



## MHS SERIES SCREW COMPRESSOR

Screw Compressor / **Two Stage** Semi-hermetic Type

## MHS SERIES



# MYCOM

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Highly-efficient Compound Compressor for Low Temperature Applications

# Screw Compressor [Two Stage] Semi-hermetic Type MHS SERIES



## High Efficiency

The water-cooled semi-hermetic motor, as well as Mayekawa's unique rotor design featuring different diameters, enables high efficiency.

## Allows Compact Packaging

The semi-hermetic motor, as well as the integral oil separator, enables compact packaging of the MHS series.

## Reduced Noise and Vibration

## New Design Eliminates a Need for Oil Pump

The newly adopted ball bearings eliminate the need for an oil pump and enable the delivery of high performance.

## Specifications

Item		Model	22H1290SSC		27H1290SSC		37H1410SSC	
			Low stage	High stage	Low stage	High stage	Low stage	High stage
Refrigerant			R404A/R507A					
Theoretical displacement	2950rpm	m <sup>3</sup> /h	145	54.4	145	54.4	222	83.9
	3550rpm	m <sup>3</sup> /h	175	65.6	175	65.6	268	101
Minimum rotation speed		rpm	1500					
Maximum rotation speed		rpm	4200					
Capacity control		%	100/50					
Gas inlet port			50A*1				65A*1	
Gas outlet port			25A*1				32A*1	
Semi-hermetic motor		kW	22		27		37	

\* 1. Mayekawa's uniquely designed flange is used.

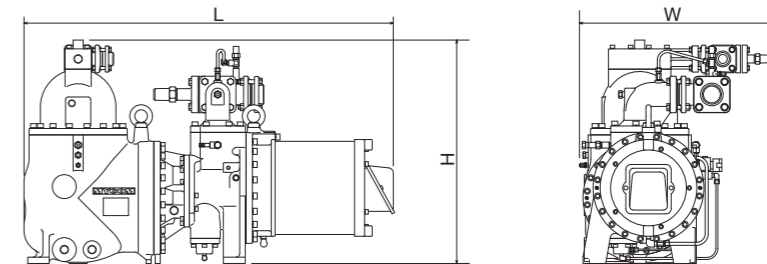
\* The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

## Performance charts

Refrigerant		R404A	
Temperature condition		-40 / +35°C	
Model		Liquid Subcooling: 5°C Suction Superheat: 20°C Rotation speed: 2950rpm	
22H1290SSC 27H1290SSC	Cooling capacity (kW)	32.6	
	Absorbed power (kW)	23.0	
37H1410SSC	Cooling capacity (kW)	53.5	
	Absorbed power (kW)	35.4	

\* The machine cannot be used under certain conditions. Please consult us for further details.

## Outer dimensions



Model	Weight (kg)	W (mm)	L (mm)	H (mm)
22H1290SSC	520	693	1312	797
27H1290SSC	560	693	1352	797
37H1410SSC	810	765	1472	887

\* The outer dimension drawings illustrate the model 37H1410SSC. \* Please consult us for further details.