

# M

**MAYEKAWA**  
**MYCOM**

Series Air Cooled

Reciprocating Compressor



**M-Series**  
**Air Cooled Type**

<https://mayekawa.com/americas/mna>

# M

Series Air Cooled

## M-Series Air Cooled Type

A new air cooled ammonia compressor in our M-series product line

### NEW DESIGN, HIGH PERFORMANCE

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

### IMPROVED OVERHAUL INTERVALS

The Air Cooled M-Series incorporates a new valve design with improved durability and dramatically extended overhaul intervals.

### NO OIL COOLER

No oil cooler; therefore, no refrigerant or water is required for cooling.

### WIDE RANGE OF PRESSURE CONDITIONS

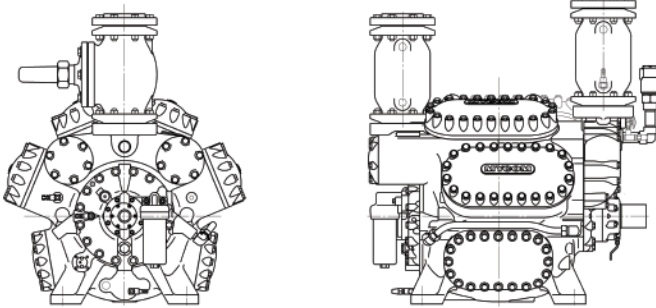
The components are designed for high pressure applications and a wide range of operating conditions. The Air Cooled M-Series can be used in demanding applications such as high pressure system heat pumps.

### EASY MAINTENANCE

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

### DIMENSIONS & SPECIFICATIONS

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



Weight : kg [lbs], Length : mm [inch]

| MODELS | WEIGHT        | W          | L          | H        |
|--------|---------------|------------|------------|----------|
| 2M     | 675 [1,488]   | 715 [28]   | 1,070 [42] | 890 [35] |
| 4M     | 1,080 [2,380] | 995 [39]   | 1,150 [45] | 890 [35] |
| 6M     | 1,310 [2,888] | 1,065 [42] | 1,165 [46] | 920 [36] |
| 8M     | 1,535 [3,384] | 1,085 [43] | 1,205 [47] | 910 [36] |

|                            |                         | 2M                        | 4M        | 6M                        | 8M                 |
|----------------------------|-------------------------|---------------------------|-----------|---------------------------|--------------------|
| Refrigerant                |                         | Ammonia                   |           |                           |                    |
| Compressor type            |                         | Reciprocating, Open Type  |           |                           |                    |
| Number of cylinders        |                         | 2                         | 4         | 6                         | 8                  |
| Bore                       | mm [inch]               | 146 [5.75]                |           |                           |                    |
| Stroke                     | mm [inch]               | 106 [4.17]                |           |                           |                    |
| Displacement <sup>*1</sup> | m <sup>3</sup> /h [cfm] | 207 [122]                 | 413 [243] | 620 [365]                 | 826 [486]          |
| Speed with Ammonia         | rpm                     | 600 - 1,200 <sup>*2</sup> |           | 660 - 1,200 <sup>*2</sup> |                    |
| Drive method               |                         | Direct drive / V-belt     |           |                           |                    |
| Capacity control           | %                       | 100 / 50                  | 100 / 50  | 100 / 66 / 33             | 100 / 75 / 50 / 25 |

\*1. Displacement @ 970rpm

\*2. The range of rotation speed varies according to the operating conditions. Please refer to the ranges of use stated in the operating instructions

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