

Marine and Offshore PTO and pump drives

High-end technology for the marine and offshore industry: Katsa's specialized power take-off (PTO) and pump drive gearboxes and clutches

Gearboxes tailored to fit for customers' requirements by 100% with uncompromising quality have always been Katsa's passion. Especially with the design and production of PTO gearboxes for a broad variety of onshore mobile applications Katsa has decades of valuable experiences. With the launch of Katsa's first marine firefighting (FiFi) gearbox on the SMM 2016 in Hamburg, Katsa has started utilizing learnings from on and off-road mobile applications also in marine and offshore business.

Depending on the application and gearbox/clutch configurations power can go up to 1.200 kW and clutch torques up to 16.000 Nm. Gear ratios can be adapted project related. Katsa has also developed an integrated control system expanding the life time and performance of the gearboxes and clutches. The control system can be either integrated into the main control or separately as a stand-alone with a panel on the bridge.

Based on the proven technology Katsa has now developed a series of PTO gearboxes and clutches designed for the marine and offshore market. Typical applications include hydraulic power supplies on fishing vessels and tug boats, but also all kind of work boats, where hydraulics are needed. These PTO gearboxes can also be used for driving and engaging cargo pumps on commercial vessels or mud pumps in oil & gas applications.

Katsa's PTO's and clutches come with:

- wet running multi-plate hydraulic clutches
- independent oil circulation with sufficient oil sump and pump
- marine oil/water cooler for sea water
- specially for marine applications designed hydraulic block with integrated oil filter
- various instrumentations possible

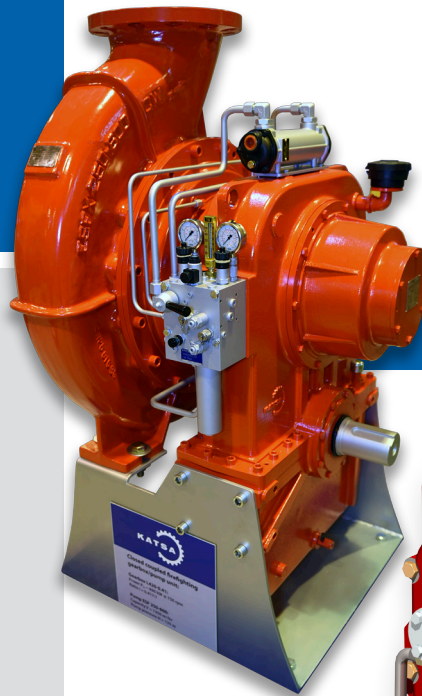
Optional:

- Bell housing connection up SAE 00 on input shaft
- integrated control and clutch protection system
- remote bridge control

➔ **Smart and reliable design for harsh conditions!**

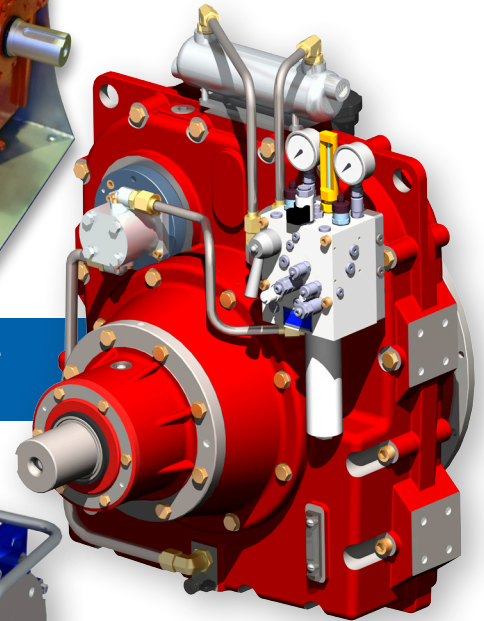
Get in contact and we will improve the overall performance of your PTO and pump drives to a new level.

Katsa Oy designs and manufactures power transmission components. Katsa is a supplier of special gear units which are tailored to meet the customer's demands. For end users, Katsa provides modelling, modernisation, gearbox repair and maintenance services as well as spare parts. Moreover, Katsa manufactures a range of toothed components as single batches and in serial production.

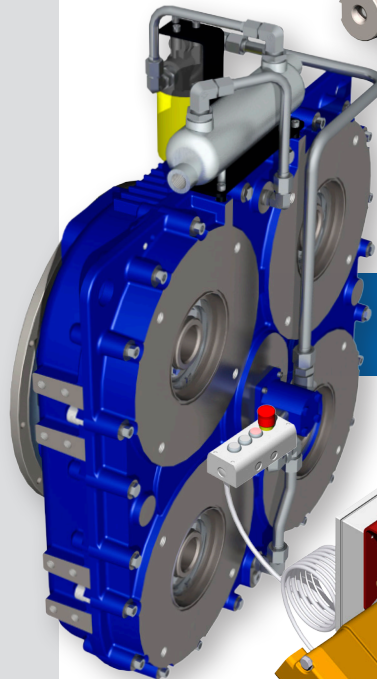


FiFi-gearbox/pump
assembly SMM 2016

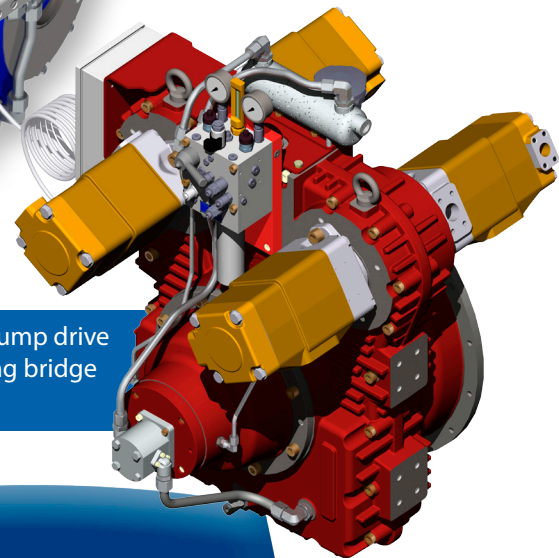
Series 300 marine
clutch



Series 400 marine
pump drive



Series 350 pump drive
unit including bridge
control



Katsa – Geared for You

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