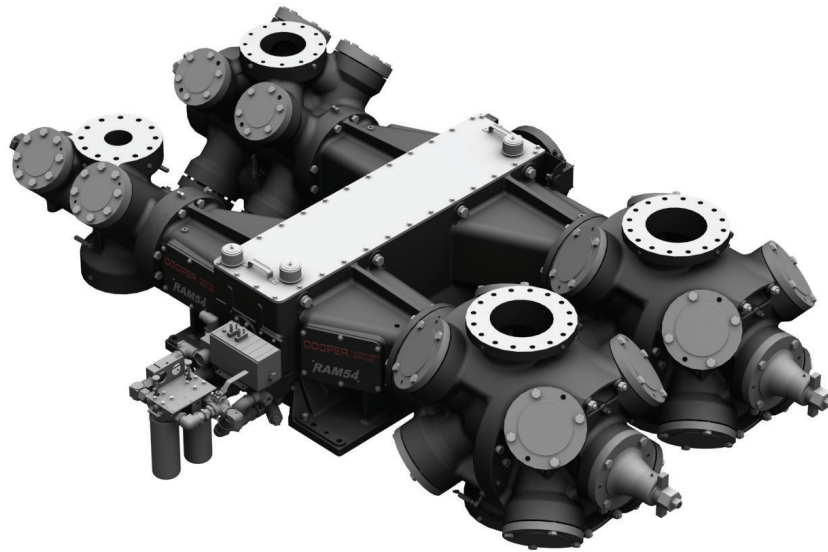


## RAM COMPRESSOR

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.

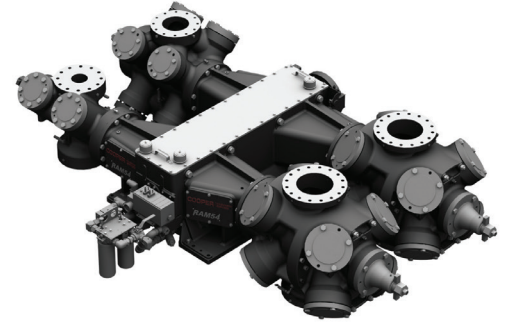
**Valves** – Steel valve seats and guards and non-metallic valve plates are standard. Springs, lift and plates are tailored specifically to your application.

**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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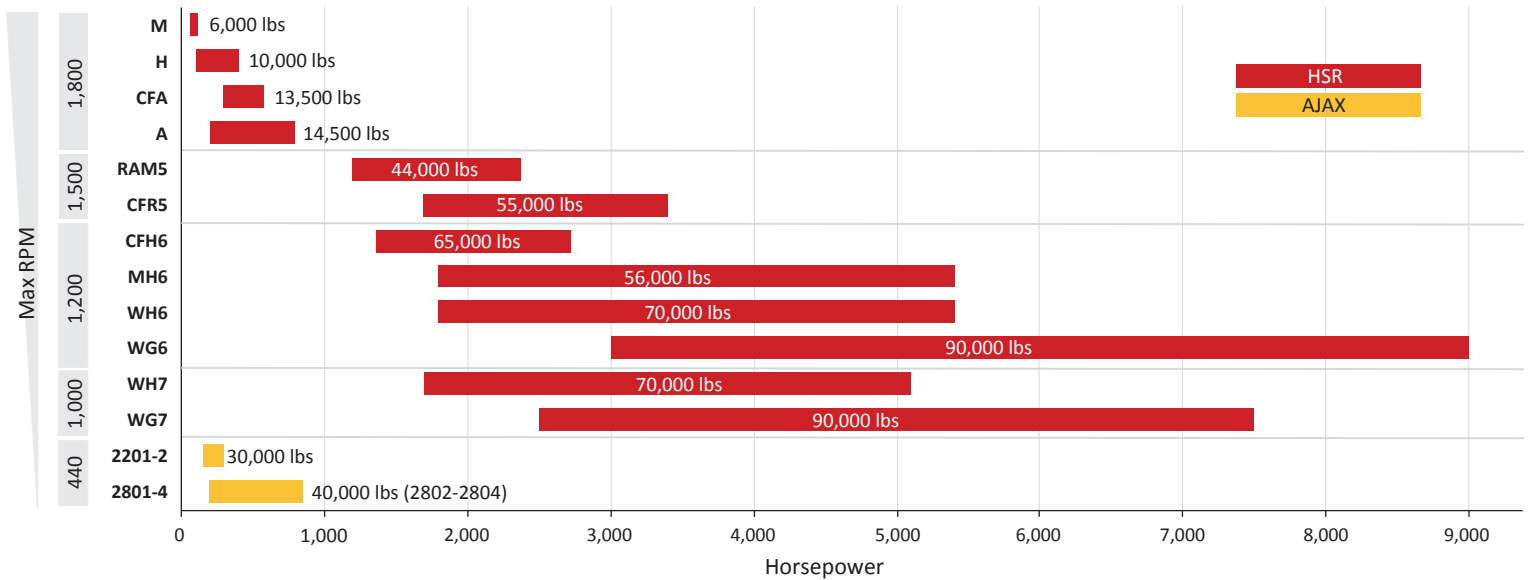
## Compressor Technical Specification

	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 rod diameter (in / mm)	2 / 51	
Combined <sup>1</sup> 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

<sup>1</sup>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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