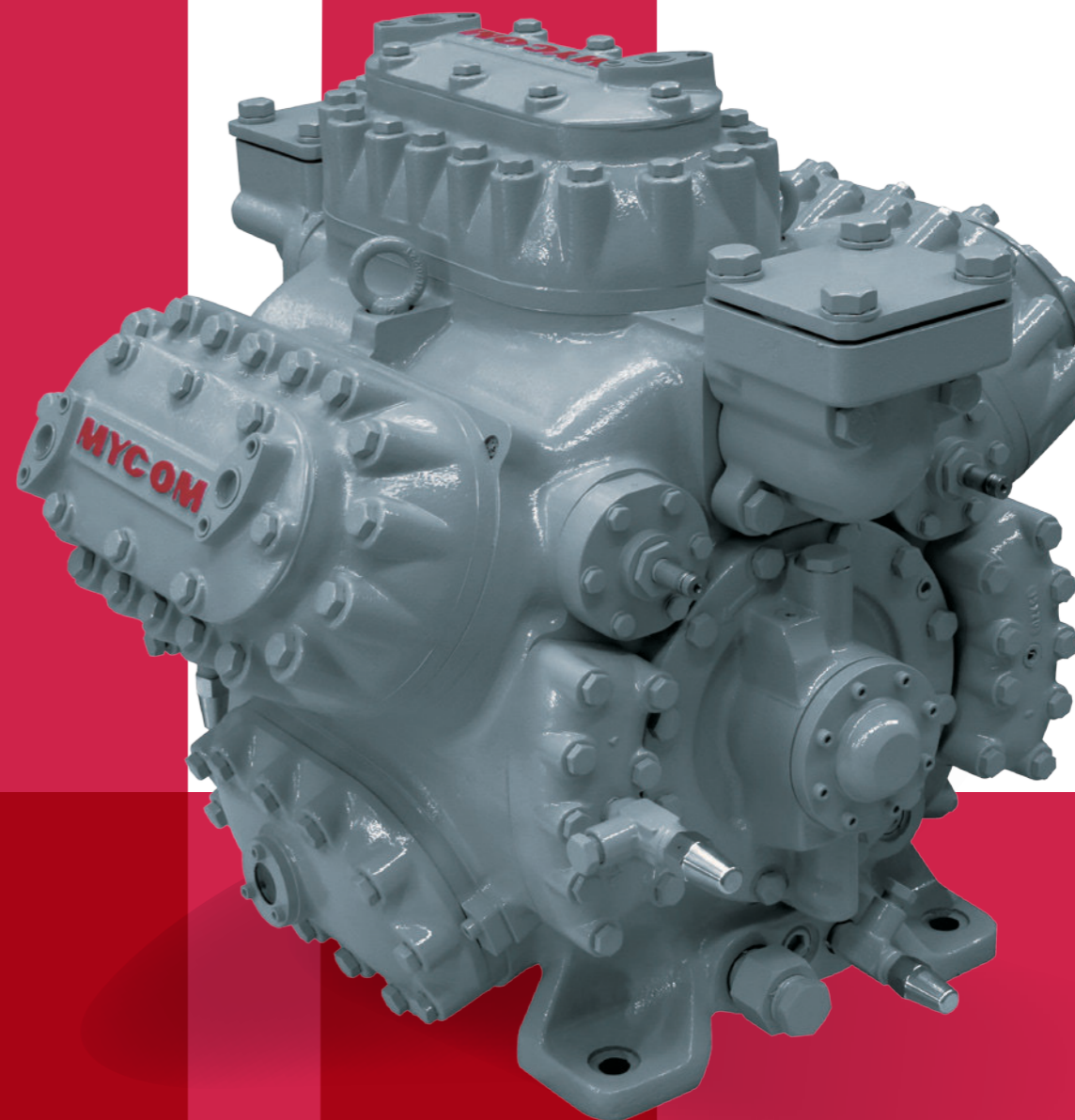


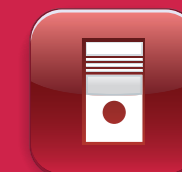
HK SERIES RECIPROCATING COMPRESSOR



HK SERIES RECIPROCATING COMPRESSOR

Reciprocating Compressor / **Single Stage** Open Type

HK SERIES



MYCOM

* Some optional items are included in this photo.

MAYEKAWA
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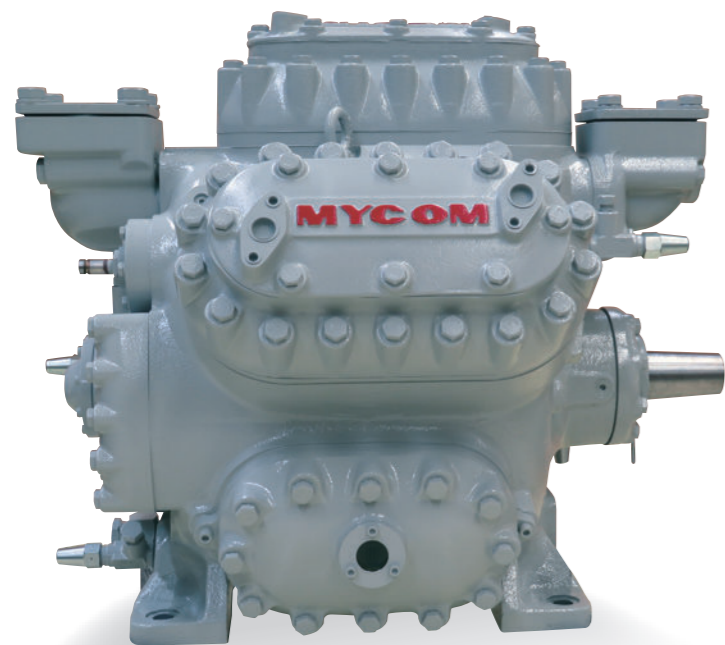
[Inquiries]: global-contact@mayekawa.co.jp

<http://www.mayekawa.com>

PD157 01001609-16.09.

Standard model of the high pressure (50bar) compressor series
Compatible with natural refrigerants

Reciprocating Compressor [Single Stage] Open Type HK-SERIES



* Some optional items are included in this photo.

A compressor compatible with ammonia heat pump systems

Achieved condensing temperature at 85 °C to operate with ammonia heat pump systems. This series can also be used for systems utilizing exhaust and waste heat.

50bar high pressure design

From CO₂ cascades to ammonia heat pumps, these compressors are designed for a wide temperature range. This series can also be used for CO₂ hot gas defrost systems.

High reliability

Since its production launch in 2004, the HK series has become the trusted model for many applications.

Specifications

Item	Model* ¹ (N/C)		
	4HK-P	6HK	
Refrigerant	Ammonia / CO ₂		
Compressor type	Reciprocating, Open Type		
Number of cylinders	4	6	
Bore	mm	85	
Stroke	mm	65	
Displacement* ²	m ³ /h	128	193
Rotation speed	rpm	900-1800* ³	
Drive method	Direct drive		
Capacity control	%	100/50	100/66/33

*1. Specify the refrigerant by adding a prefix to the type code (N = Ammonia / C = CO₂).

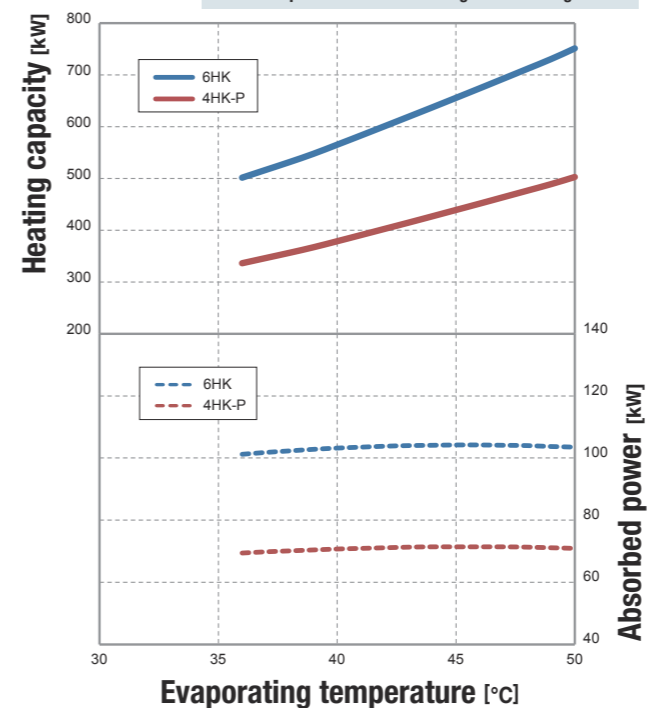
*2. Displacement at 1450 rpm

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

Performance charts

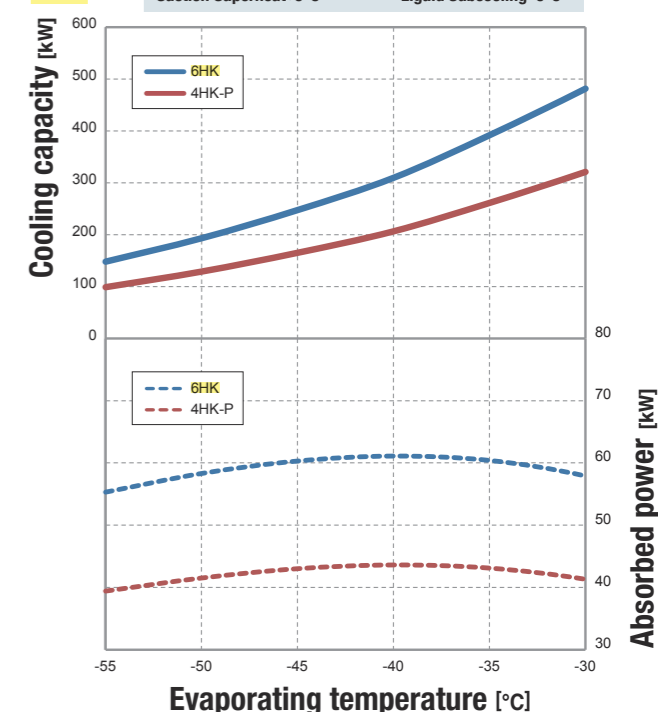
Ammonia

Condensing temperature: 85°C
Suction Superheat: 0°C
Rotation speed: 1450rpm
Liquid Subcooling: 5°C



CO₂

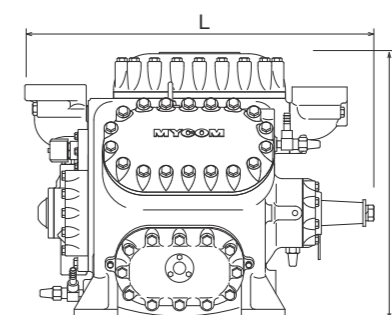
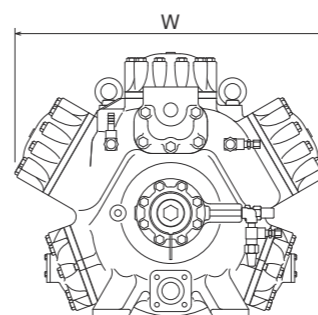
Condensing temperature: -10°C
Suction Superheat: 0°C
Rotation speed: 1450rpm
Liquid Subcooling: 0°C



* Please consult us for further details.

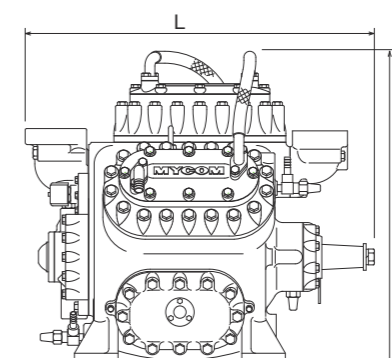
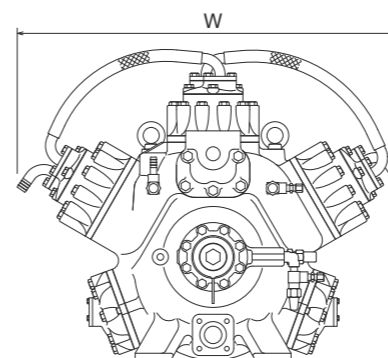
Outer dimensions

[Air cooled type (CO₂)]



Model (C)	Weight (kg)	W (mm)	L (mm)	H (mm)
4HK-P	350	680	785	585
6HK	350	680	785	585

[Water cooled type (Ammonia)]



Model (N)	Weight (kg)	W (mm)	L (mm)	H (mm)
4HK-P	360	840	785	685
6HK	360	840	785	685

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

* The stop valve, companion flange, flywheel, safety valve, and oil cooler are not included.