

DK 200-110 / StG 3⁺

DATA SHEET

Description

Preferential application of this combination of a throttle valve with an actuator from HEINZMANN is gas engine control. Engine speed and power of the engines can be influenced by controlling the gas mixture amount.

In special applications it can additionally be used as gas valve for air-fuel-ratio control.

Usually it is used for stationary engines. Over and above its robust construction makes it fit for mobile heavy duty applications as well.

A multipolar magnetised permanent magnet is facing a multipolar armature radial. That kind of design allows to generate powerful torque in both directions of working equally. Optionally a return spring can be mounted on the output shaft to ensure setting to a zero position in case of voltage loss.

The armature is optimised for lowest heat build-up. Additionally, the design enhances heat transfer and allows a wide working temperature range.

Result of the direct acting gearless function is a very fast response time. A high precision contactless feedback system allows high-grade position control of the throttle.

Application of special materials and long-duration lubricants assure maintenance-free operation and long service life. Mounting of the actuator is possible in any fitting position.

The robust and enduring model with IP6K9K degree of protection allows operation under roughest ambient conditions.

Application range

- Gas engines
- Dual-fuel engines



Features

Can be used as throttle valve

Quick response time

Contactless high precision feedback

Robust and enduring construction with minimal axial bearing load

Suiting most types of current MAN gas engines

Completely maintenance-free

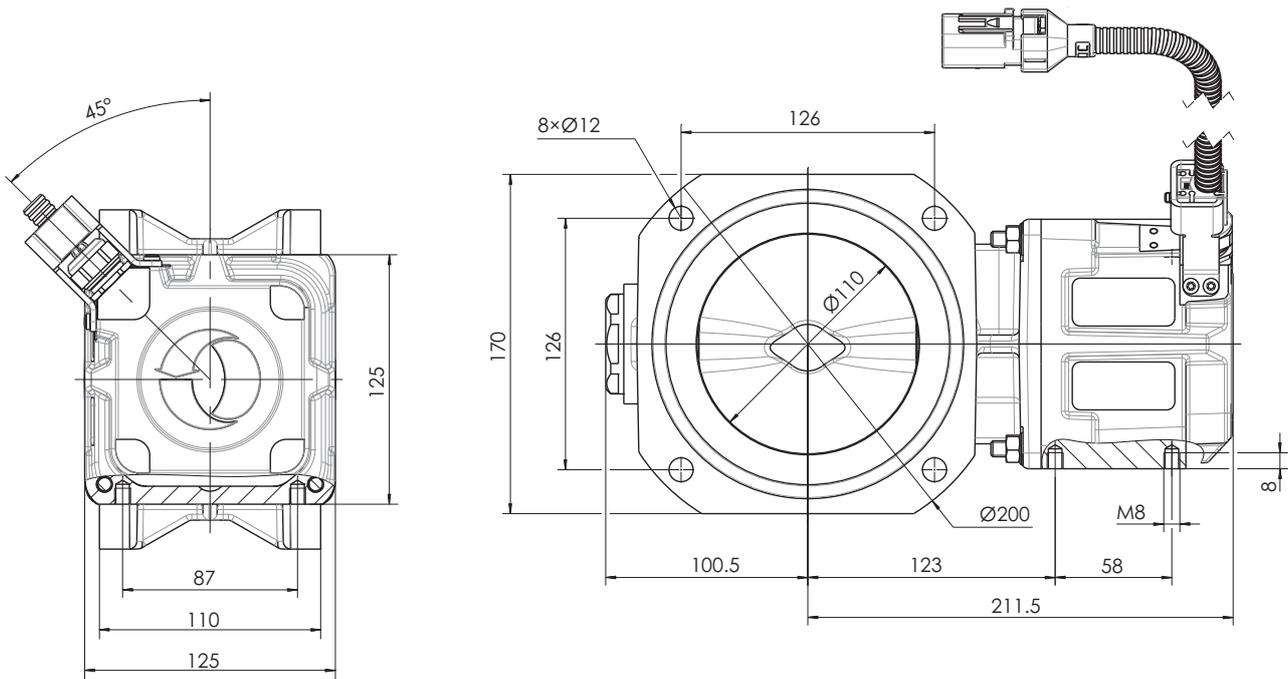
IP6K9K degree of protection

Any mounting position possible

Standard dimensions of flange

Applicable for a wide range of gases (e.g. natural gas, landfill gas, biogas, propane)

Dimensions



Technical data

| | |
|-----------------------|------------------------|
| Steady state torque | 3 Nm |
| Maximum torque | 6 Nm |
| Rotation | 72° |
| Response time *) | < 70 ms |
| Current consumption | max. 6 A |
| Steady state current | 3 A |
| Engine power range | approx. 100 ... 300 kW |
| Boost pressure | max. 4 bar abs. |
| Operating temperature | -40 ... +80 °C |
| Degree of protection | IP6K9K |
| Weight | approx. 8 kg |

*) Depending on controller

Variants on request.

Certificates

On request

Subject to alterations. ©HEINZMANN GmbH & Co. KG, 2018



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