

VRC-2 FEATURES

The Arrow VRC-2 is a two-throw separable reciprocating gas compressor. The horizontally opposed cylinders are accurately balanced for smooth running and long lasting durability at 1800 RPM. Unlike many other reciprocating compressors, the VRC-2 has a unique three-throw crankshaft configuration that eliminates opposing cylinder off-set and the vibration associated with traditional designs.

The use of a pressurized lubrication system, highly efficient Hoerbiger valves, industry proven accessories, innovative engineering design, and close attention to quality make the Arrow VRC-2 gas compressor unequalled in the industry.

Arrow Engine also sells standard skids and bottles, as well as ASME Code vessels. Call us for more information.

VRC-2 SPECIFICATIONS

SPECIFICATIONS

Rated Horsepower Hp (Kw)	150 (112)
Maximum Speed RPM	1800
Number of Throws	2
Rod Load - Tension Lb (Kg)	7000 (3175)
Rod Load - Compression Lb (Kg)	7000 (3175)
Rod Load - Combined Lb (Kg)	14,000 (6350)
Stroke In (mm)	3 (76.2)
Piston Speed Ft/min (M/s)	900 (4.57)
Crankshaft Diameter In (mm)	2.50 (63.50)
Crankshaft Height To CI In (mm)	12.75 (323.85)
Overall Length w/cyls. In (M)	22.5 (.57)
Overall Width w/cyls. In (M)	95 (2.41)
Unit Weight w/cyls. Lb (Kg)	1700 (771)
Oil Pump Capacity (Gpm) (Lpm)	4 (15)
Oil Heat Rejection BTU/hr (Kcal/hr)	3750 (945)
Oil Sump Capacity Gal. (Liter)	4 (15)

COMPONENTS

Crankshaft Main Bearing Diameter In (mm)	3.346 (84.988)
Crankpin Diameter In (mm)	2.447 (62.154)
Main Bearing Type	Spherical Roller
Connecting Rod Length CI-CI In (mm)	7.375 (187.325)
Connecting Rod Bearing Width (Single) In (mm)	1.604 (40.742)
Connecting Rod Bushing Width (Single) In (mm)	1.750 (44.45)
Connecting Rod Bolts (Single)	(Four) 1/2"
Connecting Rod Bearing Width (Double) In (mm)	0.802 (20.371)
Connecting Rod Bushing Width (Double) In (mm)	0.875 (22.225)
Connecting Rod Bolts (Double)	(Two) 1/2"
Crosshead Surface In (mm)	5.25 X 3.5 (133.35 X 88.90)
Floating Crosshead Pin Diam. In (mm)	2.235 (56.769)
Piston Rod Diameter In (mm)	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
Crosshead Pins	Ductile Iron SAE 8620
Crosshead Pin Bushings	Carburized SAE 660 Bronze
Piston Rods	SAE 4140 Induction Hardened



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