS

AS-RJET F300

Industrial Backward-Curved Centrifugal Jet Fans – F300



AS-RJET F300 jet fans are designed for car park ventilation. Pushing air through the open space instead of carrying it through ducts, they avoid the friction losses of ducted systems. Their low profile suits car parks with limited headroom; they do not obstruct other services, are easy to install and are suitable for automation.

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

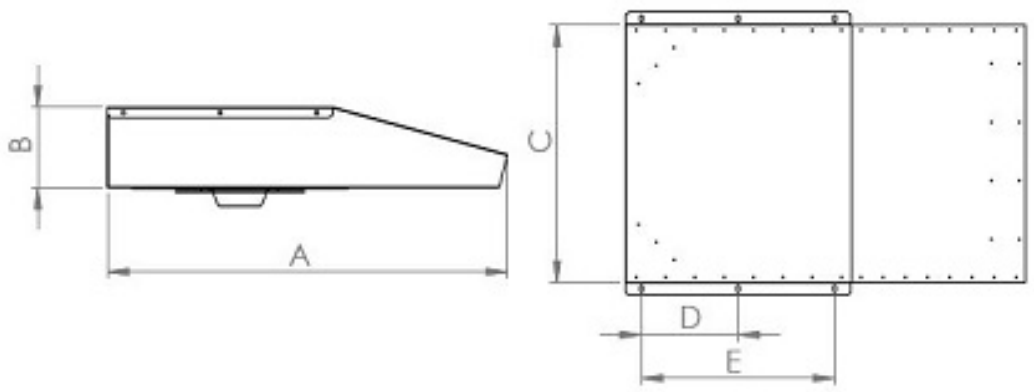
Direct drive is provided by two-speed 4/8-pole Dahlander WAT motors with TEAO cooling, IP55 protection, class F insulation and efficiency class IE3. They are rated for 300 °C for two hours (F300) and for S1 and S2 duty. Versions for 400 V 3~ 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +300 °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 – 2.8 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,430 – 1,438 min⁻¹	400 V 3~ · 50 Hz	300°C/2h	2D F300 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 F300 50 2D F300	560	1.2	1,430	400 V 3~	2.7	5,760	50	30	54
AS-RJET F300 70 2D F300	630	2.8	1,438	400 V 3~	5.6	7,009	70	38	58
AS-RJET F300 90 2D F300	630	2.8	1,438	400 V 3~	5.6	7,641	90	46	62

Dimensions [mm]



Model	A	B	C
AS-RJET F300 50	1,215	250	800
AS-RJET F300 70	1,300	300	840
AS-RJET F300 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 F300 50	30	41	56	55	56	54	51	46	**62**	54
AS-RJET F300 70	34	45	60	59	60	58	55	50	**66**	58
AS-RJET F300 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.