

## Type 2221

### DATA SHEET

#### Description

**Work output 8, 12, 15, 25, 34 or 40 ft. lbf. (11, 16, 20, 34, 46 or 55 Nm)**

The REGULATORS EUROPA 2221 actuator is a proportional actuator in which the output shaft position is proportional to the electric input signal.

Based on the popular, well proven 1100 series hydraulic governor there are many common parts, readily available from stock, for quick maintenance and service.

A booster unit can be supplied for applications where minimal starting air consumption is required.

#### Specification

##### Actuator input signal

0-1 normal operating range (250 mA - 750 mA).  
Open loop positional accuracy approximately  $\pm 1.5\%$  FSD.

##### Actuator drive speed

Normal operating speed range 300 - 1500 rpm  
(maximum 1200 rpm for 40 ft. lbf.) (55 Nm).

##### Speed range

At rated engine speed 900 - 1500 rpm.

##### Output shaft movements

50° max. with 30° or greater to be used from full load to no load.

##### Oil supply

Self-contained 0.8 imp galls (3.6 litres).

##### Power to drive actuator

Less than 0.5 hp (0.37 kW) (1500 rpm actuator drive speed).



#### Features

True proportional actuator

Self-contained oil supply

Based on the popular 100 series governor

One module with 5 different work outputs all within the same frame size

Booster option

Designed for use with the Viking range of digital electronic governors and engine management systems

Standard adaptors available to replace other manufacturer's governors

Can be used with other manufacturers electronic governors

Low maintenance / high reliability

### **Output shaft dimensions**

5/8" in nominal diameter, 36 SAE serrations.

### **Rotation**

Either clockwise or counter clockwise.

### **Drive shaft dimensions**

Standard 3/4" in nominal diameter, 48 SAE serrations or 25 mm nom. diameter keyed.

Other drive shafts are available to suit application.

All drive shafts are fitted with mechanical face seals to prevent oil contamination.

### **Weight**

52lb (24 kg).

### **NOTE:**

1. Signal conversions units are available if actuator is to be driven by non REGULATEURS EUROPA controllers.
2. Base plate adaptors are available to convert actuator to other manufacturers base designs.

Consult the Sales Department for further information.

*Subject to alterations. ©Regulateurs Europa B.V., 2015*

---

#### **REGULATEURS EUROPA B.V.**

Ekkelkamp 3, 9301 ZZ Roden  
The Netherlands

Phone: +31 (0)50 5019888

Fax: +31 (0)50 5013618

Email: [sales@regulateurs-europa.com](mailto:sales@regulateurs-europa.com)



**REGULATEURS EUROPA**

Member of the  
Heinzmann Group

---

#### **REGULATEURS EUROPA Ltd.**

Port Lane, Colchester, Essex CO1 2NX  
United Kingdom

Phone: +44 (0)1206 799 556

Fax: +44 (0)1206 792 685

Email: [sales@regulateurseuropa.com](mailto:sales@regulateurseuropa.com)