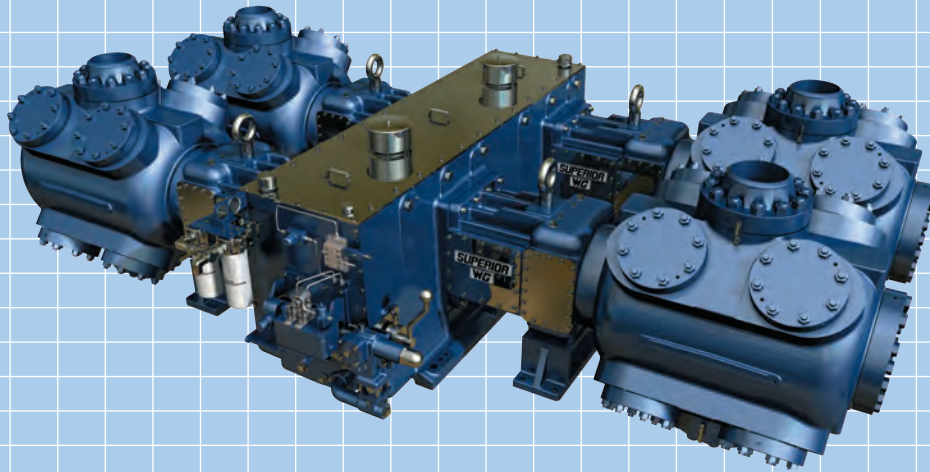


WG Compressors



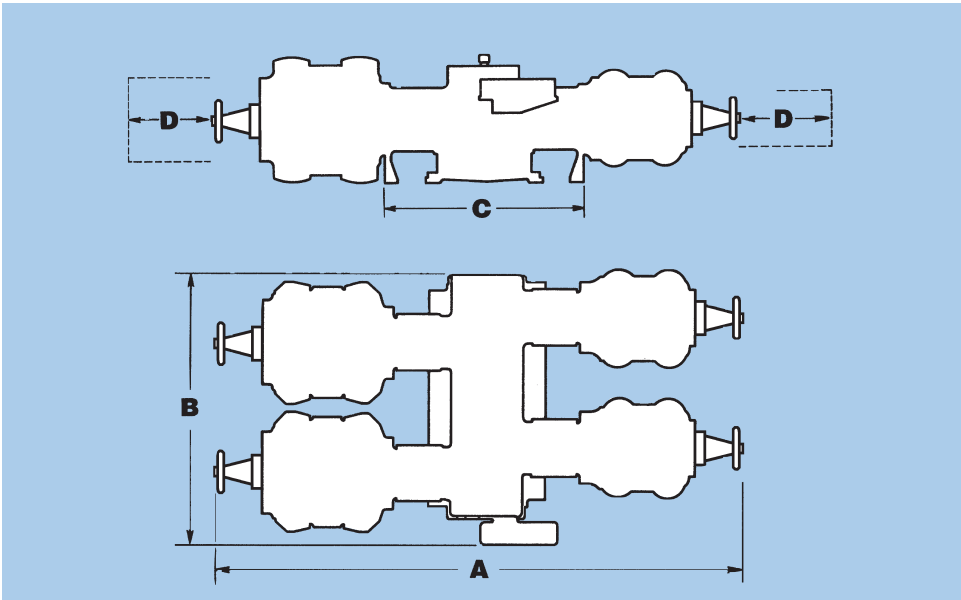
- Reciprocating, balanced opposed
- 1-6 cylinders
- 6 in. (152 mm) stroke @ 1200 RPM
- 7 in. (178 mm) stroke @ 1000 RPM
- 2.75 in (70 mm) piston rod diameter
- 75,000 lb (336 kN) internal gas rod load

WG Specifications Reciprocating, balanced opposed						
	WG62	WG64	WG66	WG72	WG74	WG76
No. of Cylinder Throws	2	4	6	2	4	6
Frame HP @ 900 RPM	2250 HP (1679 kW)	4500 HP (3357 kW)	6750 HP (5036 kW)	2250 HP (1679 kW)	4500 HP (3357 kW)	6750 HP (5036 kW)
Frame HP @ 1000 RPM	2500 HP (1865 kW)	5000 HP (3730 kW)	7500 HP (5595 kW)	2500 HP (1865 kW)	5000 HP (3730 kW)	7500 HP (5595 kW)
Frame HP @ 1200 RPM	3000 HP (2238 kW)	6000 HP (4476 kW)	9000 HP (6714 kW)	N/A	N/A	N/A
RPM Range	700 - 1200	700 - 1200	700 - 1200	600 - 1000	600 - 1000	600 - 1000
Stroke	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)	7 in (178 mm)	7 in (178 mm)	7 in (178 mm)
Rod Diameter	2.75 in (70 mm)	2.75 in (70 mm)	2.75 in (70 mm)	2.75 in (70 mm)	2.75 in (70 mm)	2.75 in (70 mm)
Maximum Internal Gas Rod Loads:						
Tension (MGRT)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)
Compression (MGRC)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)	75,000 lb (336 kN)
Total Peak-to-Peak	150,000 lb (672 kN)	150,000 lb (672 kN)	150,000 lb (672 kN)	150,000 lb (672 kN)	150,000 lb (672 kN)	150,000 lb (672 kN)
Net Rod Load	70,000 lb (314 kN)	70,000 lb (314 kN)	70,000 lb (314 kN)	70,000 lb (314 kN)	70,000 lb (314 kN)	70,000 lb (314 kN)
Piston Speed @ 900 RPM	900 fpm (4.6 m/s)	900 fpm (4.6 m/s)	900 fpm (4.6 m/s)	1050 fpm (5.3 m/s)	1050 fpm (5.3 m/s)	1050 fpm (5.3 m/s)
Piston Speed @ 1000 RPM	1000 fpm (5.1 m/s)	1000 fpm (5.1 m/s)	1000 fpm (5.1 m/s)	1167 fpm (5.9 m/s)	1167 fpm (5.9 m/s)	1167 fpm (5.9 m/s)
Piston Speed @ 1200 RPM	1200 fpm (6.1 m/s)	1200 fpm (6.1 m/s)	1200 fpm (6.1 m/s)	N/A	N/A	N/A
Lube Oil Flow	18 gpm (68 liter/min)	35 gpm (132 liter/min)	53 gpm (200 liter/min)	18 gpm (68 liter/min)	35 gpm (132 liter/min)	53 gpm (200 liter/min)
Sump Capacity	35 gal (132 liter)	70 gal (264 liter)	105 gal (396 liter)	35 gal (132 liter)	70 gal (264 liter)	105 gal (396 liter)
Frame Wt. w/ Crosshead Guides	11,500 lb (5200 kg)	21,500 lb (9800 kg)	31,500 lb (14,300 kg)	11,500 lb (5200 kg)	21,500 lb (9800 kg)	31,500 lb (14,300 kg)

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

Standard Equipment

- **Frame:** One piece, cast iron heavily ribbed casting with tie bolt construction and steel plate end covers. Aluminum top cover with removing handles attached.
- **Crankshaft:** Open die forged from a solid billet of heat-treated ASTM A 668 Class L steel, fully machined and balanced. Main bearing journals are 8 in. (203 mm) diameter. Centerline from bottom of frame is 22 in. (558 mm).
- **Bearings:** Precision, split shell, steel backed tri-metal main and connecting rod bearings. Held in place by 4-bolt, ductile iron bearing caps. Main, thrust, and connecting rod bearings are 8 in. (203 mm) diameter.
- **Coupling:** Machined to accommodate Thomas flexible coupling for most engines drives. Hubs available for direct or soft coupling connection to motor drives as required.
- **Connecting rod:** Closed die forged SAE 4140, heat-treated, precision machined, H-section, rifle drilled for pin lubrication.
- **Crosshead:** Ductile iron, 13.75 in. (349 mm) diameter, with replaceable tri-metal 12.0 in. (305 mm) length shoes, and using a taper-locked 4.625 in. (117 mm) diameter crosshead pin.
- **Crosshead guide:** Removable, heavily ribbed iron casting with integral distance piece. Attachment to frame and side cover doors use O-ring seals. Auxiliary distance piece available as an option for corrosive gas service.
- **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.**



Model - WG	WG62	WG64	WG66	WG72	WG74	WG76
A width – ft-in (cm)	12'7" (384)	12'7" (384)	12'7" (384)	12'7" (384)	12'7" (384)	12'7" (384)
B length – ft-in (cm)	4'8" (142)	8'9" (267)	12'9" (389)	4'8" (142)	8'9" (267)	12'9" (389)
C frame width – ft-in (cm)	7'5" (226)	7'5" (226)	7'5" (226)	7'5" (226)	7'5" (226)	7'5" (226)
D required to remove piston and rod – ft-in (cm)	4'0" (122)	4'0" (122)	4'0" (122)	4'0" (122)	4'0" (122)	4'0" (122)

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