

MHS SERIES SCREW COMPRESSOR



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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 ³ /h	145	54.4	145	54.4	222	83.9
	3550rpm	m ³ /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.

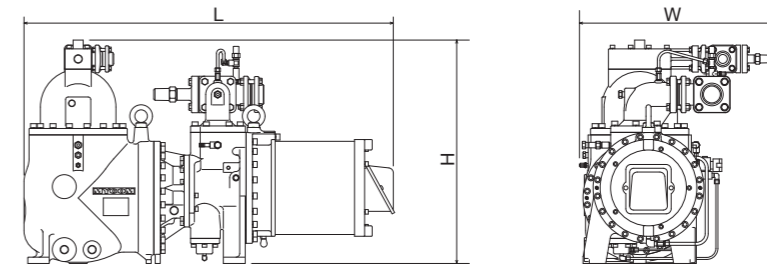
* The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

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.