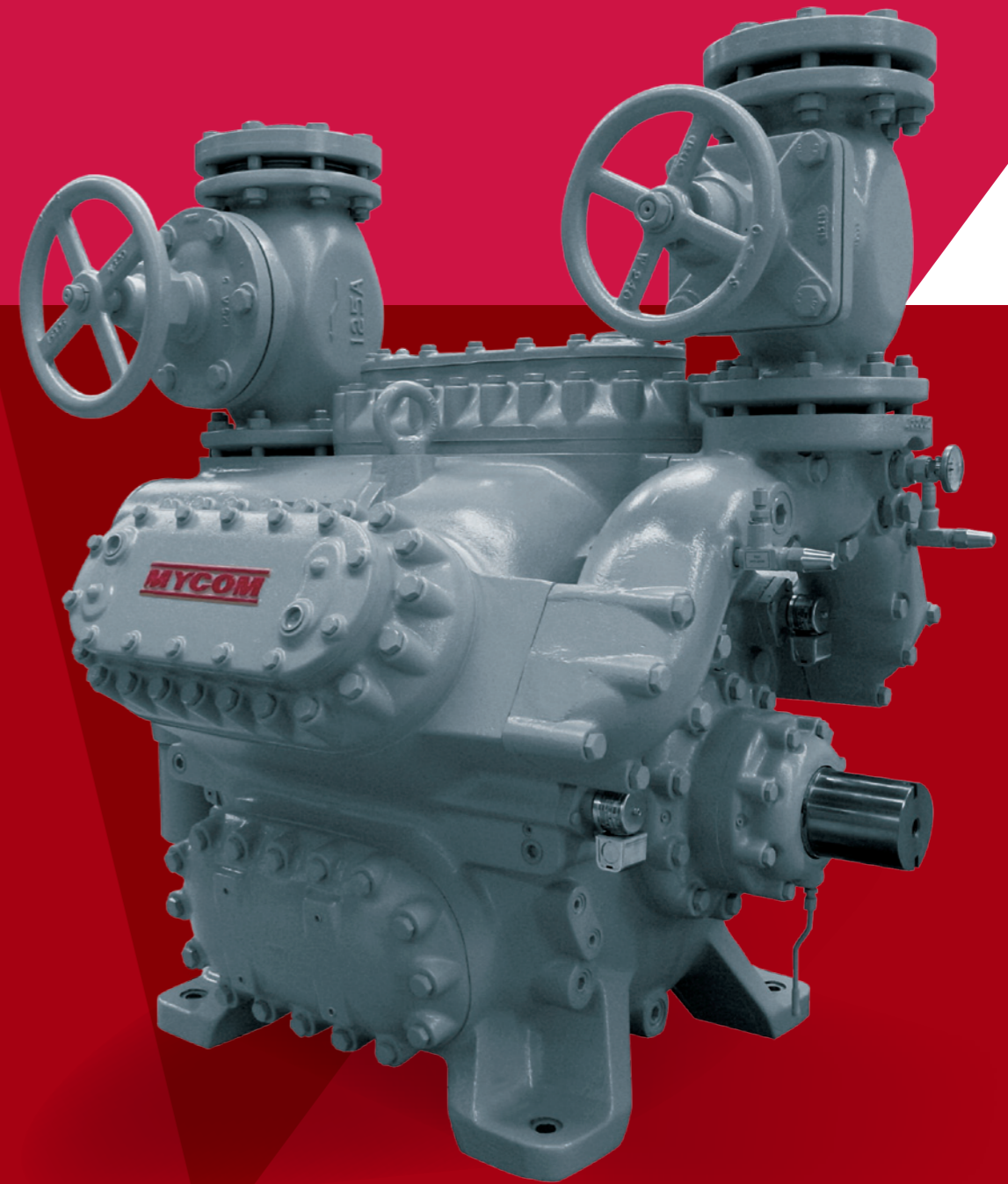


MII SERIES RECIPROCATING COMPRESSOR



MII SERIES RECIPROCATING COMPRESSOR

Reciprocating Compressor / **Single Stage** Open Type

M II SERIES



MYCOM

MAYEKAWA
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The content of this pamphlet may change without advance notice due to improvements to the product.
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PD130 01001609-16.09.

* Some optional items are included in this photo.

Excellence in performance, durability, and high-pressure resistance:
Next-generation energy saving compressor

Reciprocating Compressor [Single Stage] Open Type M II-SERIES



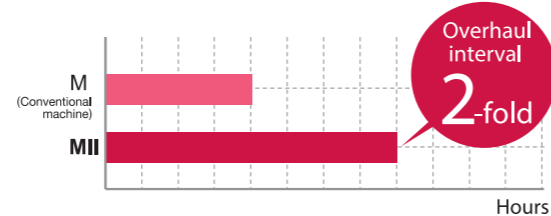
* Some optional items are included in this photo.

High Performance Derived from New Design

This newly designed compressor minimizes internal heating of the intake gas resulting in the highest level of performance in our product portfolio.

Much Improved Overhaul Intervals

The MII series incorporates a new valve structure with improved durability and dramatically extended overhaul intervals of 16,000 hours.



* Operating condition: 800 to 1200 rpm / Dependent on the refrigerant used
* Under normal operation

Supports a Wide Range of Pressure Conditions

The components are designed for high pressure applications and a wide range of operating conditions. The MII series can be used in demanding applications such as high pressure systems and heat pumps.

Easy Maintenance

Hydraulic lines for capacity control are incorporated into the casing design, allowing simplified package designs as well as easy replacement of consumable components.

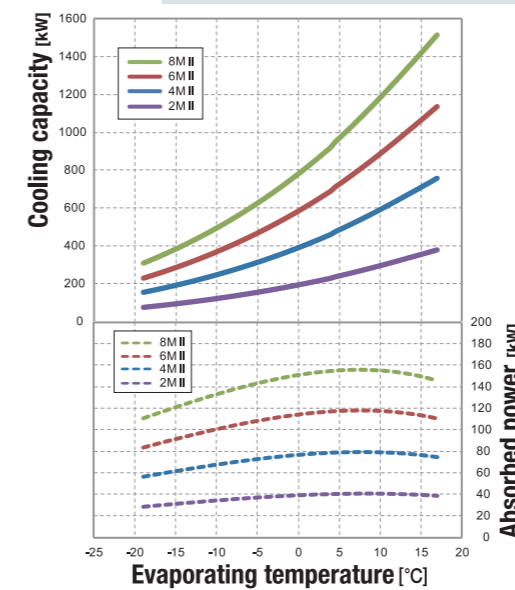
Multiple Applications

Multiple configurations are available in drive type (direct drive/belt drive) and refrigerant compatibility (Ammonia, Propane and Fluorocarbon refrigerants).

Performance charts

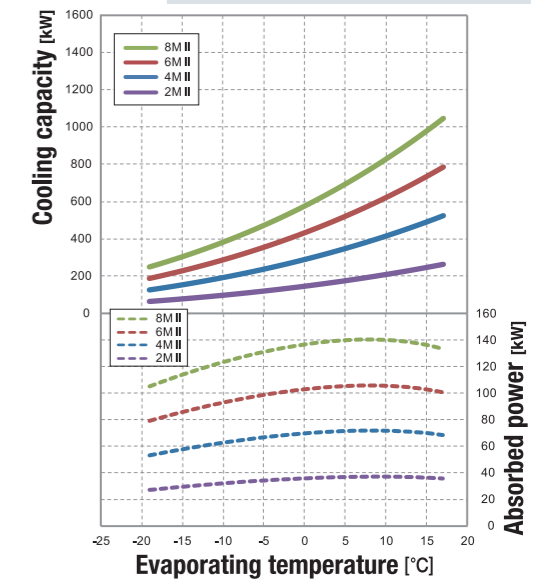
Ammonia

Condensing temperature : 40°C
Suction Superheat : 0°C
Rotation speed : 970rpm
Liquid Subcooling : 5°C



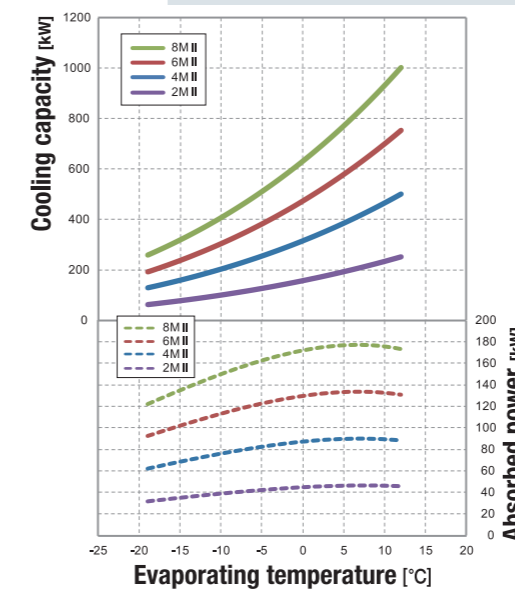
Propane

Condensing temperature : 40°C
Suction Superheat : 10°C
Rotation speed : 970rpm
Liquid Subcooling : 5°C



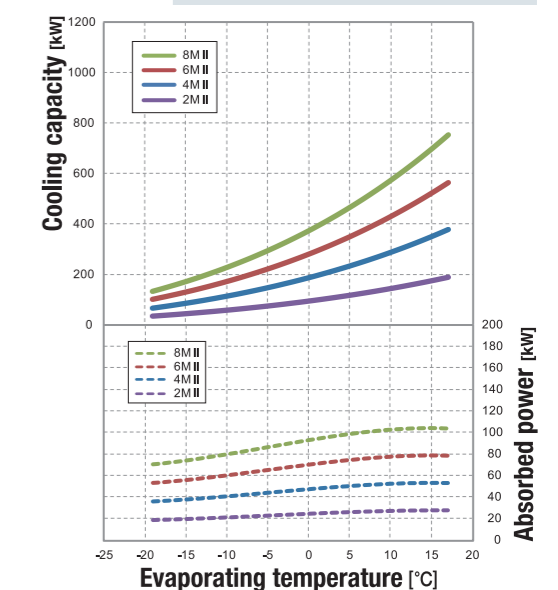
R404A

Condensing temperature : 40°C
Suction Superheat : 20°C
Rotation speed : 970rpm
Liquid Subcooling : 5°C



R134a

Condensing temperature : 40°C
Suction Superheat : 20°C
Rotation speed : 970rpm
Liquid Subcooling : 5°C



Specifications

Item	Model*1 (N/P/F)	2M II	4M II	6M II	8M II
Refrigerant		Ammonia / Propane / HFCs (R134a, R404A, R507A)			
Compressor type		Reciprocating, Open Type			
Number of cylinders		2	4	6	8
Bore	mm	146			
Stroke	mm	106			
Displacement*2	m ³ /h	207	413	620	826
Rotation speed	rpm	600-1500*3		800-1500*3	
Drive method		Direct drive / V-belt			
Capacity control	%	100/50	100/50	100/66/33	100/75/50/25

*1. Specify the refrigerant by adding a prefix to the type code (N = Ammonia / P = Propane / F = Fluorocarbons).

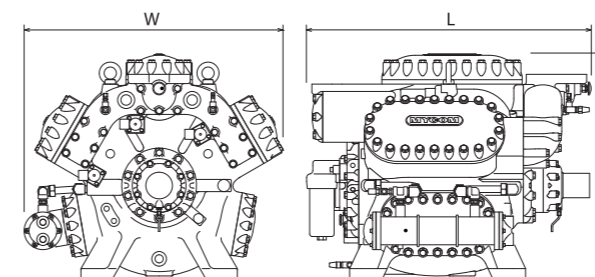
*2. Displacement at 970 rpm

*3. The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

Outer dimensions

* Please consult us for further details.

[Air cooled type (Propane, HFCs)]

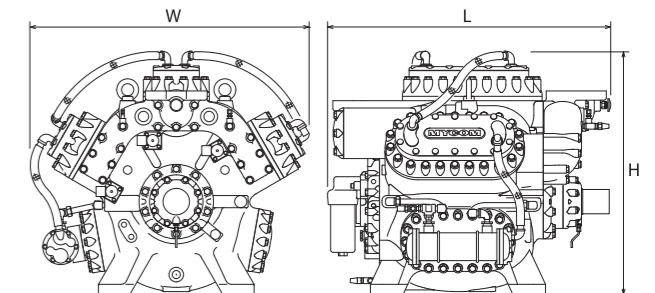


Model (P/F)	Weight (kg)	W (mm)	L (mm)	H (mm)
2MII	675	715	1070	890
4MII	1080	995	1150	890
6MII	1310	1065	1165	920
8MII	1535	1085	1205	910

* The outer dimension drawings illustrate the 6-cylinder model.

* The stop valve, companion flange, flywheel, V-pulley, and safety valve are not included.

[Water cooled type (Ammonia)]



Model (N)	Weight (kg)	W (mm)	L (mm)	H (mm)
2MII	685	715	1070	960
4MII	1100	1020	1150	1025
6MII	1340	1150	1165	1000
8MII	1575	1150	1205	1020

* The oil cooler is included.