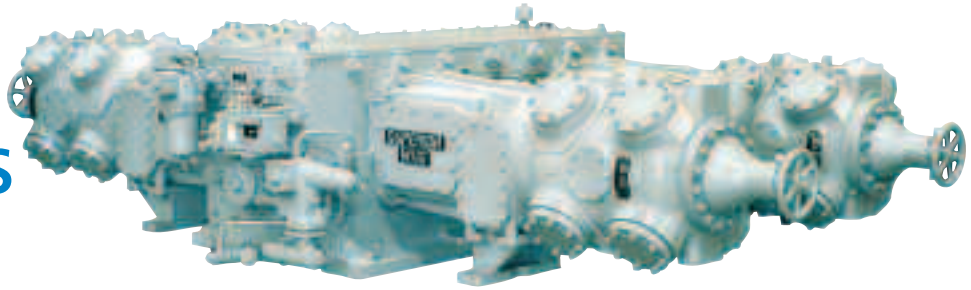


MH and WH Compressors



- Reciprocating, balanced opposed
- 600-1200 RPM
- 1-6 cylinders

MH6

- 6 in. stroke (152 mm) @ 1200 RPM
- 1200 fpm (6.1 m/sec) piston speed @ 1200 RPM
- 47,000 lb. (211 kN) internal gas rod load
- 2.25 in. (57 mm) rod diameter

WH6

- 6 in. stroke (152 mm) @ 1200 RPM
- 1200 fpm (6.1 m/sec) piston speed @ 1200 RPM
- 65,000 lb. (291 kN) internal gas rod load
- 2.50 in. (64 mm) rod diameter

WH7

- 7 in. (178 mm) stroke @ 1000 RPM
- 2.50 in. (64 mm) piston rod diameter
- 65,000 lb. (291 kN) internal gas rod load

MH and WH Specifications Reciprocating, balanced opposed

	MH62	MH64	MH66	WH62	WH64
No. of Cylinder Throws	2	4	6	2	4
Frame HP @ MAX RPM	1800 hp (1343 kW)	3600 hp (2685 kW)	5400 hp (4027 kW)	1800 hp (1343 kW)	3600 hp (2685 kW)
RPM Range	600 - 1200 RPM	600 - 1200 RPM	600 - 1200 RPM	600 - 1200 RPM	600 - 1200 RPM
Stroke	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)
Rod Diameter	2.25 in (57 mm)	2.25 in (57 mm)	2.25 in (57 mm)	2.5 in (64 mm)	2.5 in (64 mm)
Maximum Internal Gas Rod Loads:					
Tension (MGRT)	52,000 lb (231 kN)	52,000 lb (231 kN)	52,000 lb (231 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)
Compression (MGRC)	52,000 lb (231 kN)	52,000 lb (231 kN)	52,000 lb (231 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)
Total Peak-to-Peak	104,000 lb (463 kN)	104,000 lb (463 kN)	104,000 lb (463 kN)	130,000 lb (582 kN)	130,000 lb (582 kN)
Net Rod Load	42,000 lb (188 kN)	42,000 lb (188 kN)	42,000 lb (188 kN)	55,000 lb (247 kN)	55,000 lb (247 kN)
Piston Speed @ MAX RPM	1200 fpm (6.1 m/sec)	1200 fpm (6.1 m/sec)	1200 fpm (6.1 m/sec)	1200 fpm (6.1 m/sec)	1200 fpm (6.1 m/sec)
Lube Oil Flow @ MAX RPM	16 gpm (60.6 liter/min)	32 gpm (121.1 liter/min)	48 gpm (181.7 liter/min)	16 gpm (60.6 liter/min)	32 gpm (121.1 liter/min)
Sump Capacity	20 gal (75.7 liter)	50 gal (189.3 liter)	80 gal (302.8 liter)	20 gal (75.7 liter)	50 gal (189.3 liter)
Frame Wt. w/ Crosshead Guides	7100 lb (3227 kg)	15,000 lb (6818 kg)	23,000 lb (10,455 kg)	7600 lb (3455 kg)	16,000 lb (7272 kg)

	WH66	WH72	WH74	WH76
No. of Cylinder Throws	6	2	4	6
Frame HP @ MAX RPM	5400 hp (4027 kW)	1700 hp (1268 kW)	3400 hp (2536 kW)	5100 hp (3804 kW)
RPM Range	600 - 1200 RPM	600 - 1000 RPM	600 - 1000 RPM	600 - 1000 RPM
Stroke	6 in (152 mm)	7 in (178 mm)	7 in (178 mm)	7 in (178 mm)
Rod Diameter	2.5 in (64 mm)	2.5 in (64 mm)	2.5 in (64 mm)	2.5 in (64 mm)
Maximum Internal Gas Rod Loads:				
Tension (MGRT)	65,000 lb (291 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)
Compression (MGRC)	65,000 lb (291 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)	65,000 lb (291 kN)
Total Peak-to-Peak	130,000 lb (582 kN)	130,000 lb (582 kN)	130,000 lb (582 kN)	130,000 lb (582 kN)
Net Rod Load	55,000 lb (247 kN)	55,000 lb (247 kN)	55,000 lb (247 kN)	55,000 lb (247 kN)
Piston Speed @ MAX RPM	1200 fpm (6.1 m/sec)	1167 fpm (5.9 m/sec)	1167 fpm (5.9 m/sec)	1167 fpm (5.9 m/sec)
Lube Oil Flow @ MAX RPM	48 gpm (181.7 liter/min)	13 gpm (50.5 liter/min)	26 gpm (100.9 liter/min)	40 gpm (151.4 liter/min)
Sump Capacity	80 gal (302.8 liter)	20 gal (75.7 liter)	50 gal (189.3 liter)	80 gal (302.8 liter)
Frame Wt. w/ Crosshead Guides	24,500 lb (11,136 kg)	7600 lb (3455 kg)	16,000 lb (7572 kg)	24,500 lb (11,136 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. Aluminum top cover and cast iron end covers.
- **Crankshaft:** Closed die forged from a solid billet of heat-treated SAE 4140 steel, fully machined and balanced. Main bearing journals are 7 in. (178 mm) diameter. Centerline from bottom of frame is 20 in. (508 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 are 7 in. (178 mm) diameter.
- **Connecting rod:** MH6 – Closed die forged SAE 4140 steel, heat treated, precision machined, H-section, rifle drilled for pin lubrication.
WH6 & WH7 – Closed die forged SAE 1045 steel, heat-treated, precision machined, H-section, rifle drilled for pin lubrication.

- **Crosshead:** MH6 – Ductile iron, 10.5 in (267 mm) diameter, with replaceable tri-metal shoes
6.375 in. wide x 9.5 in. long (162 x 241 mm).

WH6 & WH7 – Ductile iron, 12.75 in (324 mm) diameter, with replaceable tri-metal shoes 7 in. wide x 12 in. long (178 x 305 mm).

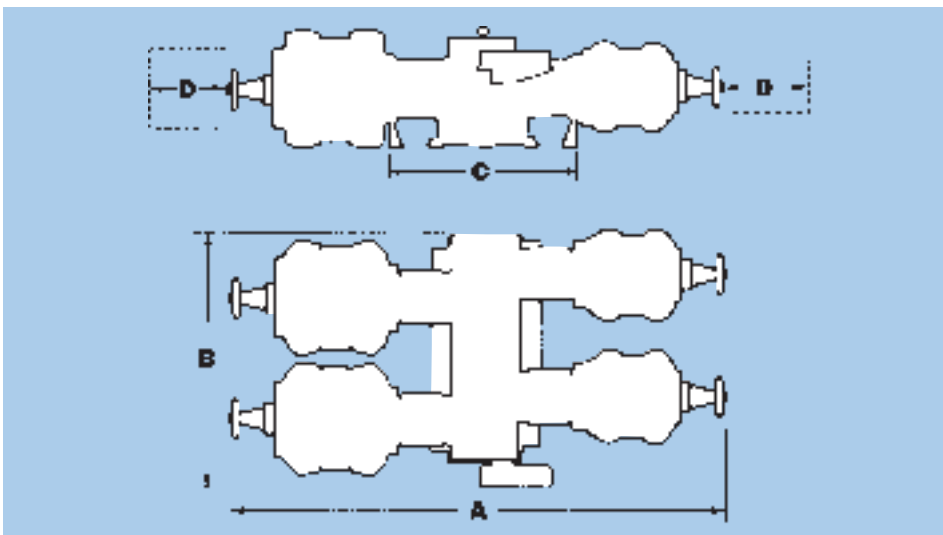
- **Crosshead pin:** MH6 – Alloy steel 4.0 in. (102 mm) diameter.

WH6 & WH7 – Alloy steel 4.75 in. (121 mm) diameter.

- **Crosshead guide:** Removable, heavily ribbed iron castings with integral distance piece. Side openings on both sides for easy inspection and access to the crosshead. 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	A width – ft-in (cm)	B length – ft-in (cm)	C frame width – (at crosshead guide supports) – ft-in (cm)	D required to remove piston and rod – ft-in (cm)
MH62	14'1" (428)	4'8" (142)	6'4" (193)	4' (122)
MH64	14'1" (428)	8'4" (254)	6'4" (193)	4' (122)
MH66	14'1" (428)	12' (366)	6'4" (193)	4' (122)
WH62	14'10" (452)	4'8" (142)	7'2" (218)	4' (122)
WH64	14'10" (452)	8'4" (254)	7'2" (218)	4' (122)
WH66	14'10" (452)	12' (366)	7'2" (218)	4' (122)
WH72	14'10" (452)	4'8" (142)	7'2" (218)	4' (122)
WH74	14'10" (452)	8'4" (254)	7'2" (218)	4' (122)
WH76	14'10" (452)	12' (366)	7'2" (218)	4' (122)

Compressor Cylinder Sizing Made Easy with COMPASS Software.



COMPASS is another Superior[®] Compressor exclusive! The most comprehensive and flexible sizing program available, COMPASS is user-friendly and Microsoft[®] and Windows[®] based. COMPASS can make a preliminary sizing and cylinder selection. The user can then refine the selection to include specific options desired. This can be followed by detailed performance calculations based on the equipment selected and can include ranges of conditions, dynamic rod load calculations, and performance curves.

To download the COMPASS software (at no charge), visit www.c-a-m.com

Superior[®] is a registered trademark of Cameron Corporation.

TC 0005 5M 09/06
Copyright © 2006 Cameron Corporation
Printed in U.S.A.

16250 Port Northwest Drive
Houston, TX 77041
Telephone: (713) 890-1300
Visit our web site at: www.c-a-m.com/cs

