



Impressive performers, built to last.

The Parker F11 Series.

F11 Compact Hydraulic Pumps and Motors

The **F11 Series** has been developed with demanding applications in mind. High power, compact installation dimensions, low weight and reliability are some of its most important features. The F11 motors are perfectly suited for a wide range of mobile, industrial and marine applications and are available in sizes from 5 through 19 cm³/rev. Combine the F11 with other products from the wide Parker range to achieve an optimised, well-balanced hydraulic system.

Technical data	Frame size:	F11-5	F11-10	F11-14	F11-19
Displacement (cm ³ /rev)		4.9	9.8	14.3	19.0
Motor operating speed (r/min)	max. intermittent	12000	11000	10000	9000
	max. continuous	10800	9900	9000	8100
	min. continuous	50	50	50	50
Operating pressure (bar)	max. intermittent	420	420	420	420
	max. continuous	350	350	350	350
Pump self priming speed (r/min)	max	4600	4200	3900	3500



Special versions:

F11 Saw Motor

A dedicated saw motor model is available in frame sizes 10, 14 and 19. The motor allows mounting without any additional bearings.

F11 Fan Motor

A dedicated fan motor model is available in frame sizes 10, 14 and 19. These have built-in check valves and CETOP mounting flanges.

For detailed technical information, see catalogue no. HY17-8249/UK.

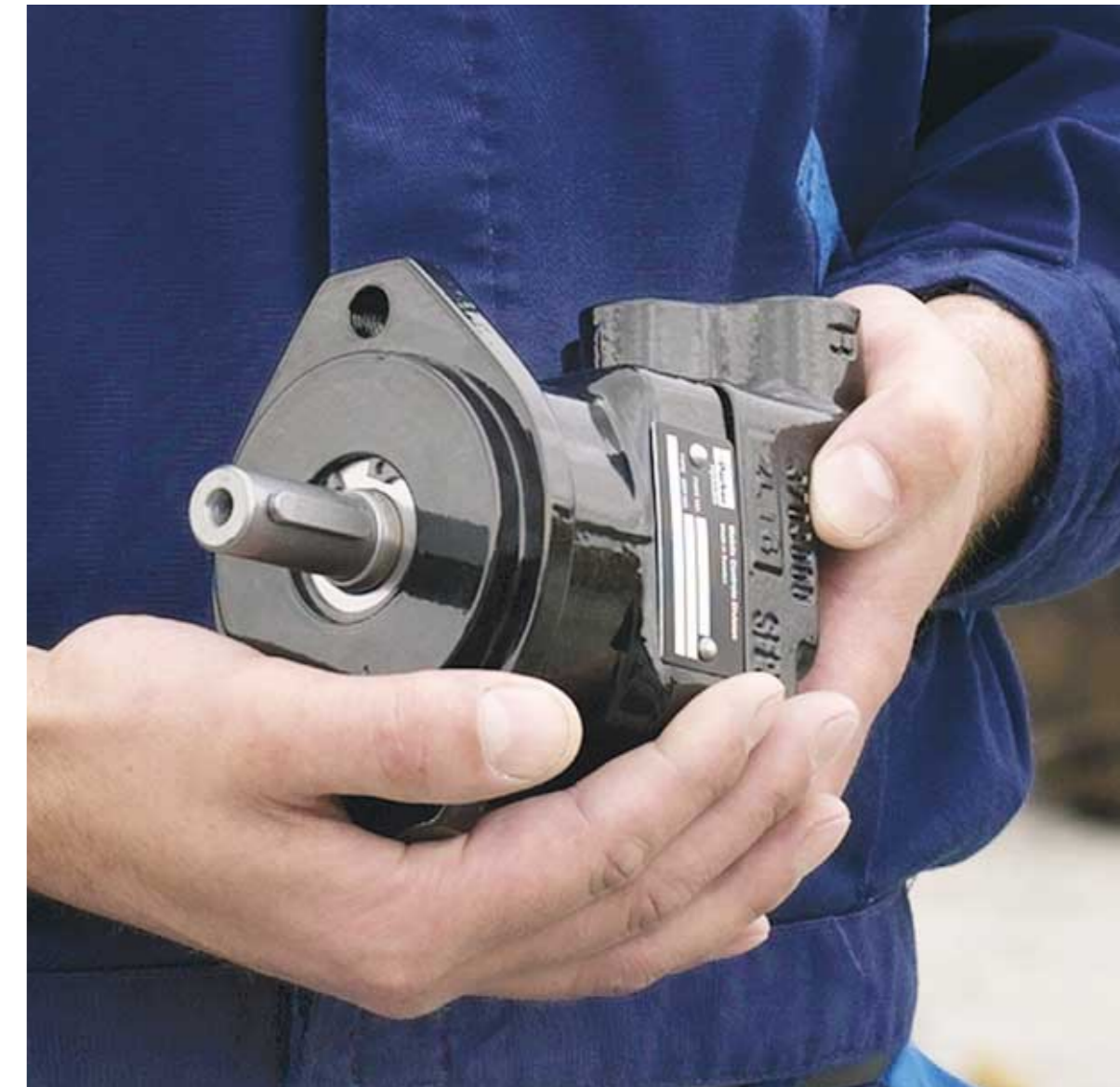


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 5M 10/03 S&S



Fixed Displacement Pumps and Motors Series F11



Compact hydraulic motors for demanding users

F11 – Compact and Powerful with Unbeatable Performance

Now – an even wider selection!

Over the years, Parker's F11 motors have become famous due to their unbeatable performance. Now we introduce an additional frame size to the F11 family – the new F11-14. Thanks to the expanded range, we can supply the ideal motor size for any type of application. Choose between the F11-5, the F11-10, the new F11-14 and the F11-19 – all built to last under extreme conditions.

Wide speed range

There are many applications which require fast-revving motors. Reliable operation at very high speeds (as well as very low) have long been a Parker trademark feature, with capacity for continuous speeds up to 10,800 rpm.

Unbeatable efficiency

The Parker F11 series delivers high efficiency across the entire operating range. This translates into more power and higher speed capacity, with better performance and improved fuel economy as a final result.

Compact and robust with high power capability

The F11 motors are well known by demanding users for their extremely robust design, providing reliable service under conditions where other motors often fail. This is achieved despite their minimal dimensions – a result of advanced design using as few moving parts as possible, among them Parker's unique lightweight pistons that reduce centrifugal forces significantly. All these features add up to the highest power-per-kilogram rating of all hydraulic motors on the market today.

External load capacity

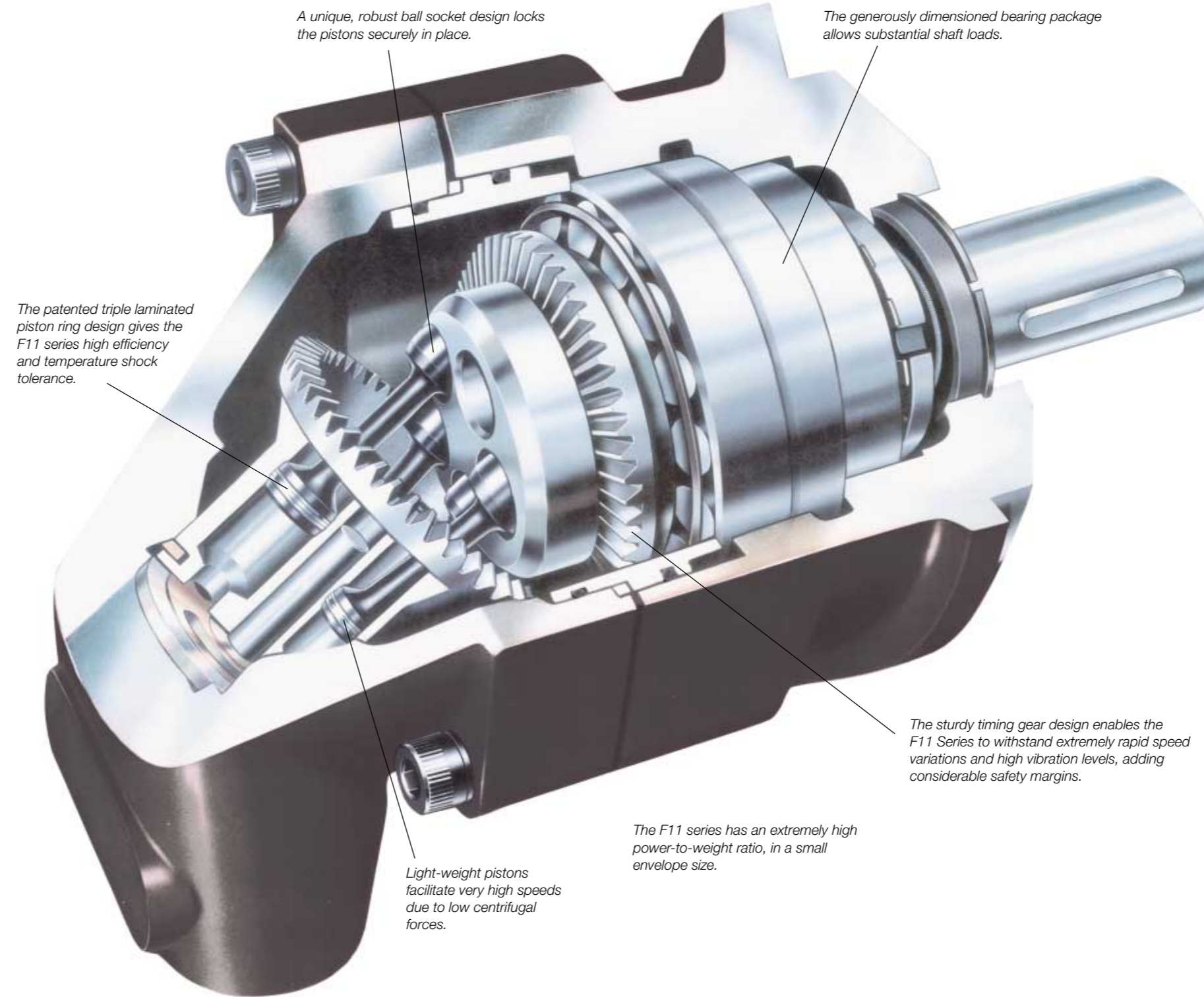
To further enhance the F11's suitability for hard work, all models have heavy duty bearings allowing direct mounting of equipment such as propellers, fans, belt drives, etc.



The new F11-14 with built-in check-valve.

NEW!
F11-14

- **14 cc/rev!**
- **9000 rpm!**
- **350 bar!**



A unique, robust ball socket design locks the pistons securely in place.

The generously dimensioned bearing package allows substantial shaft loads.

The patented triple laminated piston ring design gives the F11 series high efficiency and temperature shock tolerance.

Light-weight pistons facilitate very high speeds due to low centrifugal forces.

The sturdy timing gear design enables the F11 Series to withstand extremely rapid speed variations and high vibration levels, adding considerable safety margins.

The F11 series has an extremely high power-to-weight ratio, in a small envelope size.

Strong points:

- **Wide speed range**
- **Unbeatable efficiency**
- **Compact and robust**
- **High power capability**
- **External load capacity**

