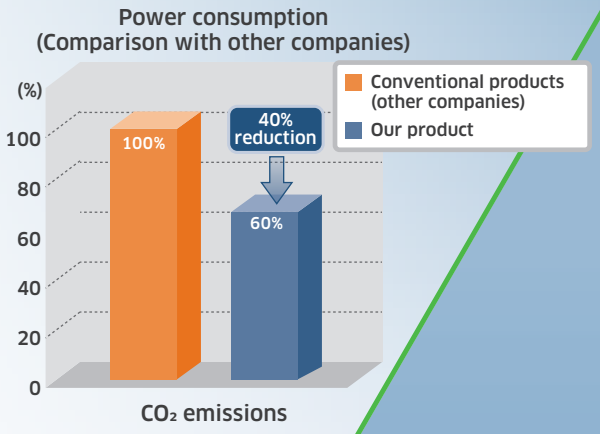
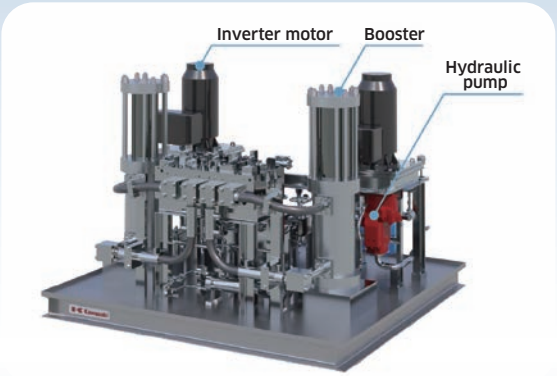
Kawasaki
Powering your potential

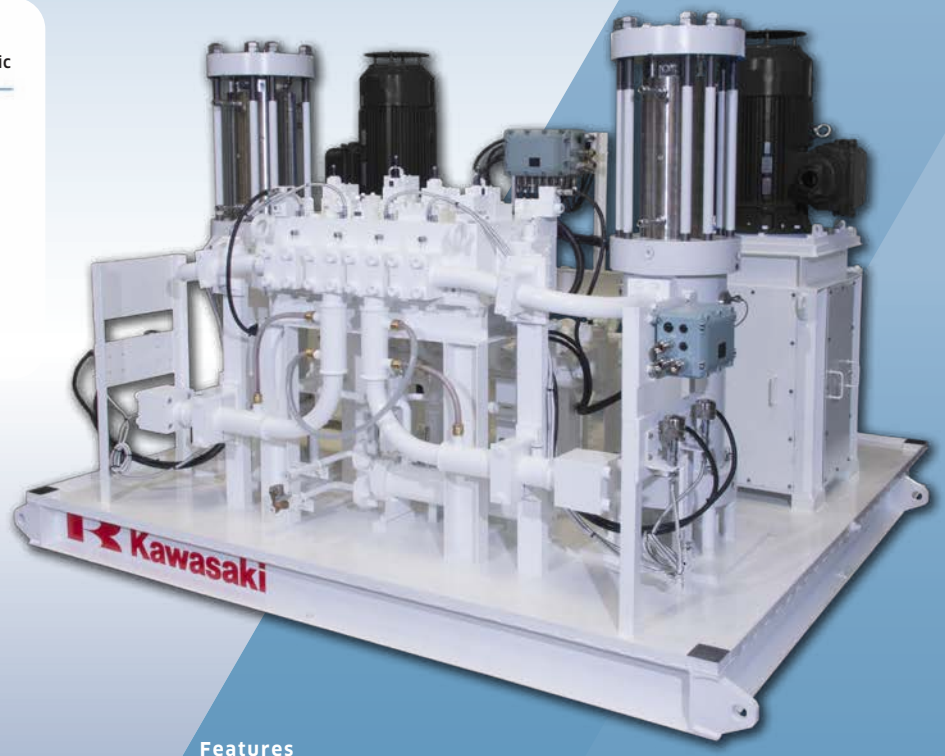
Hydraulic booster “Hydrogen Compressor”

Reduces CO_2 emissions when filling high-pressure hydrogen gas at hydrogen stations

This is a booster-type compressor that uses hydraulic system as its power source and discharges hydrogen gas at high pressure.
By adopting a rotation speed control method for the hydraulic system, we have achieved a reduction in power consumption of approximately 40% compared to conventional reciprocating compressors.







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Product Description

Hydraulic booster type hydrogen compressor for filling the pressure tank at hydrogen refulering stations with high-pressure hydrogen gas.

Features

- Achieves longer life for high-pressure hydrogen gas sliding seals compared to other products
- Uses hydraulic pressure tank to reduce hydraulic oil consumption
- Simplified hydraulic circuit prevents deterioration of hydraulic oil and reduces maintenance oil consumption
- Unique pump unit structure achieves low noise (machine side 65dB)

Kawasaki Heavy Industries, Ltd.