

TYPE 2221

Hydraulic Servo Actuator

Work output 8,15,25,34 or 40 ft.lbf

The Regulateurs 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.



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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 manufactures governors
- Can be used with other manufacturers electronic governors
- Low maintenance / high reliability

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SPECIFICATION

Actuator Input Signal

0-1 normal operating range
250mA - 750mA)

Open loop positional accuracy
approximately $\pm 1.5\%$ FSD

Actuator Drive Speed

Normal operating speed range 300 - 1500
r/min (maximum 1200 r/min for 40 ft ibf)

Speed Range

At rated engine speed 900 - 1500 r/min

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 Derive Actuator

Less than 0.5hp (0.37kW) (1500 r/min
actuator drive speed)

Output Shaft Dimensions

$\frac{5}{8}$ in nominal diameter, 36 SAE serrations

Rotation

Either clockwise or counter clockwise.

Drive Shaft Dimensions

Standard $\frac{3}{4}$ in nominal diameter, 48 SAE
serration's or 25mm 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 (24kg).

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.

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