

## In-Line Motor Component – Motor



### Motor Specifications:

Nominal voltage 24v; Nominal speed 3100rpm; tested to 300° C direct temperature.

### Motor Description:

These motors are permanent magnet DC motors, this configuration gives them a modest size combined with considerable torque. The motors design provides a long maintenance free service life.

### Gearbox Specification:

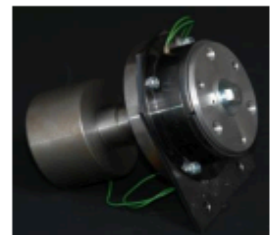
Torque 7Nm; Efficiency 70%; Ratio 100:1; Shaft Load capacity – Axial 150N Radial 250N.

### Gearbox Description:

Planetary gears are utilised as they are well suited to high torque / low power applications. The gearbox is also equipped with a high viscosity lubrication system to provide a long operating life. The double bearing output shafts can withstand large radial and axial forces with a self-centring planetary wheel providing symmetrical force distribution.

### Optional Brake Unit:

An optional 24v brake unit can be fitted to provide a two stage descent facility (appropriate GCP required). The brake unit is powered from timer circuits in the GCP to stop the curtain descent at a given height, thus facilitating escape whilst acting as a smoke reservoir. The curtain then continues to its complete fire / smoke operational position.



### Integral Battery Back Up:

Up to 3 hour power supplied by 2 x 7Ah rechargeable sealed lead acid cells.

### Motor Configuration:

Available for 70mm diameter octagonal and round tubes for fire and smoke applications.

### Heavy Duty Motor

A higher powered variant for use with heavier fabrics and larger curtains. Utilised in conjunction with a 127mm tube and a higher capacity MCC, the characteristics are as the standard motor with the following exceptions:

### Gearbox Specification:

Torque 24Nm; Ratio 288:1