



C SERIES SCREW COMPRESSOR

Screw Compressor / **Two Stage** Open Type

C SERIES



MYCOM

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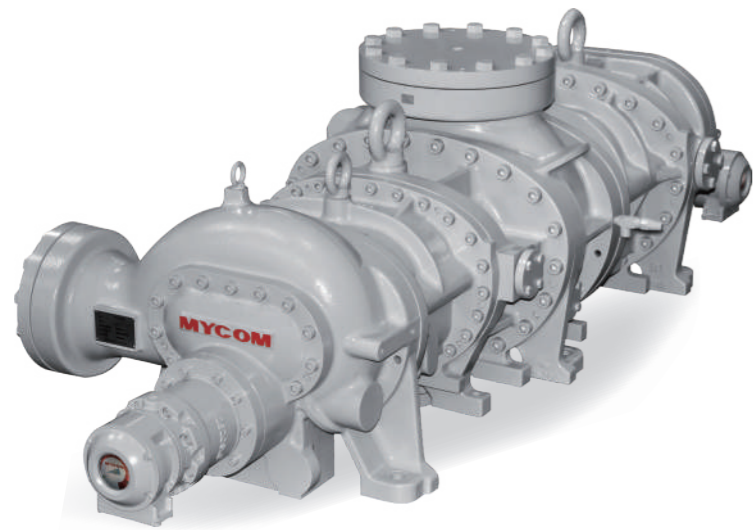
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Highly-efficient Compound Compressor
with No.1 Track Record in Low Temperature
Applications

Screw Compressor [Two Stage] Open Type C SERIES



Single Machine Two-stage Compression to Efficiently Cover Low Temperature Range

Wide-ranging Lineup

Available in 6 models with different rotor diameter configurations to cover a wide displacement* range from 367 m³/h to 9,700 m³/h.

* This catalog lists representative models combined with standard rotor length. Please contact us separately for available variants.

MYCOM's Unique Industrial Compound Compressor

Needs only one motor and oil separator and thus contributes to space saving.

Longtime Seller

A lineup of medium- to large-sized two-stage compressors with a proven 4:6 rotor configuration.

Specifications

Item	Model (N/F) ^{*1}		1610SLC-52 ^{*2}		1612LSC		2016LSC		2520LSC		3225LSC		4032LSC	
	Low stage	High stage	Low stage	High stage	Low stage	High stage	Low stage	High stage	Low stage	High stage	Low stage	High stage	Low stage	High stage
Refrigerant	Ammonia / HFC													
Theoretical displacement	2950rpm	m ³ /h	367 ^{*3}	135 ^{*3}	622	197	1210	519	2360	810	4740	1580	9700	3170
	3550rpm	m ³ /h	367 ^{*4}	135 ^{*4}	749	237	1460	499	2840	975	5700	1900	11700	3820
Minimum rotation speed	rpm	1450												
Maximum rotation speed	rpm	1450	4500				3600							
Rotation direction		CW as viewed from motor			CCW as viewed from motor									
Capacity control	%	100 ~ 30												
Gas inlet port		MYCOM 125A ^{*5}	MYCOM 125A ^{*5}	JIS20K 150A	JIS20K 250A	JIS20K 350A	ANSI#300 16"							
Gas outlet port		JIS20K 50A	MYCOM 65A ^{*5}	JIS20K 80A	JIS20K 100A	JIS20K 150A	ANSI#300 8"							

*1. Specify the refrigerant by adding a prefix to the model code (N = ammonia / F = fluorocarbons). *2. The model 1610SLC-52 includes an internal step-up gear.
*3. Value at 1450 rpm. *4. Value at 1750 rpm of the model 1610SLC-62. *5. Flanges with a designation starting with MYCOM are in-house products of MYCOM.
* The range of rotation speed varies by operating conditions. Please refer to the ranges of use stated in the operating instructions.

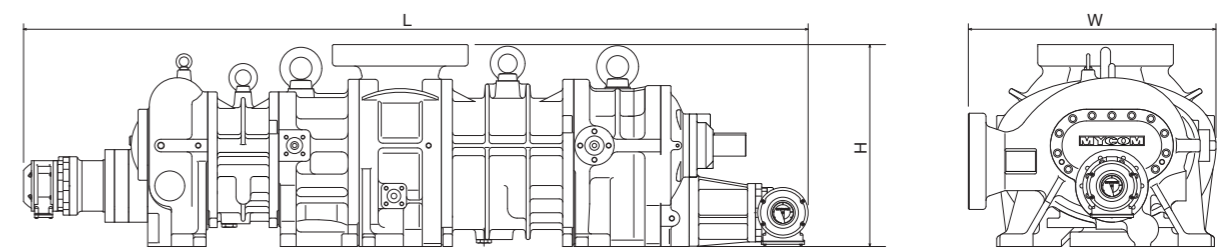
Performance charts

Refrigerant	Temperature condition	Ammonia	R404A
		-40 / +35°C	-40 / +35°C
Model		Liquid Subcooling : 5°C Suction Superheat : 0°C Rotation speed : 2950rpm	Liquid Subcooling : 5°C Suction Superheat : 20°C Rotation speed : 2950rpm
		1610SLC-52 ^{*1}	Cooling capacity (kW)
Absorbed power (kW)	42.8		58.8
1612LSC	Cooling capacity (kW)	114.1	135.7
	Absorbed power (kW)	67.5	94.9
2016LSC	Cooling capacity (kW)	234.4	281.4
	Absorbed power (kW)	135.0	188.8
2520LSC	Cooling capacity (kW)	462.8	555.2
	Absorbed power (kW)	261.9	366.1
3225LSC	Cooling capacity (kW)	909.8	1094.7
	Absorbed power (kW)	506.1	708.2
4032LSC	Cooling capacity (kW)	1861.4	2224.9
	Absorbed power (kW)	1055.8	1494.3

*1. Values at 1450 rpm are listed for the 1610SLC-52.

* 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)
1610SLC-52 ^{*1}	610	629	1400	511
1612LSC	500	511	1321	493
2016LSC	1100	657	1691	513
2520LSC	2050	785	2487	640
3225LSC	3310	945	2715	832
4032LSC	9350	1181	2730	1305

*1. Dimensions of the model 1610SLC-52 include an internal step-up gear.

* The outer dimension drawings illustrate the model 2520LSC. * Please consult us for further details.