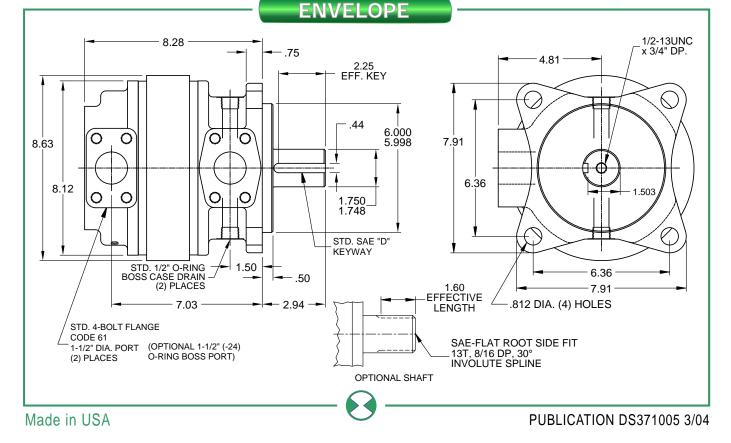


POWER to be the Best!

Features of the 37 Series Standard Motor: Standard Motor - 3000 PSI (Code 61)

- Six fixed displacement motors ranging from 12 in³ to 37 in³.
- 4-Port double motors from 24 in³ to 74 in³ allowing for two-speed operation with external valving.
- Starting and stall torques equal to 90-94% of theoretical torque.
- Speed to 1,000 RPM continuous.
- Up to 175 HP continuous.
- Conforms to SAE 'D' mounting specification.
- Weighs 106 lbs.





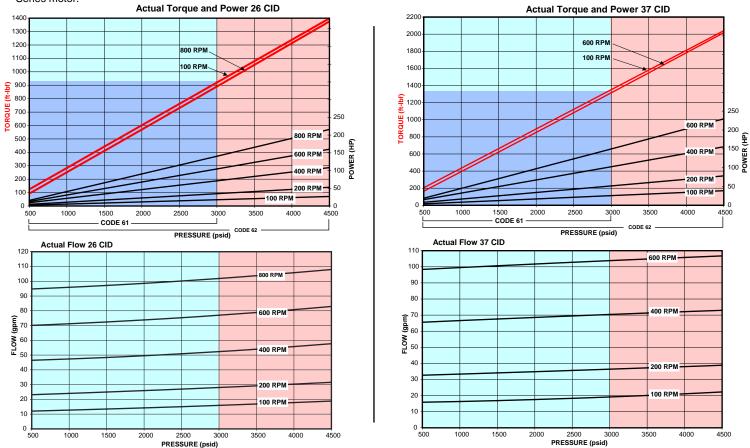
MOTOR SELECTION GUIDE

RAITER

Performance Data

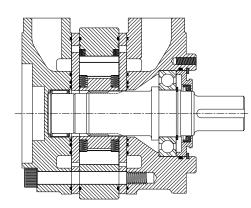
Charts shown are for 26 and 37 CID. See website at www.rineer.com for additional charts. Performance data obtained at 140° F with ISO 46 (DTE 25). Code 61 and 62 data shown. Code 62 extended data applies only to Code 62 High Pressure Series motor.

VANE CROSSING VANE - With it's vane crossing vane design, the Rineer motor produces much higher volumetric and mechanical efficiencies than is possible with a standard vane type design. This design provides a sealing vane between stator cavities to improve mechanical and volumetric efficiencies.



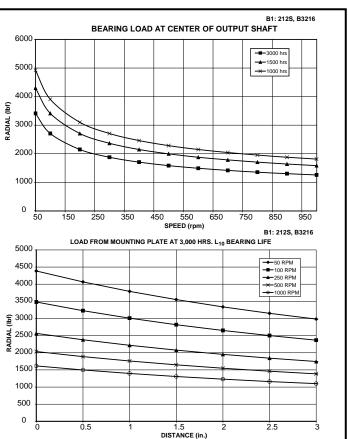
Performance of the Rineer 37 Series Motor has been greatly enhanced by internal design changes resulting in a pressure balanced rotating group. Benefits of this new design include reduced cross port leakage and increased efficiency as well as greater reliability at higher pressures. This patented design has been in effect for over 5 years.

Bearing Data - Standard Motor



BEARING LOADING - The bearings in the 37 Series can accept radial load per the radial capacity charts to the right. Thrust loading is not recommended for the standard motor. For thrust-type applications, see the thrust capable motor bearing chart on the opposite page.

HORSEPOWER LIMITATION - Maximum horsepower limitation may vary with different applications. When using the 37 Series standard motor above 175HP, consult a Rineer Application Engineer.



Envelope - Double Key

STARTING AND STALL TORQUE

The Rineer motor produces torque curves which are virtually flat, with starting and stall torque equal to approximately 90-94% of theoretical torque.

MORE POWER STROKES PER REVOLUTION

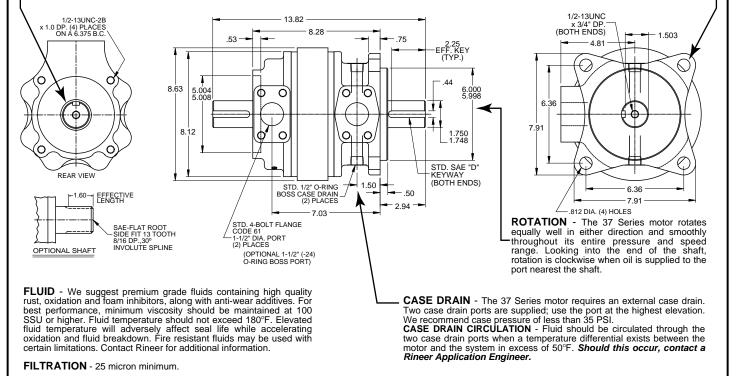
The 37 Series has four stator cavities and 10 rotor vanes. Each rotor vane works in each stator cavity once per revolution, which results in 40 power strokes per revolution. This helps produce higher mechanical efficiency and flatter torque curves.

- SEALS - Viton shaft seals are supplied standard. Buna N static seals are supplied standard. Viton static seals may be ordered as an option.

CASE DRAIN AND CROSS PORT LEAKAGE

The combined case drain and cross port leakage of the 37 Series motor is approximately 1 GPM per 1,000 PSI. This will vary with the oil viscosity and internal clearance selection.

SAE 'D' MOUNTING - The 37 Series mounting configuration conforms to SAE 'D' 4-bolt specification, with the exception of the – omission of the undercut on the splined shaft. The mounting position is unrestricted. The shafts, pilots, and mounting faces should be within .002 TIR.



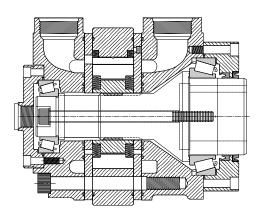
Bearing Data - Thrust Capable

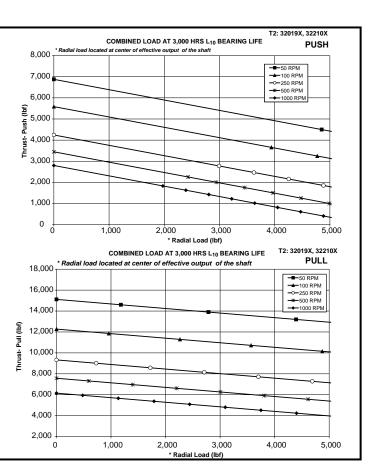
BEARING LOADING THRUST CAPABLE

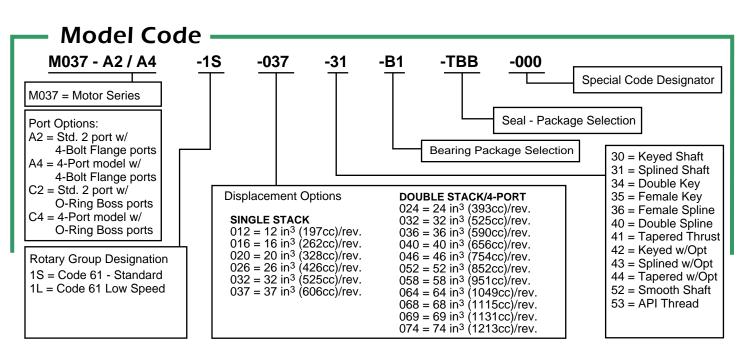
The bearings in the 37 Series Thrust capable motor can accept thrust and radial load per the push/pull capacity charts to the right. Thrust loading is allowed up to the parameters indicated on the charts with shaft configurations including standard keyed and splined as well as the female shaft type shown below. For applications not requiring thrust, see the standard motor bearing charts on the opposite page.

HORSEPOWER LIMITATION -

Maximum horsepower limitation may vary with different applications. When using the 37 Series standard motor above 175HP, consult a Rineer Application Engineer.







Applications



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For over 35 years, we have specialized in only one thing - engineering the right motor for your needs. Rineer delivers the performance you can count on.

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Limited Warranty Policy

Rineer Hydraulics, Inc. warrants that, at the time of shipment to Purchaser, our product will be free of defects in the material and workmanship. The above warranty is LIMITED to defective products returned by Purchaser to Rineer Hydraulics, Inc., freight prepaid within four hundred and fifty-five (455) days from date of shipment, or one (1) year from date of first use, whichever expires first. We will repair or replace any product or part thereof which is proved to be defective in workmanship or material. There is no other warranty, expressed or implied, and in no event shall Rineer Hydraulics, Inc. be liable for consequential or special damages. Dismantling the product, operation of the product beyond the published capabilities or for purposes other than that for which the product was designed, shall void this warranty.





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