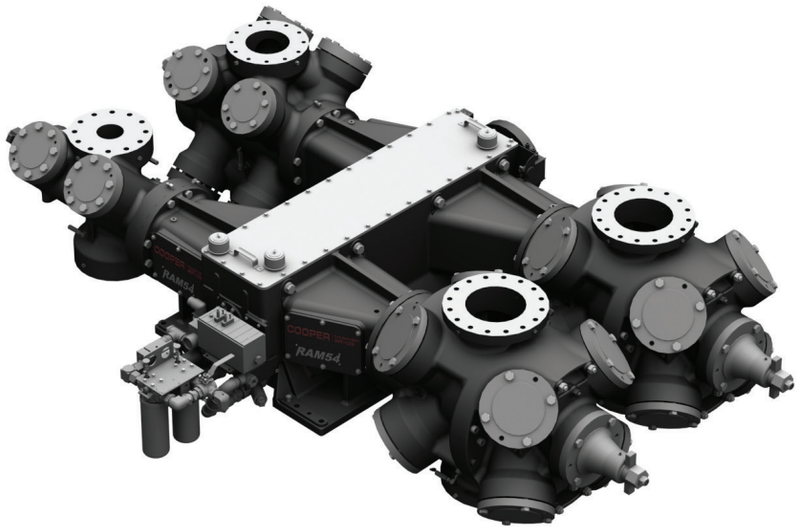
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RAM COMPRESSOR

Speed – 1,500 RPM, Max Power – 2,375 hp, Total Rod Load – 88,000 lbs

Cooper's balanced opposed RAM compressor is a dependable, hard-working compressor that has been proven over the last two decades of service. It contains a host of features which are standard only on the RAM. For example, the valve spacers on all cylinders 6.5 in. and above, and manual variable-volume pockets on all cylinders are standard equipment on the RAM. It is well suited for fuel gas boosting, gas gathering, gas boosting, gas processing and FPSO applications.



Compressor features

Type – Balanced opposed for a smooth-operating and easy-to-service design. Engineered for reliability, while maintaining a budget-friendly, overall cost.

Frame – High-strength frame with integral crosshead guides made from cast iron, which reduces the number of bolted connections and increases stiffness.

Crankshaft – Made from forged, heat-treated SAE 4140 steel designed for strength and durability

Connecting rods – Forged-steel connecting rods, rifle-drilled for forced lubrication and shot peened for additional fatigue resistance.

Crossheads – Single-piece ductile iron crossheads with replaceable trimetal shoes, bronze bushing and floating pins.

Compressor lubrication – Lubrication system includes gear-driven pump and spin-on 10-micron oil filter for easy servicing.

Cylinders – Cylinders designed specifically for the frame, targeting high speed and high efficiency, MAWP up to 2,000 psi.

Piston / piston rods – Standard piston rods are heat-treated SAE 4140 steel. Piston could be single or multi piece, designed for high load capacity.

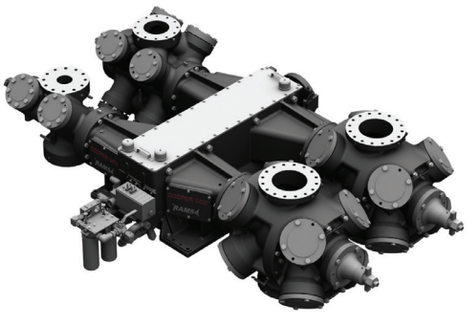
Valves – Steel valve seats and guards and non-metallic valve plates are standard. Springs, lift and plates are tailored specifically to your application.

Cylinder lubrication – Plunger type force-fed lubricator utilizes a divider block distribution system, a cycle indicator and a DNFT no-flow shutdown switch.

Standard testing – Standard compressor mechanical no-load spin test and hydrotesting of all cylinders and heads.

Standard accessories – Specialized tools, where applicable, are included in the toolbox.

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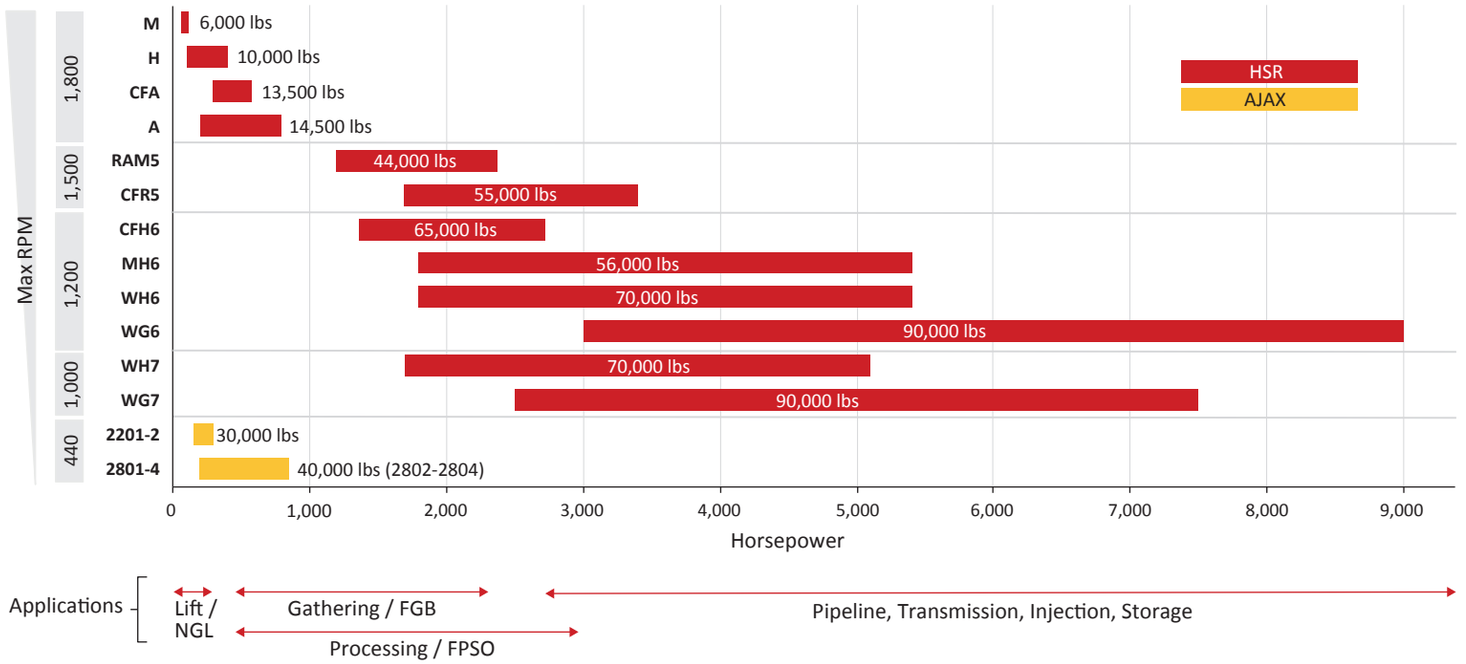
Compressor Technical Specification

	RAM52	RAM54
No. of cylinder throws	2	4
Max RPM	1,500	
Max power (hp)	1,188	2,375
(kW)	886	1,771
Stroke (in / mm)	5 / 127	
Main bearing diameter (in / mm)	4.9 / 124	
Piston road diameter (in / mm)	2 / 51	
Combined[1] rod loads (lbs / kN)		
Tension	44,000 / 196	
Compression	44,000 / 196	
Total	88,000 / 391	
Frame weight (lbs)	2,500	5,250
(kg)	1,134	2,381

[1]Combined rod load = gas load + inertia load

Reciprocating Compression Frame Lineup

Frame horsepower and combined compression rod load at max RPM



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24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM
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SUPERIOR

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