



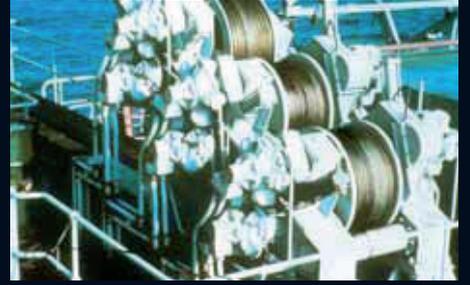
SHARING THE FUTURE



**HMC**

**Staffa Dual Displacement Radial Piston Motors**

# KAWASAKI STAFFA<sup>®</sup> HYDRAULIC MOTORS



Since 1955, when the first radial piston high torque low speed motor was designed by our engineers, Staffa has maintained leadership in fulfilling customer needs. Today, Staffa motors have the most technically advanced design on the market.

With a range of hydro-mechanical, electro-hydraulic and electronic control and positional systems, Kawasaki Staffa motors have been used in the most demanding of applications - worldwide. Staffa motors are the choice of industry leaders to directly propel, drive, swing, or rotate heavy loads and inertias at low speeds.

Staffa motors are used on: plastic injection moulding machines (extruder screw drives), mining machinery (swing, track, wheel, bucket, and cutterhead drives), earthmoving and construction equipment (wheel, track, swing and implement drives), marine machinery (winch and steering mechanisms), and forestry machines (swing and cutterhead drives) as well as many others.



## ● INTERIOR FEATURES

Kawasaki Staffa motors – where power, efficiency, quality and reliability come together.

### Valve Spool:

Nitrided for potentially higher running speeds.

### Port 'Y' Pressurised:

Provides high motor displacement.

### Port 'X' Pressurised:

Provides low motor displacement.

### Spacer Plate:

Located between the valve assembly and motor case to provide the displacement shift ports.

### Valve Rings

Cast iron for higher speed capacity.

### Dual Displacement Drum:

Allows for two speeds with equal power from either direction of rotation.

### Helical Spring:

Assists natural bias to high displacement in the event of pressure loss to X and Y ports.

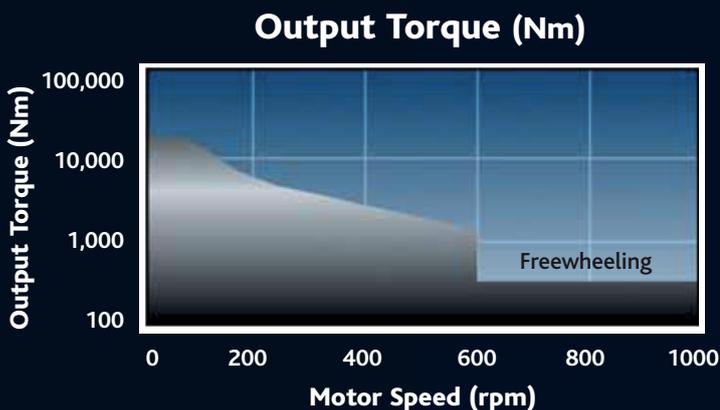
### Constant Horsepower Control:

Constant horsepower, continuously variable control can be achieved using pressure compensated valving.

\*Please refer to HMB brochure for general Staffa features

## ● BENEFITS

- Various control options to include continuously variable & constant power. Also options for integral shuttle valve, directional valve, electronic positional & speed control systems.
- Consistent, controlled acceleration of loads with smooth, steady, low speed operation.
- Moving parts are immersed in hydraulic fluid, so Staffa motors do not require periodic lubrication.
- Save money by increasing usable drive power and reducing drive train maintenance.
- The only fully hydrostatically balanced design in the industry.
- Less wear and superior starting torque because there is minimal metal-to-metal contact within the motor.
- Modular design concept enabling the motor to be continuously adapted to the changing customer needs. This concept also allows product availability and service to be matched to market requirements.
- All motors are rigorously tested and documented before shipment and are fully warranted.



## ● WORLD INDUSTRY RELIES ON STAFFA

Staffa - the world leader in HTLS hydraulic motor technology - is the choice of leading machine builders for today's innovative applications. More Staffa motors than any competing brand are operating around the world in industrial, mobile and marine machinery. Latest technology, global acceptance and proven reliability are additional reasons you should make Kawasaki Staffa your choice.

### C MOTOR SPECIFICATIONS\*

Models	Displacement cm <sup>3</sup> /rev	Rated torque Nm	Continuous ratings		
			Speed r/min	Power Kw	Pressure bar
C030	High 492	1420	450	60	207
	Low 246	662	600	35	
C045	High 737	2662	450	99	250
	Low 573	2010	600	79	
C080	High 1475	5505	300	138	250
	Low 737	2650	600	99	
C125	High 2048	7475	190	135	250
	Low 983	3200	390	81	
C200	High 3080	11650	155	174	250
	Low 1470	5250	260	105	
C270	High 4588	17350	120	189	250
	Low 1310	4275	350	73	
C325	High 5326	20100	100	189	250
	Low 1557	5225	350	85	

\*Please refer to full technical specification prior to application

# KPM

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