

DATA SHEET VARIOSPEED®6 COOP/50G MOTOR

PRODUCT CODE(S): 11095 / 11096

UNICLASS: L4231

EPIC: D25

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VARIOSPEED®6 COOP/50G MOTOR

MOTOR MODEL

C/50G/F	(Fire)
C/50G/F ER	(Fire - Emergency Retract)

PRODUCT CODE

11095B	(C/50G/F)
11096B	(C/50G/F ER)

PRODUCT CODE

The Variospeed®6 Motor range is used in conjunction with the Variospeed®6 Motor Control Card (MCC) and are permanent magnet electrical motors fitted with an internal 24Vdc electromagnetic brake, as standard. When the Smoke/Fire curtain(s) are fully retracted, the internal electromagnetic brake is powered, keeping the Smoke/Fire curtain(s) in their retracted position. Power to the motor is completely isolated, prolonging the life of the motor and maintaining manufacturers supply warranty.

The motors include built in short circuit and open circuit protection, meaning the curtains will deploy under total controlled gravity failsafe at a descent rate compliant with BS EN 12101 and BS 8524 even if the motor wires are severed, i.e. shorted together or disconnected from the Motor Control Card (MCC).

OPERATION

In the event of an alarm activation the electromagnetic brake will de-energise and the Smoke/Fire curtain(s) will immediately deploy to their Fire Operational Position (FOP) under Gravity Failsafe.

If there is a mains power failure the Smoke/Fire curtain(s) will be held in the retracted position for 30 minutes under Battery Backup (BBU) before deploying to their Fire Operational Position (FOP). If an alarm activation is received during a mains power failure, the curtain(s) will immediately deploy to their Fire Operational Position (FOP). The Smoke/Fire curtain(s) will descend under total & controlled GFS (Gravity Failsafe).

MOTOR FEATURES

- ✓ Load tested at 400°C
- ✓ Each motor is fitted with an internal 24Vdc electromagnetic brake as standard, prolonging the life of the motor and maintaining manufacturers supply warranty.
- ✓ A power off, brake off motor; so when power is lost, the Smoke/Fire Barrier(s) will deploy under controlled TGFS (Total Gravity Fail Safe).
- ✓ Short Circuit and Open Circuit protection. Motor will meet descent speed requirements in Short Circuit and Open Circuit conditions.
- ✓ FP200 cable pre wired to the motor for applications requiring emergency backup systems.
- ✓ Egress and access compliant.

SPECIFICATION

Motor

Rated Torque	50Nm
Rated Voltage	24Vdc
Max Power	60W
Maximum Run Time (Continuous)	4min
Gravity Fail Safe Minimum Weight	20kg
Standard Cable Length	1m

Internal Brake

Rated Voltage	24Vdc
Nominal Current	0.25A
Nominal Power	6W

Unit

Weight	4.5kg
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Dimensions (mm) Smoke

L:511mm
D: 66 mm

Dimensions (mm) Fire

L: 566mm
D: 66mm

Location

Internal



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Coopers Fire Ltd has a policy of continuous product improvement. As such we reserve the right to change design and specifications without prior notice.

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