

WBHE SERIES RECIPROCATING COMPRESSOR

Reciprocating Compressor / **Single Stage** Open Type

WBHE SERIES



MYCOM

* Some optional items are included in this photo.

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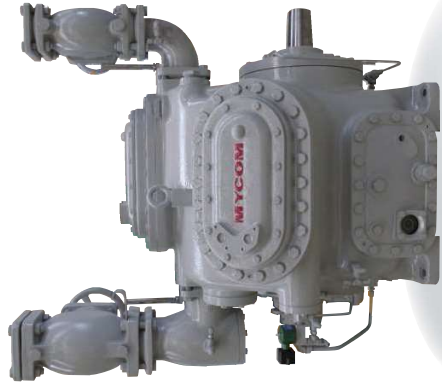
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More than 15,000 units serving across the world. A proven model with an industry leading reliability and track record.

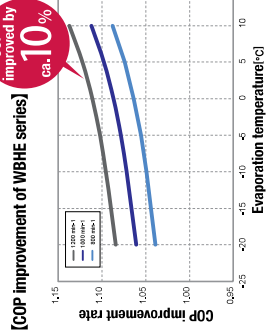
Reciprocating Compressor [Single Stage] Open Type WBHE-SERIES



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New Design with Enhanced Performance

Redesigned valve structure and reduced mechanical losses have achieved further improvements in performance compared to conventional models.



* Ratio compared to the COP of a conventional model (WBH)

Applications

With a high-pressure design suitable for use in air-cooled condensing units for fluorocarbon refrigerants, the model operates over a wide range of temperature and serves in large-scale refrigerating and freezing applications.

[Usable refrigerants]

Natural refrigerants	Fluorocarbon refrigerants
Ammonia	R134a
Propane	R404A
	R507A
	R23

High Reliability

A long-selling model with industry-leading reliability and track record, designed for tough applications subject to load fluctuation.

Specifications

Item	Model ¹⁾ (N/P/F)	4WBHE	6WBHE	8WBHE
Refrigerant		Ammonia / Propane / HFCs (R134a, R404A, R507A, R23 ²⁾)		
Compressor type		Reciprocating, Open Type		
Number of cylinders		4	6	8
Bore	mm	130		
Stroke	mm	100		
Displacement ³⁾	m ³ /h	464		
Rotation speed	rpm	800-1200 ⁴⁾		
Drive method		Direct drive / V-belt		
Capacity control	%	100/50	100/66/33/0 ⁵⁾	100/75/50/25/0 ⁵⁾

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

²⁾ For the fluorocarbon refrigerant, the machine will come with special specifications. Please contact us for detailed information.

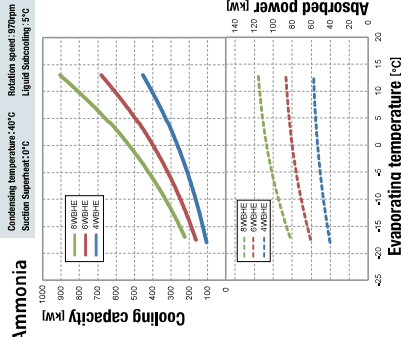
³⁾ Displacement at 970 rpm.

⁴⁾ The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

⁵⁾ The capacity control value of 0% can be realized by an optional feature. Please contact us for detailed information.

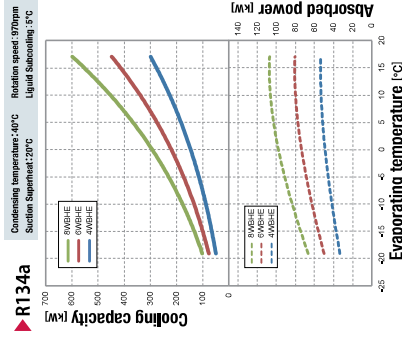
Performance charts

▶ Ammonia

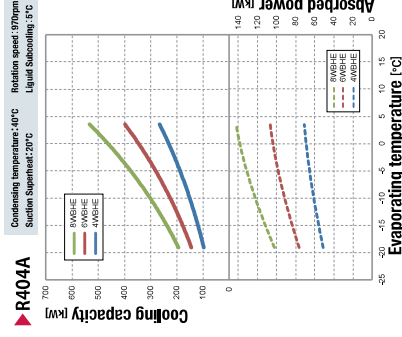


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▶ R134a

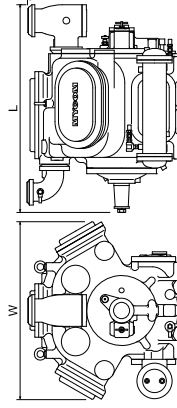


▶ R404A



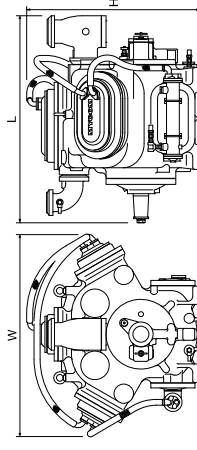
Outer dimensions

[Air cooled type (Propane, HFCs)]



Model (P/F)	Weight (kg)	W (mm)	L (mm)	H (mm)
4WBHE	875	990	1075	920
6WBHE	1155	1060	1240	915
8WBHE	1245	1095	1240	905

[Water cooled type (Ammonia)]



Model (N)	Weight (kg)	W (mm)	L (mm)	H (mm)
4WBHE	890	1050	1075	920
6WBHE	1180	1210	1240	1035
8WBHE	1280	1285	1240	1060

* The outer dimension drawings illustrate the G-collector model.

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

* The oil cooler is included.

* Please consult us for further details.