Hydraulic servo actuator

Type 2221

DATA SHEET

Description

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

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.

Specification

Actuator input signal

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

Actuator drive speed

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

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 drive actuator

Less than 0.5 hp (0.37 kW) (1500 r/min 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
52 lb (24 kg).

NOTE:
1. Signal conversion 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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