Regulateurs Europa
Member of the HEINZMANN Group

TYPE 2100

DATA SHEET

Description

The 2100 series governor has been developed to meet the requirements of engines in the power range 200 to 2000 H.P. (150 to 1,500 kW).

The design incorporates many of the main control components of the well proven 1100 governor series.

The governor is of the centrifugal flyweight type with a hydraulic servo mechanism to provide the output effort. It is totally self-contained with its own oil reservoir, oil pump hydraulic accumulators and pressure control.

Provisions exist to connect an air operated starting booster.

Features

All models are available with fuel limiting, with respect to charge air pressure or via a manual control knob

8 or 12 ft lbf (11 or 16 joules) work output within the same external dimensions

Drive speed, drive shaft and base mounting is common to all models and is interchangeable with many UG based governors and actuators

Models available

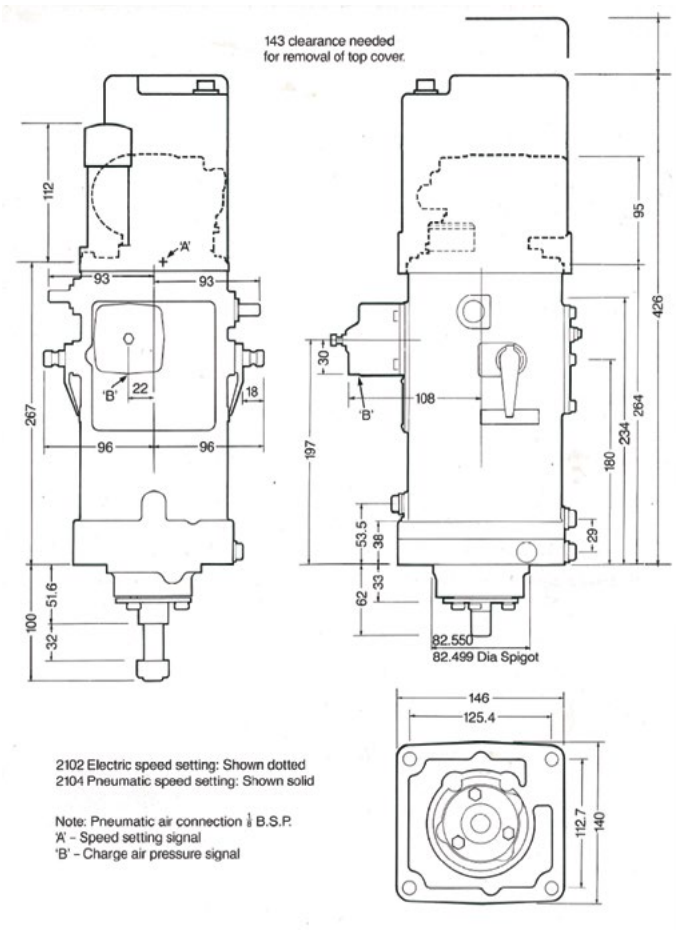
- 2101 Lever speed setting
- 2102 Electric motor speed setting
- 2103 Dial speed setting
- 2104 Pneumatic speed setting

Nominal stalled work capacity	8 ft lbf (11 J)	12 ft lbf (16 J)
Output shaft torque increase fuel	11.4 lbf ft (15.4 Nm)	17.21 lbf ft (23.4 Nm)
Sevo oil pressure	165 lbf/in^2 (11.4 bar)	250 lbf/in^2 (17.2 bar)

Specifications

Weight	Lever speed setting model 38 lbs (17.2 kg)
Rotation	Either clockwise or counter clockwise
Drive shaft dimensions	0.625 in nominal diameter 36 SAE serrations or alternatively 0.625 diameter keyed
Output shaft dimensions	0.5 in nominal diameter 36 SAE serrations
Speed droop	External adjustment (lockable) 0 ... 10 %
Oil supply	Self-contained 1.7 litres
Speed setting motor (2102)	Operating voltages 24 VDC 3 wire 110/120 VDC 110/120 VAC single phase (50/60 Hz 3 wire) Other voltages can be supplied
Shutdown solenoid (Energised to stop)	24 VDC Lever shutdown available
Pneumatic speed setting (2104)	3 ... 15 lbf/in^2 (0.21 ... 1.05 bar) 5 ... 90 lbf/in^2 (0.35 ... 6.32 bar) 10 ... 60 lbf/in^2 (0.7 ... 4.2 bar)
Speed range	300 ... 1,800 rpm for variable speed applications 1,200 ... 1,600 rpm (at rated engine speed) for constant speed
Output shaft movement	40° (max) 0 - 10 on scale 24° no-load to full load 2 ... 8 on scale

Dimensions



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