

# CATERPILLAR-PERKINS Engines

## *Model SV Governing ACTUATOR*

Precision Governor's Model SV governing actuator uses linear ball bearings to provide low friction governing for all applications requiring precise governing control.

*Custom-designed for use with the following  
Caterpillar C (3000) & Perkins 400 Series Engines*

<u>Caterpillar</u>	<u>Perkins</u>
	402C-05
	403C-07
C1.1 (3011C)	403C-11
C1.3 (3013C)	403C-15
C1.6	404C-15
C2.2 (3024C)	404C-22
C2.2T (3024C-T)	404C-22T



### Features:

- ◆ Features ultra low friction linear ball bearings. Precise, smooth governing actuator control at all temperature ranges. At least ten times lower friction than actuators using solid bushings.
- ◆ Fast and easy installation. Mounts directly to fuel rack in place of Run/Stop solenoid eliminating linkages, pulleys, or external brackets.
- ◆ Failsafe operation. Internal spring returns actuator to the minimum fuel/shutdown position in case of power loss.
- ◆ Requires much less current and operates at much cooler temperatures than others.
- ◆ Available in 12 volt & 24 volt versions.
- ◆ Corrosion and moisture resistant.
- ◆ Ideal for gensets Isochronous control with zero droop over the complete speed range.

# Specifications

## ELECTRICAL

### Power Input

12 or 24 Volt DC Available

#### 12 VDC

Coil Resistance

5.3 Ohms

Maximum Continuous Current

1.9 Amps

#### 24 VDC

Coil Resistance

19.9 Ohms

Maximum Continuous Current

1.0 Amps

### Connectors

#### Standard:

Spade Terminal

AMP P/N 2-520102-2 or equivalent

Mate:

AMP P/N 2-520184-2 or 3-350820-2 or equivalent

#### Options:

Deutsch

P/N DT04-2P

Mate:

P/N DT06-2S

Delphi-Packard

P/N 15300027

Mate:

P/N 15300002

## MECHANICAL

### Dimensions:

See drawing for specific model

### Stroke:

See drawing for specific model

### Materials:

Corrosion resistant Aluminum and Zinc Plated Steel

### Weight:

1.2 lbs

### Serial Number:

Etched into housing opposite lead wires

## ENVIRONMENTAL

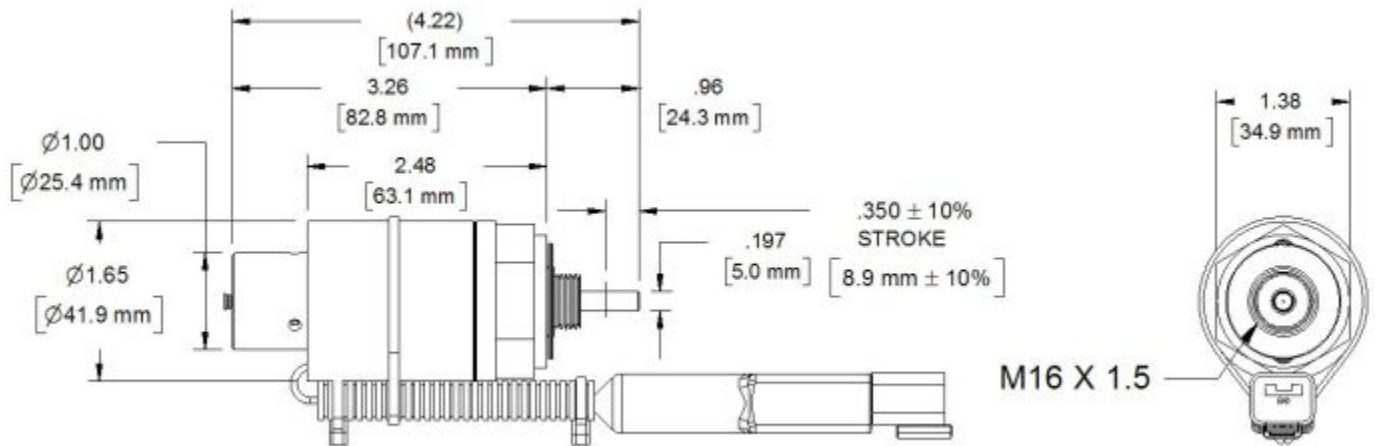
### Operating Temperature Range:

-40°F to 250°F

(-40°C to 121°C)

# Caterpillar-Perkins Series Engines

## *Model SV Governing ACTUATOR*



CATERPILLAR C(3000) & PERKINS 400 SERIES ACTUATOR

## Ultra Low Friction Linear Ball Bearing Design

***Precision Governor's exclusive use of two low friction linear ball bearings in each governing actuator insures precision, reliable governing performance in the most demanding industrial applications.***



Ordering: *Model SV Governing Actuators for Cat.-Perkins Engines*

Part No.

Description

9273

C(3000) & 400 Series

9288

12 Volt Systems

24 Volt Systems