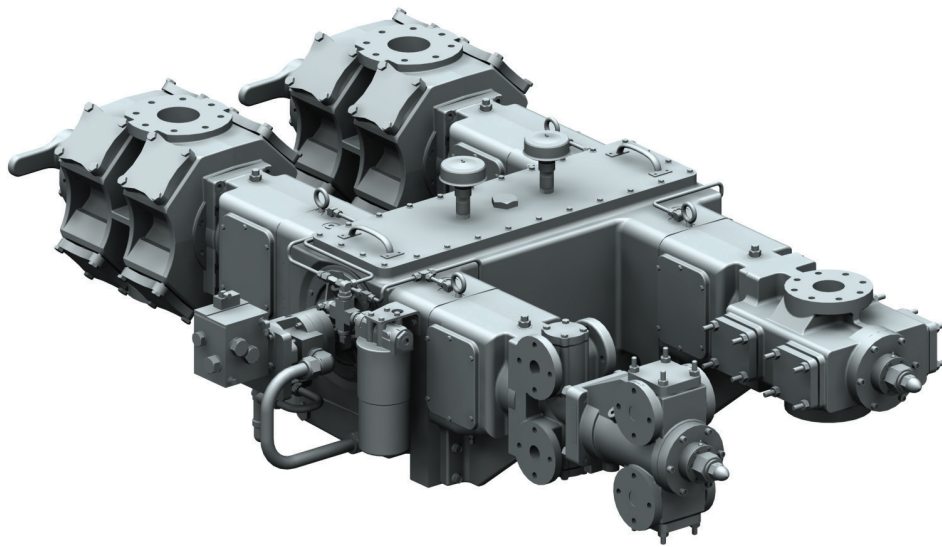


H SERIES COMPRESSOR

Speed – 1,800 RPM, Max Power – 400 hp, Total Rod Load – 20,000 lbs

Cooper's H Series compressors are designed to run continuously for extended periods of time while unattended. The H Series is rated at zero degrees of rod reversal as its unique roller bearing design provides

full lubrication, regardless of degrees of reversal. This provides ability to single-act / unload cylinders on either the head end or the crank end, which in turn increases compressor's overall operating envelope.



Compressor features

Type – Balanced opposed for a smooth-operating and easy-to-service design. Engineered for reliability and low maintenance.

Frame – Rugged high-strength frame made from cast iron, with standard type A crosshead guides.

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

Connecting rods – Ductile iron with precision insert-type bearings on crank end and roller bearings on pin end.

Crossheads – Single-piece ductile-iron crossheads with babbitted faces and bronze bushings in crosshead.

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

Cylinders – A wide range of double acting and tandem cylinders, MAWP up to 6,000 psi.

Piston / piston rods – Standard piston rods are heat-treated, SAE 4140 steel. Pistons are made from either hard-anodized aluminum alloy or cast iron.

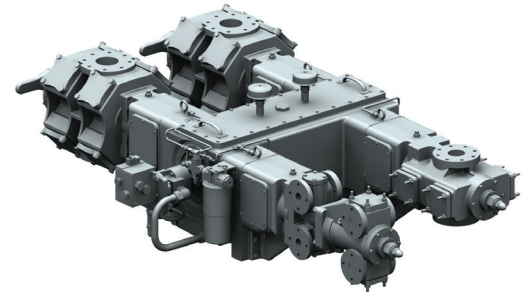
Valves – Steel valve seats and guards, and non-metallic valve plates are standard. Springs, lift and plates are tailored specifically to your application.

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.

LEGENDS DON'T STOP. WE MAKE SURE OF IT.™



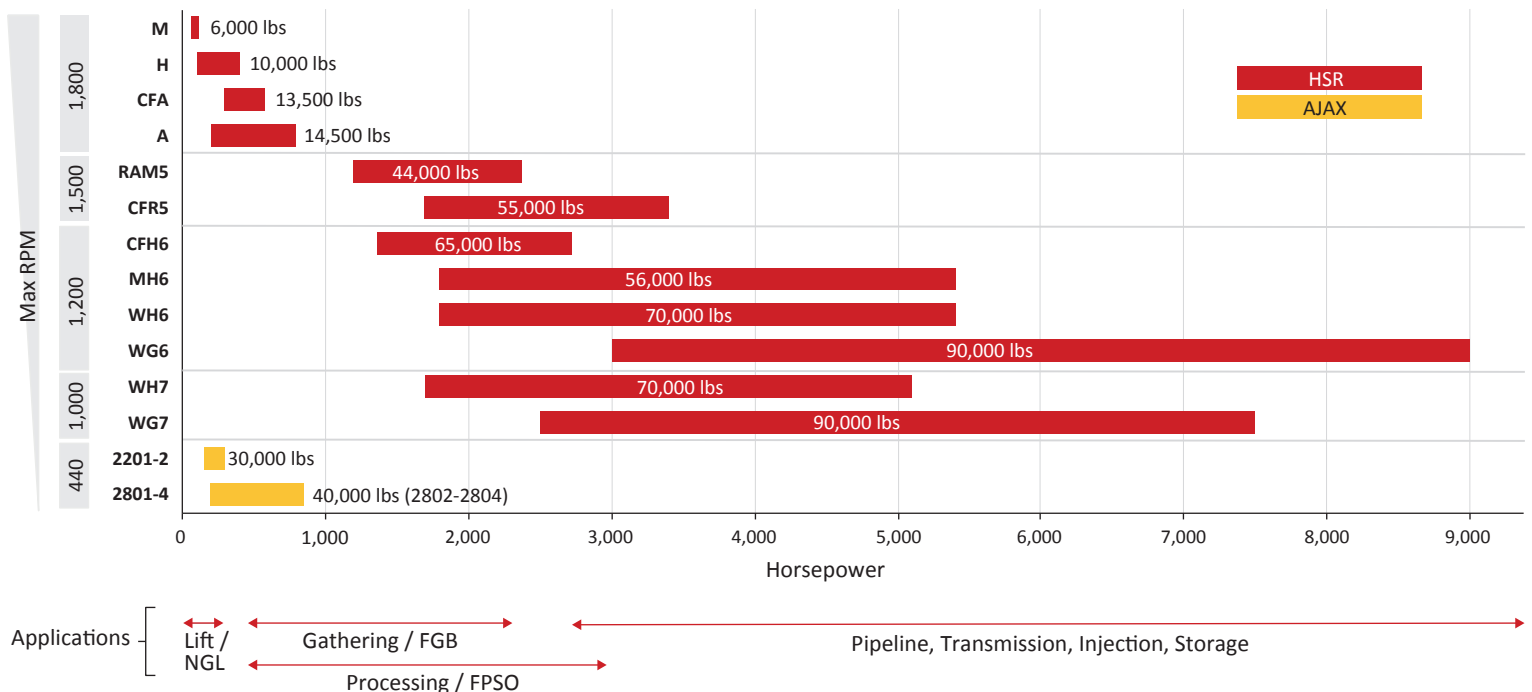
Compressor Technical Specification

	H301	H302	H304
No. of cylinder throws	1	2	4
Max RPM	1,800		
Max power (hp)	100	200	400
(kW)	75	149	298
Stroke (in / mm)	3 / 76		
Main bearing diameter (in / mm)	3 / 76		
Piston rod diameter (in / mm)	1.125 / 29		
Combined ¹ rod loads (lbs / kN)			
Tension	10,000 / 44		
Compression	10,000 / 44		
Total	20,000 / 89		
Frame weight (lbs)	1,050	1,050	2,350
(kg)	476	476	1,066

¹Combined rod load = gas load + inertia load

Reciprocating Compression Frame Lineup

Frame horsepower and combined compression rod load at max RPM



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