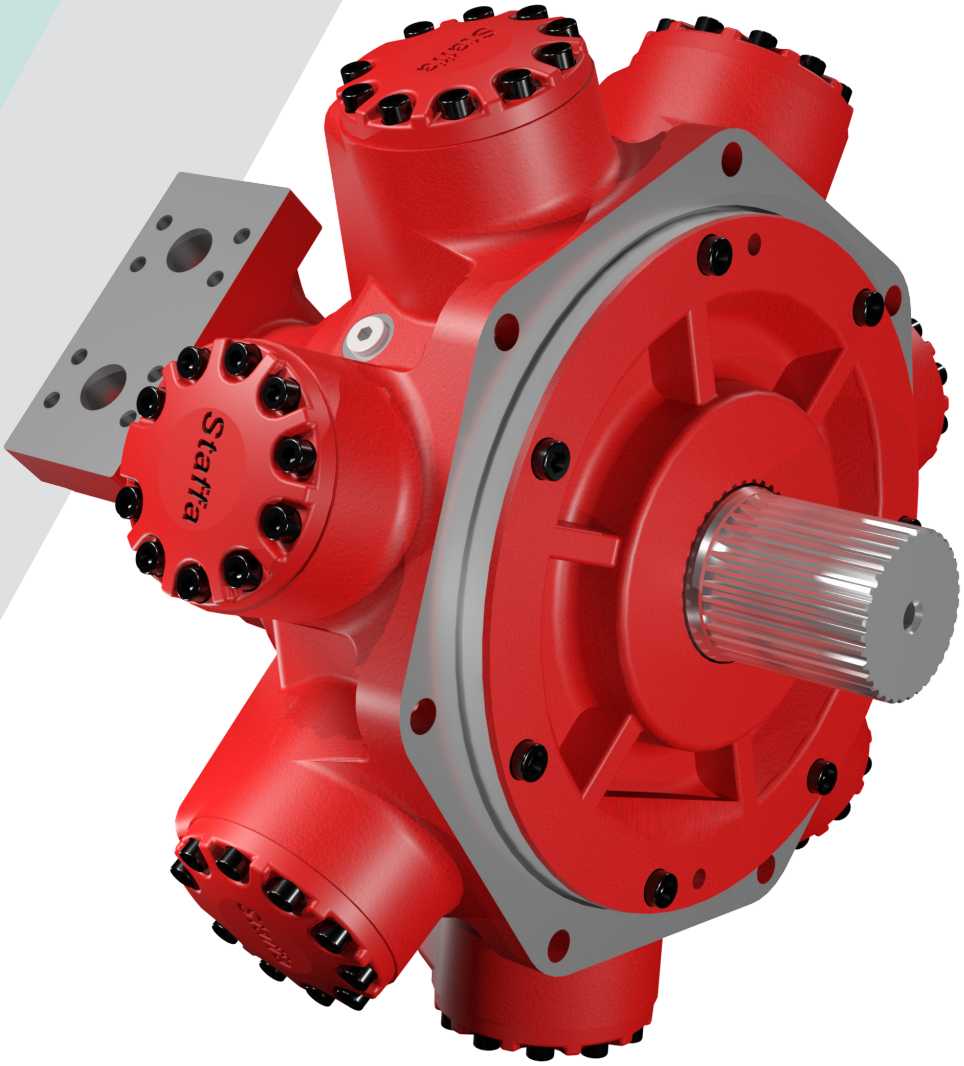
STAFFA

Hydraulic Motors For The Marine Industry



STRONGER
SMARTER
STAFFA

Kawasaki
Powering your potential

A product and a partner that won't let you down

Kawasaki Precision Machinery is a global leader in hydraulic engineering, with over a century's experience designing and manufacturing cutting edge solutions for the most demanding of applications.

Staffa continues to set the standard for hydraulic motors. Our motors are known the world over for their efficiency, reliability and durability – making them the perfect choice for the marine industry.

STAFFA NEVER STOPS

We're proud that the Staffa radial piston motor is still the hydraulic motor of choice for the toughest of marine applications. The Staffa range includes single, dual and triple displacement motors; all of which offer unrivalled reliability, high efficiency, excellent breakout torque and smooth running as standard.

STAFFA NEVER STOPS

Your motor. Your way.

The Staffa range of motors can be customised to meet your needs, with a wide range of motor sizes, porting options, shaft types and special features. Whatever your application requirements, there's a Staffa motor that is the perfect fit.

Features of Staffa

- Single, dual, triple displacement motors
- High torque at low speed and very high breakout torque
- Dynamic displacement change (under load and while turning)
- Freewheel option available
- 250 bar continuous pressure rating, 300 bar intermittent

STAFFA NEVER STOPS

Optional additions

- High pressure shaft seal (10 bar)
- Marine spec primer paint
- Multiple shaft options
- Multiple porting options
- Speed and pressure sensors
- Multiple classification certification options - Static pressure to DNV rules 405bar (DNV-GL-RU-Ship Part 4.).

Scan here to contact Kawasaki for more information on Staffa Motors

HPB Single Displacement Radial Piston Motor

Motor Type	Displacement (cc/rev)	Max Torque @ 275bar (N m)	Continuous Shaft Power (kW)
HPB060	983	3,990	131
HPB080	1,344	5.555	147
HPB100	1,600	6,628	165
HPB125	2,050	8,472	202
HPB150	2,470	10,310	234
HPB200	3,087	13,000	261
HPB325	5,322	22,430	278

HPC Dual Displacement Radial Piston Motor

Motor Type	Displacement (cc/rev)	Max Torque @ 275bar (N m)	Continuous Shaft Power (kW)
HPC080	1,600	6,628	165
HPC125	2,048	8,470	202
HPC200	3,087	12,980	261
HPC325	5,326	22,440	278
HPC400	6.555	27,500	430

Additional motor sizes available on request.

HMF Three Speed Radial Piston Motor

Motor Type	Displacement (cc/rev)	Max Torque* @ 275bar (N m)	Continuous Shaft Power * (kW)
HMF100	1,600	6,625	165
HMF200	3,087	12,980	261
HMF325	5,326	22,440	278

*High power version available

The Next Generation of Hydraulic Motor:

Staffa Smart Motor

Introducing the new Staffa Smart Motor. Based on the HPC model, the Staffa Smart Motor maintains the reliability and robustness of a hydraulic motor, whilst offering the controllability of an electric drive and inverter. Using digital control, the Staffa Smart Motor is able to respond rapidly to user inputs and changing loading conditions. The onboard CanOPEN connection means that motor and control variables, such as shaft power, output torque, rotation speed, shaft position, mechanical efficiency and differential pressure can all be tracked in real time.

- Continuously variable displacement change
- Displacement change is possible whilst the motor is running, and under load
- Displacement control is independent of operating conditions
- CANopen connectivity
- Offers accurate torque output, without the need for an expensive torque sensor

‘the reliability and robustness of a hydraulic motor, whilst offering the controllability of an electric drive’

Efficiency

Controllability

Connectivity

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Kawasaki

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