



Vane-Type Wide Speed Range Hydraulic Motor

- 2-speed versions
- Double motors for higher torque and high speed
- Through hole shafts
- High load radial and thrust bearings available
- Drill motor versions with API threads
- Displacement choices beyond catalog listings
- High performance series for increased pressure (to 5000 PSI) and speeds



A series of fixed displacement motors with nominal ratings of 50 to 400 HP, and a speed range up to 2000 RPM depending on model. Larger models operate at full power from 150 to 400 RPM down to less than 1 RPM. "Vane-crossing-vane" principle gives them high starting torque, high efficiency, and envelope size and weight about half that of other motors. They are radially balanced for maximum bearing life and they can accept moderate side loads.

Rated 3000 PSI continuous, 3500 intermittent, all models. Intermittent is defined as no more than 10% every minute. Required filtration 25 µm. Start and stall torque are very nearly equal to running torque shown in chart. Efficiency 90 to 92% under optimum conditions.

Frame size is identified by first two digits in model number. The remaining digits show cubic displacements of motors available in each frame size. Straight shafts are standard, spline shafts are optional.

Series	Displ.	Speed (RPM)		Torque (FT. LBS)		Weight (LBS)	SAE Configuration
		Continu-ous	Intermit-tent	At 3000 PSI	Per 100 PSI		
15	6	2000	2600	183	6.1	43	C
15	7	1900	2600	230	7.7	43	C
15	8	1800	2600	274	9.1	43	C
15	9.5	1700	2300	317	10.6	43	C
15	10.5	1600	2300	352	11.7	43	C
15	11.5	1600	2300	420	14.0	43	C
15	13	1500	2000	430	14.3	43	C
15	15	1500	2000	529	17.6	43	C
37	12	1000	1200	390	13.0	106	D
37	16	1000	1200	540	18.0	106	D
37	20	1000	1200	707	23.6	106	D
37	26	800	1000	920	30.7	106	D
37	32	700	950	1143	38.1	106	D
37	37	600	800	1315	43.8	106	D
57	48	500	600	1677	55.9	123	---
57	55.5	500	600	1948	64.9	123	---
125	60	350	400	2140	71.3	225	---
125	68	350	400	2394	79.8	225	---
125	82	300	350	2946	98.2	225	---
125	98	300	350	3525	117.5	225	---
125	113	300	350	4069	135.6	225	---
125	125	300	350	4522	150.7	225	---
125	150	150	200	5340	178.0	280	---
125	164	150	200	5892	196.4	280	---
125	180	150	200	6471	215.7	280	---
125	196	150	200	7050	235.0	280	---
125	226	150	200	8138	271.3	280	---
125	250	150	200	9044	301.5	280	---

Physical Data — All Models

Motor Series	Lgth Over Shaft	Max. Width, Inches	Shaft Dia., Inches	Porting Arrangement	Mounting Specifications	Case Drains SAE
15	9½	6 ¹ / ₁₆	1¼	1¼ SAE 4-bolt	SAE "C" 4-bolt	9/16-18
37	11¼	8 ⁵ / ₁₆	1¾	1½ SAE 4-bolt	SAE "D" 4-bolt	3/4-16
125	15½	11½	3½	1½ SAE 4-bolt	6-bolt Flange	3/4-16

SPECIAL VARIATIONS. On special order these motors are available with through-hole (shaftless), through-shaft (round or splined), double shaft, as wheel motors, and in 2- speed models. Contact your **Womack** office for more information.



15 Series Wide Speed Range Hydraulic Motor

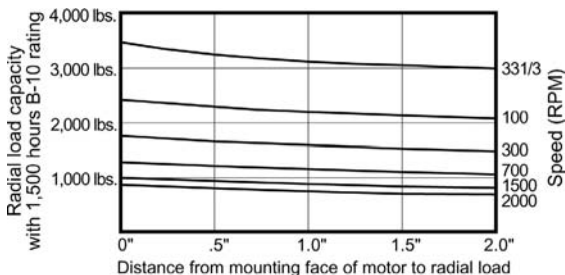
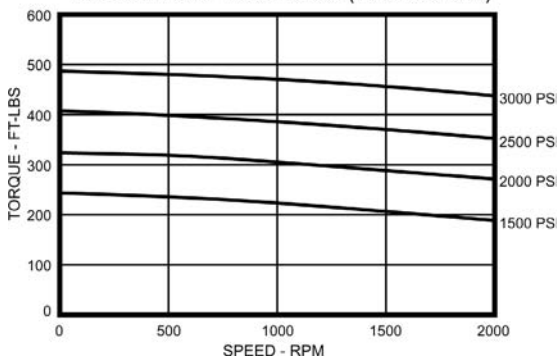
- Eight fixed displacements from 6 to 15 cu. in.
- Envelope dimensions constant regardless of displacement
- Speed up to 2,500 RPM
- Up to 50 horsepower
- SAE "C" mounting and shaft
- Weighs 43 lbs. (all displacements)



General Description

The 15 series is Rineer's smallest displacement size range motor. It features displacements of 6, 7, 8, 9.5, 10.5, 11.5, 13, and 15 and operates at 3000 PSI continuous, 3500 intermittent. The mounting position is unrestricted. There are many field-proven uses of the 15 series including winch drives, conveyor drives, saw drives, drill, pump drives, and compressor drives. The motor fits well into many auxiliary drive positions on larger equipment.

15 Series Motor Performance (13 CID shown)





37, 57 Series Wide Speed Range Hydraulic Motor

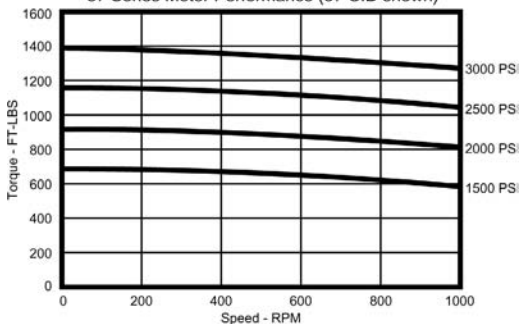
- Six fixed displacements from 12 to 37 cu. in.
- Envelope dimensions constant regardless of displacement
- Speed up to 1,000 RPM
- Up to 100 horsepower
- SAE "D" mounting and shaft
- Weighs 106 lbs. (all displacements)



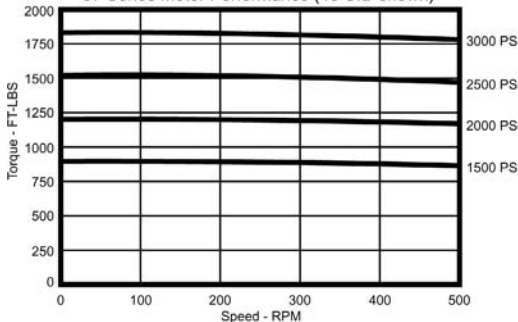
General Description

The 37, 57 series is Rineer's medium displacement size range motor. It features displacements of 12, 16, 20, 26, 32, and 37 in the 37 Series and 48 and 55.5 cu. in. in the 57 Series. These motors operate at 3000 PSI continuous, 3500 intermittent and the mounting position is unrestricted. There are many field-proven uses of the 37 & 57 series including fan drives, injector drives, drilling, horizontal boring, roller and actuator drives. The motor is a workhorse as a primary mover on mid-size equipment.

37 Series Motor Performance (37 CID shown)



57 Series Motor Performance (48 CID shown)





125 Series Wide Speed Range Hydraulic Motor

- Variety of fixed displacements from 60 to 250 cu. in.
- Speed up to 350 RPM
- Up to 240 horsepower continuous
- SAE "C" mounting and shaft
- Operational port and shaft configurations
- Drill motors available



General Description

The 125 series is Rineer's largest displacement size range motor. It features displacements of 60, 68, 82, 98, 113, and 125 in single, double, and 4-port envelopes and operates at 3000 PSI continuous, 3500 intermittent. The mounting position is unrestricted. There are many field-proven uses of the 125 series including top head drives, rock crushing equipment, shredders, horizontal boring, blast hole drilling, and core drilling to name a few. The 125 Series is your answer for powerful main drive motors, replacing larger, heavier lower performance motors.

125 Series Motor Performance (125 CID shown)

