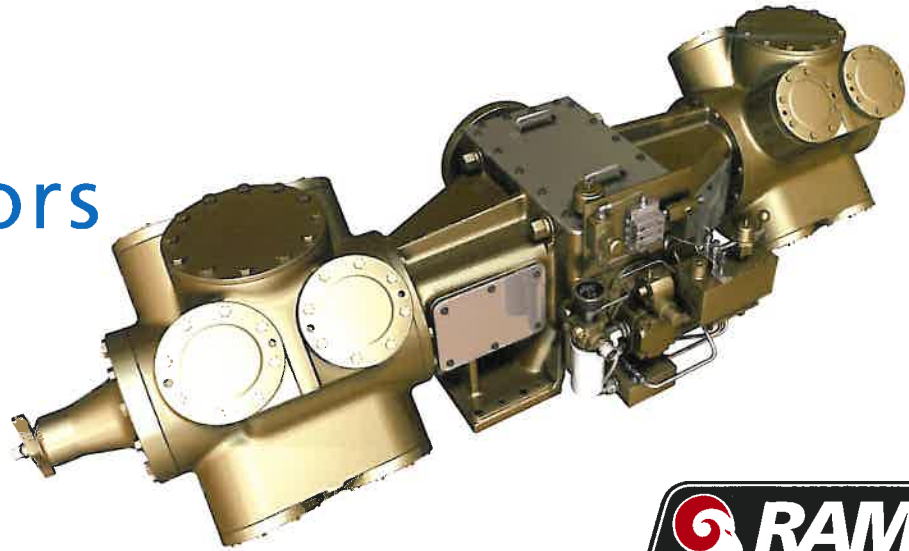


RAM™ Compressors



- Reciprocating, balanced opposed
- 1 - 4 cylinders
- 5 in. (127 mm) stroke
- 600 - 1500 RPM
- 2.0 in (51 mm) rod diameter
- 40,000 lb. (179 kN) internal gas rod load
- 1000 fpm (5.1 m/s) piston speed @ 1200 RPM

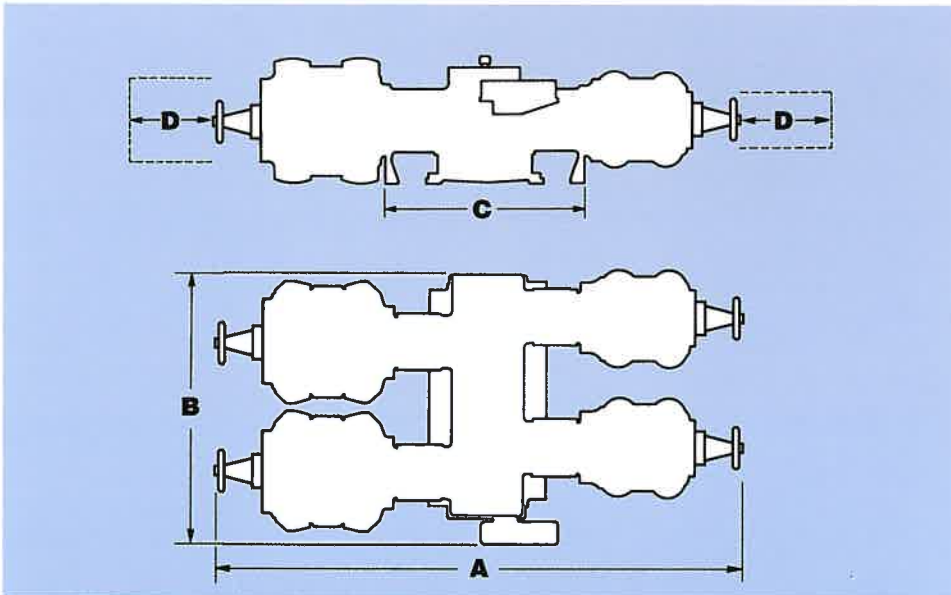
RAM Specifications Reciprocating, balanced opposed

	RAM 52	RAM 54
No. of Cylinder Throws	2	4
Frame HP @ 1200 RPM	950 hp (708 kW)	1900 hp (1417 kW)
Frame HP @ 1400 RPM	1110 hp (828 kW)	2215 hp (1652 kW)
Frame HP @ 1500 RPM	1190 hp (887 kW)	2375 hp (1771 kW)
RPM Range	600 - 1500 RPM	600 - 1500 RPM
Stroke	5 in (127 mm)*	5 in (127 mm)
Rod Diameter	2.0 in (51 mm)	2.0 in (51 mm)
Maximum Internal Gas Rod Loads		
Tension (MGRT)	40,000 lb (179 kN)	40,000 lb (179 kN)
Compression (MGRC)	40,000 lb (179 kN)	40,000 lb (179 kN)
Total Peak-to-Peak	80,000 lb (358 kN)	80,000 lb (358 kN)
Net Rod Load	35,000 lb (157 kN)	35,000 lb (157 kN)
Piston Speed @ 1200 RPM	1000 fpm (5.08 m/s)	1000 fpm (5.08 m/s)
Piston Speed @ 1400 RPM	1167 fpm (5.98 m/s)	1167 fpm (5.98 m/s)
Piston Speed @ 1500 RPM	1250 fpm (6.35 m/s)	1250 fpm (6.35 m/s)
Lube Oil Flow @ 1200 RPM	14.0 gpm (53 liter/min)	20.0 gpm (75 liter/min)
Lube Oil Flow @ 1500 RPM	17.0 gpm (64 liter/min)	21.0 gpm (79 liter/min)
Sump Capacity	10 gal (38 liter)	30 gal (114 liter)
Frame Wt. w/ Crosshead Guides	2450 lb (1114 kg)	5100 lb (2318 kg)

Note: Standard equipment, specifications and data are subject to change without notice.

Standard Equipment

- **Frame:** One piece, cast iron heavily ribbed casting with integral crosshead guide and tie bolt construction. Aluminum top cover and cast iron end covers.
- **Crankshaft:** Forged from a solid billet of heat-treated SAE 5046 or 4140 steel, with integral counterweights. Main bearing journals are 4.9 in. (12.4 cm) diameter. Centerline from bottom of frame is 14.2 in. (36.0 cm).
- **Bearings:** Precision, split shell, steel backed tri-metal main and connecting rod bearings. Held in place by 2-bolt, ductile iron bearing caps. Main, thrust and connecting rod are 4.9 in. (12.4 cm) diameter.



Model-RAM	RAM 52	RAM 54
A width – ft-in(cm)	9'7" (292)	9'7" (292)
B length – ft-in(cm)	3'10" (116)	6'10" (208)
C frame width – ft-in(cm)	4'3" (130)	4'3" (130)
D required to remove piston and rod – ft-in(cm)	2'8" (81)	2'8" (81)

- **Connecting rod:** Forged steel, precision machined, H-Section, rifle drilled for pin lubrication. Bolts are SAE 4140 steel with rolled threads.
- **Crosshead:** Ductile iron, 9.8 in. (24.8 cm) diameter, with replaceable 5.5 in. (14.0 cm) width shoes, and 3.5 in. (8.9 cm) diameter crosshead pins and bushings.
- **Lubrication system:** Crankshaft gear-driven oil pump, system relief valve, crankcase strainer, spin-on type full-flow oil filter, filler/breather, oil level sight gauge, and oil pressure gauges. Pressurized suction cylinder lubrication system which includes: stainless steel tubing and fittings, divider block, and lubricator flow meter and no-flow shut-down.
- **Special tools needed for field maintenance.**

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