

ΜΑΥΕΚΑΨΑ
MYCOM



series

Reciprocating
Compressor



M-series

Premium Efficiency Reciprocating Compressor

A Revolution in Efficiency

NATURES MATCH

Mayekawa’s latest in the reciprocating compressor range the M-series has quickly grown in popularity, exceeding our expectations to be our most efficient and robust model yet. Our focused research and commitment to reducing energy consumption and maintenance frequency has demonstrated great results. Since the debut in the market in 2009, over 2,100 M-series compressors have been sold worldwide and approx. 300 installed in Canada, playing a key role in facilitating upgrade rebates and incentives where available. *Detailed reports on the M performance in comparison to the W-series and Non-Mycom brands are available upon request.



LONGER OVERHAUL TERM

The overhaul term with the M-series is 16,000 hours, depending on operating conditions. This is 1.5 times longer than the WA / WBHE series compressors.

EASY MAINTENANCE

The M-series was built by re-designing the conventional compressor design, from the ground up, to offer easy maintenance as well as higher efficiency.

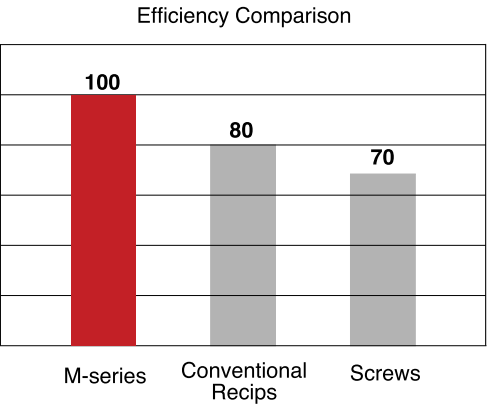
SPECIFICATIONS

		2M	4M	6M	8M	62M
Refrigerant		NH3 / HFC / Propane				
Weight of Compressor		kg/lbs	850 / 1,874	1,300 / 2,867	1,580 / 3,484	1,830 / 4,035
Cylinder Diameter		mm/inch	146 / 5.75	106 / 4.17	106 / 4.17	106 / 4.17
Stroke		mm/inch	146 / 5.75	106 / 4.17	106 / 4.17	106 / 4.17
Design Pressure		MPa/PSI	3.0 / 435	3.0 / 435	3.0 / 435	3.0 / 435
Number of Cylinders		2	4	6	8	Low Stage 6 High Stage 2
Displacement (CFM)	Revolution	rpm	600 ~ 1,500*	800 ~ 1,500*		
		600rpm	75.2	-	-	-
		800rpm	100	200	300	400
		1,000rpm	125	250	375	500
		1,200rpm	150	300	450	600
		1,500rpm	188	376	564	752
Driving Method		Direct Drive / V, 8V-Belt Drive				
Flywheels		C6	C8, C10 / V, 8V-4, 6, 8			
Volume Control	Load %	0, 50, 100	0, 33, 66, 100	0, 25, 50, 75, 100	0, 50, 100 (Low Stage Only)	0, 33, 66, 100 (Low Stage Only)
	Method	Hydraulic Control Solenoid Valve (Load When Energized)				
	Voltage V	120				
Refrigerant Oil		ISO-VG 46 to 68 (Ask Mayekawa Branch)				
Oil Charge Amount		l / Gal	20 / 5.3	32 / 8.5	38 / 10.0	44 / 11.6

* Maximum speed varies with type of refrigerant.

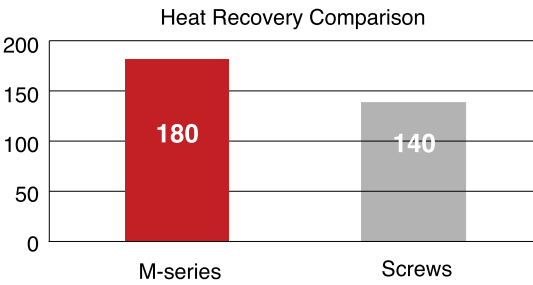
REDUCE ENERGY

With efficiencies up to 20% better than reciprocating compressors that are available in marketplace and up to 30% better than mini screw compressors, the M has the power to reduce bottom line operating costs.



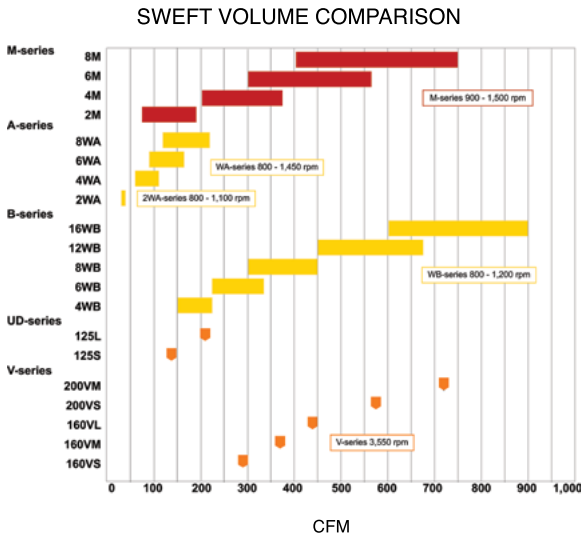
REUSE HEAT OF COMPRESSION

Increase the performance of your refrigeration facility by capturing the heat of compression generated by the M compressor (greater than that of a screw compressor) to substantially improve the energy efficiency of any refrigeration system.



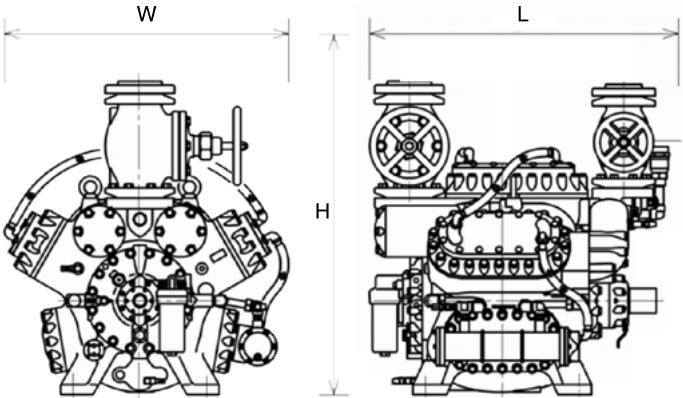
REFRIGERATE

- Greater efficiency with a screw capacity range
 - Less BHP per ton
 - Compact in design
 - Precision design effortless overhaul
 - 50% ~ 60% increase in run times between overhaul*
- *Overhaul times based on best case scenario



DIMENSIONS

Dimensions are for reference only. Please contact MYCOM for more detailed drawings.



mm (inch)			
Models	W	L	H
2M	713 (28)	1,160 (45 3/4)	1,086 (42 3/4)
4M	1,019 (40)	1,256 (49 1/2)	1,256 (49 1/2)
6M	1,147 (45)	1,269 (50)	1,269 (50)
8M	1,147 (45)	1,339 (52 1/2)	1,339 (52 1/2)



The information contained herein is for reference only. Subject to change without notice.



MAYEKAWA CANADA INC. (www.mayekawa.ca)

Vancouver, BC
#4-1595 Cliveden Avenue, Delta, BC V3M 6M2
(604) 270-1544

Calgary, AB
4525 6A Street NE, Calgary, AB T2E 4B2
(403) 250-1554

Toronto, ON
Unit #1, 1745 Bonhill Road, Mississauga, ON L5T 1C1
(905) 564-0664