

Jetstream

Car Park Jet Fan Unit



Data Sheet

Colt Jetstream is an impulse jet fan intended to control air movement and direct polluted air and smoke towards the extract positions in a car park or underground service area.

THE COLT JETSTREAM IMPULSE UNIT

General description

The Jetstream impulse unit comprises an axial fan with inlet and discharge attenuators.

Versions

Versions are available to match most customer requirements:

- Two fan sizes, 315mm and 400mm diameter, with overall depths of 335mm and 365mm respectively
- Thrusts of up to 50N
- Uni-directional or truly reversible for additional design flexibility
- Two speed, or single speed with potential for inverter control
- Ambient or high temperature smoke operation

FEATURES AND BENEFITS

Proven performance - Independently tested and certified in accordance with EN 12101-3: 2002, achieving a F300 rating - continuous operation for one hour at 300°C.

Durable - Hot dipped galvanized finish resistant to potential corrosion.

Adjustable pitch aerofoil section impellers, set and tested in the factory, to provide optimum aerodynamic performance.

A minimum protection to IP55 on fan electrics enables fan maintenance and cleaning by pressure washing. External padlockable isolator switch protected to IP65.

Slimline appearance - Standard version uses spigot fixing of attenuators and streamlined attenuator lining to maintain a slim, clean profile.

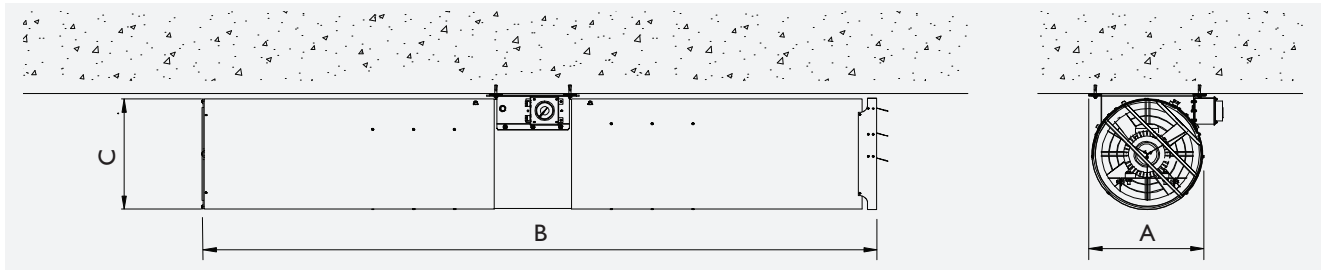
Truly reversible - For additional design flexibility, as part of a comprehensive scheme, the control system can direct the airflow in either direction.

Quality of manufacture - Jetstream is manufactured under the BS EN 9001 quality standard. Each unit is given a functional test before despatch.

Variety of finishes - Jetstream's casing is hot dipped galvanised, whilst its attenuators are pre-galvanised sheet. It has the option of any polyester powder coating to a RAL colour.

Low noise output - CIBSE Guide Volume A:1999, Environmental Design, sets out a recommended maximum noise level of NR55 in car parks. Jetstream fans will achieve these required noise levels.

UNIT DIMENSIONS



	Jetstream 315	Jetstream 400
Overall width A (mm)	315	400
Overall length B (mm)	1990	2880
Overall height C (mm)	335	427

TECHNICAL SPECIFICATION

Size	Direction	Motor power kW	Nominal current A	Start current A	Speed	Air flow m ³ /s	Discharge velocity m/s	Thrust N	LpA @ 3m free field dBA
315J	U	0.8	1.91	11.46	high	0.95	16.52	21	62
315J	R	0.8	1.91	11.46	high	0.96	16.73	20	64
400J	U	0.28	0.75	2.85	low	0.97	10.42	12	50
400J	U	1.30	2.41	14.50	high	1.95	20.91	51	64
400J	R	0.28	0.75	2.85	low	1.02	10.87	13	57
400J	R	1.30	2.41	14.50	high	2.02	21.64	52	66

J - Non flanged jet fan
 U - Uni-directional
 R - Reversible

SPECIFICATIONS

DESCRIPTION

Colt Jetstream Car Park Impulse Jet Fan - for controlling air movement in a car park or underground service area. Tested and certified to EN 12101-3.

High velocity powered car park induction ventilation unit, for directing exhaust fumes (in day to day mode) and smoke in a controlled manner towards the main extract positions of a car park or underground service area.

Comprising an axial fan with inlet and discharge attenuators with outlet diffusers enabling flush fit with the underside of the car park ceiling.

SIZES

- **Type 315** 315mm diameter fan (non-flanged)
- **Type 400** 400mm diameter fan (non-flanged)
- **U** Unidirectional
- **R** Reversible

OPTIONS

- Single speed DOL motor suitable for inverter speed control, IP55 protection
 - Two speed tap wound motor (full and half speed), IP55 protection
- Motors supplied either with a fitted IP55 terminal box or an optional IP65 lockable fire rated isolator.

FINISHES

- Pre-galvanised sheet (standard)
- Polyester powder coating to any RAL colour (optional)

FIRE PERFORMANCE

F300 - continuous operation for one hour at 300°C.

COMPLIANCE

The complete unit, including isolator, is rated at 300°C for 60 minutes, Class F300 to EN 12101-3 (2002). Jetstream is fully CE marked.