

## VRS-2 FEATURES

275 hp at 1800 rpm

3" Stroke

Combined rod-load capacity of 20,000 lbs

Separate distance pieces

Babbitted crossheads

Double-acting and steerable cylinders from 2.25" to 10" diameter

Variable volume clearance pockets

Pressurized cylinder lubrication

Hoerbigers latest valve design

Carbon filled Teflon® rings and packing

## PACKAGE OPTIONS

Engine Drive or Electric Motor Drive

Low BTU Carburization

Standard or Critical Grade Silencers and Catalytic Converters

Class I, Div. 2, Group D Capable

Automatic Bypass System/Suction Makeup

Air/Gas Starter System

12V/24V Electrical System

Automatic Cooler Louvers

Suction & Discharge Companion Flanges

Trailer Mounting Available

Meter Systems/Tubes for Gas Flow/Fuel Measurement

Maintenance Spare Parts

## VRS-2 SPECIFICATIONS

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Stroke	3 in. (76.2 mm)
Speed, Rpm (Maximum)	1,800 RPM
Piston Speed	900ft/min (4.57 m/s)
Number of Throws	2
Horsepower	275 hp (205 kw)
Piston Rod Diameter	1.125 in. (28.575 mm)
Crankshaft Diameter	2.75 in. (69.85 mm)
Height - Bottom To Crankshaft	13 in. (330.2 mm)
Maximum Width	100 in. (2.54 m)
Maximum Length	33 in. (0.838 m)
Approx. Weight With Cylinders	2500 lbs (1134 kg)
Rod Load - Tension	10,000 lbs (4536 kg)
Rod Load - Compression	10,000 lbs (4536 kg)
Rod Load - Combined	20,000 lbs (9072 kg)
Oil Pump Capacity	4 GPM (15 LPM)
Oil Heat Rejection	3750 BTU/hr. (945 Kal/HR)
Oil Sump Capacity	4 gal. (15 L)

### COMPONENTS

Crankshaft Main Bearing Diameter	3.937 (100.0)
Crank Pin Diameter	3.125 (79.38)
Main Bearing Type	Spherical Roller
Connecting Rod Length CI-CI	8.375 (212.73)
Connecting Rod Bearing Width (Single)	1.745 (44.32)
Connecting Rod Bushing Width (Single)	2.125 (53.98)
Connecting Rod Bolts (Single)	(FOUR) 1/2"
Connecting Rod Bearing Width (Double)	1.370 (34.8)
Connecting Rod Bushing Width (Double)	1.125 (28.6)
Connecting Rod Bolts (Double)	(TWO) 1/2"
Crosshead Surface	5.50 X 4.5 (139.7 x 114.3)
Floating Crosshead Pin Diameter	2.499
Piston Rod Diameter	1.125 (28.575)

### MATERIALS

Frame	Class 40 Gray Iron
Crankshaft	Forging With Induction Hardened Journals
Connecting Rods	Forging
Connecting Rod Bearings	Tri-metal
Crossheads	65-45-12 Ductile Iron with Babbit
Crosshead Pins	SAE 8620 Carburized
Crosshead Pin Bushings	SAE 660 Bronze
Piston Rods	SAE 4140 Induction Hardened
Packing Rings	Carbon Filled Teflon with Cast Iron Backup Rings
Piston	Cast Iron or Anodized Aluminum
Piston Rings	Carbon Filled Teflon
Cylinders	80-55-06 Ductile Iron



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