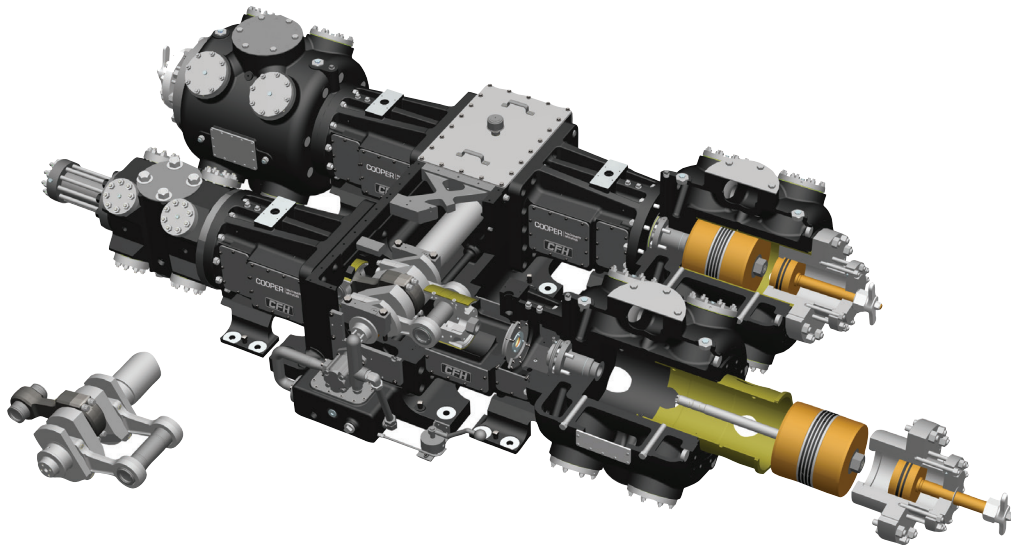


CFH – COUPLE-FREE COMPRESSOR

Speed – 1,200 RPM, Max Power 2,720 hp, Total Rod Load – 130,000 lbs

Cooper's couple-free crankshaft configuration provides low mechanical vibrations that allow lower fatigue stresses and higher reliability. Additionally, this allows

lower packaging costs and easier installation, particularly on portable skids, offshore platforms and foundations with smaller anchoring/stiffening structures.



Compressor Features

Type – Opposing throws exactly opposite each other (common centerline), yielding lower mechanical vibrations and higher reliability.

Frame – Rugged, high-strength frame made from cast iron with reinforced “X” tie bars (4-throw), with standard type B crosshead guides.

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. The wide and narrow rods are precision machined for interchangeability.

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

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

Cylinders – A wide range of air and water-cooled, FlexFlow lined and unlined cylinders are available, MAWP up to 11,000 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.

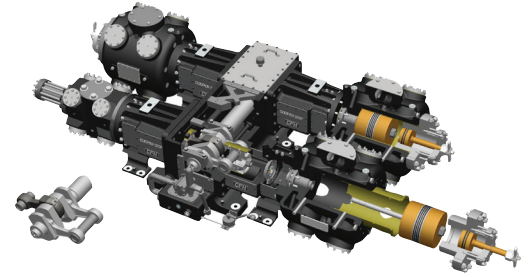
Valves – Steel valve seats and guards, and non-metallic valve plates are standard. Springs, lift and plates are tailored specifically to your application.

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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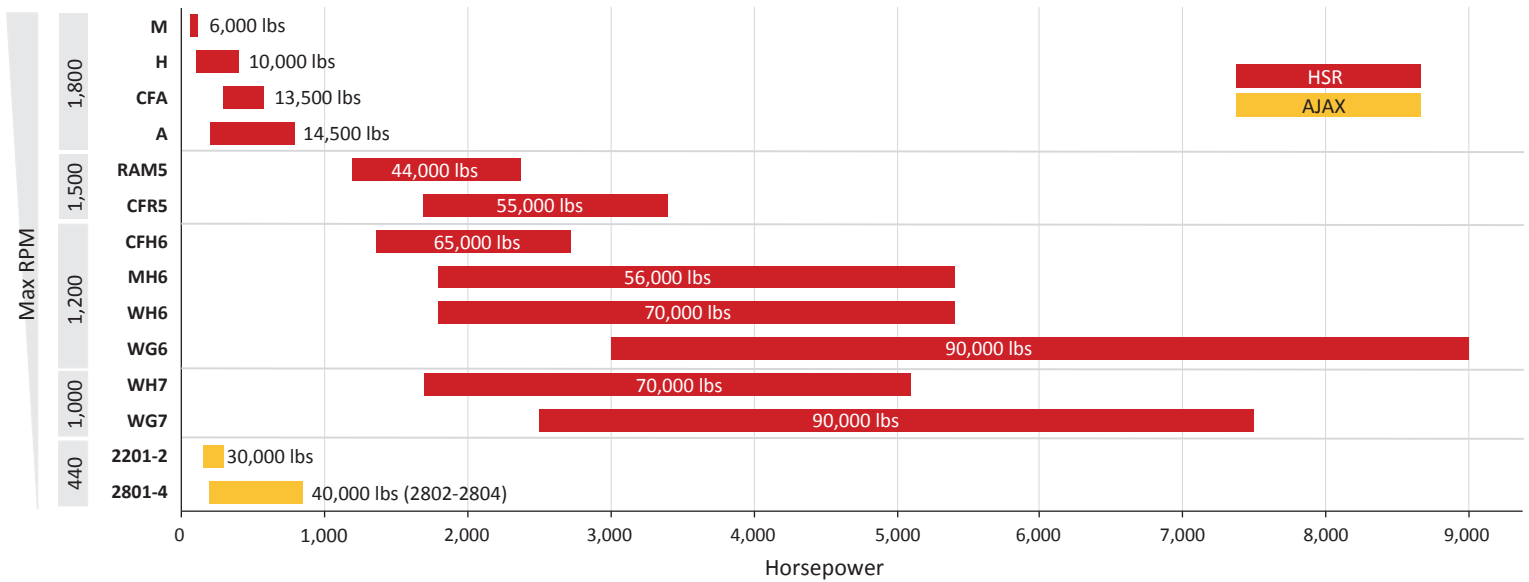
Compressor Technical Specification

	CFH62	CFH64
No. of cylinder throws	2	4
Max RPM	1,200	
Max power (hp)	1,360	2,720
(kW)	1,014	2,028
Stroke (in / mm)	6 / 152	
Main bearing diameter (in / mm)	6 / 152	
Piston rod diameter (in / mm)	2.5 / 64	
Combined ¹ rod loads (lbs / kN)		
Tension	65,000 / 289	
Compression	65,000 / 289	
Total	130,000 / 578	
Frame weight (lbs)	6,500	13,500
(kg)	2,948	6,124

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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