



**FIRE CURTAIN  
TECHNOLOGIES**

Smoke and Fire Curtains

## Underground Parking Lot Fan **CYCLONE JET FAN**

Cyclone is a low profile, high velocity induction fan intended to control air movement in underground parking lots and underground service areas. Cyclone reduces levels of polluted air and assists with the extraction of smoke in the event of a fire, directing polluted air and smoke towards the extract positions.

Cyclone uses tunnel ventilation technology to eliminate the need for costly and bulky ductwork. Compared to ductwork systems, this may save underground-parking spaces, reduce running costs and noise, making the parking lot a lighter and less cluttered environment.

**Cyclone Jet Fan is tested and certified to EN 12101-3.**

## PRODUCT DATA SHEET | CYCLONE INDUCTION JET FAN

Cyclone Induction Jet Fan is a low profile high velocity powered induction ventilation unit, for directing exhaust fumes (in day to day mode) and smoke towards the main extract positions of an underground parking.

Incorporating a backward curved centrifugal impeller within a low profile slim-line casing manufactured from pre-galvanized steel with an outlet diffuser enabling flush fit with the underside of the underground parking ceiling.

### Options

- Single speed DOL motor suitable for inverter speed control, IP55 protection
- Two speed 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-galvanized sheet (standard)
- Polyester powder coating to any RAL color (optional)

### Fire performance

Continuous operation for one hour at 570°F.

	SIZE (in)		
	Height	Length	Wide
<b>CYCLONE 100</b>	12	57	39
<b>CYCLONE 50</b>	10	47	33



### FEATURES AND BENEFITS

**Slimline design** - Only 12 in or 10 in overall depth. This reduces the required headroom in underground parking and thus lowers excavation costs.

**Certified performance** - Cyclone has been exhaustively tested and certified to EN 12101-3 and is CE marked. Cyclone 100, Cyclone 50 and their standard isolators fully meet the F300 time/temperature classifications of EN 12101-3 (570°F continuous operation for one hour). Cyclone achieved 2 hours under test.

**Durable construction** - Cyclone is manufactured from pre-galvanized sheet with the option of a polyester powder coating to any RAL color.

**Low maintenance** - No ductwork to clean.

**High thrust** - With a higher thrust, each fan can ventilate a significantly higher floor area. This means that fewer units are required than with conventional impulse units. Fewer units mean lower cabling and control requirements as well as lower installation and maintenance costs.

**Speed options** - Suitable for either two speed or variable speed operation, depending on the application. Where the unit is inverter (variably) controlled, the amount of power consumed is reduced.

**Low noise output** - Cyclone meets the noise level of NR55 required by CIBSE Guide Volume A: 1999, Environmental Design.

