STAFFA SMART MOTOR

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The Next Generation of The Radial Piston Motor

STRONGER SMARTER STAFFA



BESMART WHY GO SMART?

Controllability

Efficiency

AND THE DEC

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Connectivity

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WHATEVER THE CONDITIONS TRUST STAFFA

Controllability...

- The Staffa Smart Motor features continuously variable displacement control from full displacement down to 10% of maximum displacement (maximum and minimum displacement settings can be selected).
- Using digital control allows the Staffa Smart Motor to respond rapidly to user inputs.
- Displacement control and changes can be made while the motor is under load and operating in either motoring or pumping mode.
- The control system integrated into the Staffa Smart Motor is operated independently of the motor's operating conditions. This ensures smooth and stable operation over the full pressure-speed envelope.
- The Staffa Smart Motor is highly configurable, with emergency condition responses and override conditions fully adjustable to suit each application.
- A wide range of measurements and motorspecific parameters can be read from the Staffa Smart Motor, such as torque, efficiency and shaft power.

ROBUST AND RELIABLE

BASED ON THE RELIABLE HPC MOTOR

Efficiency...

- By matching the motor's displacement to the loading conditions, system efficiencies can be maximised.
- When used with modern pump controllers, the Staffa Smart Motor will unlock improvements in system efficiency for truly sustainable drive solutions.
- The Staffa Smart Motor has been developed in line with Kawasaki's Group Vision 2030 to provide "Trustworthy Solutions for the Future".

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Connectivity...

- A CANOpen interface onboard the Staffa Smart Motor means that all inputs, outputs and motor variables are available to other devices.
- Variables that are available via the CANOpen connection include torque, power, speed, differential pressure, rotational position, measured displacement and mechanical efficiency.
- All variables are live and updated many times per second without any smoothing or time averaging.

INTELLIGENT HYDRAULICS

A NEVER STOP

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