

TYPE 2221-1G

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.



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

Specification

Actuator input signal	0 ... 1 normal operating range (250 ... 750 mA) Open loop positional accuracy approx. ± 1.5 % FSD
Actuator drive speed	Normal operating speed range 300 ... 1,500 rpm (max. 1,200 rpm for 40 ft lbf)
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) (1,500 rpm actuator drive speed)
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 conversions units are available if actuator is to be driven by non RE controllers.
2. Base plate adaptors are available to convert actuator to other manufacturers base designs.

Consult our Sales Department for further information.

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