

## UD/G SERIES SCREW COMPRESSOR

Screw Compressor / **Single Stage** Open Type

## UD / G SERIES



# MYCOM

**MAYEKAWA**  
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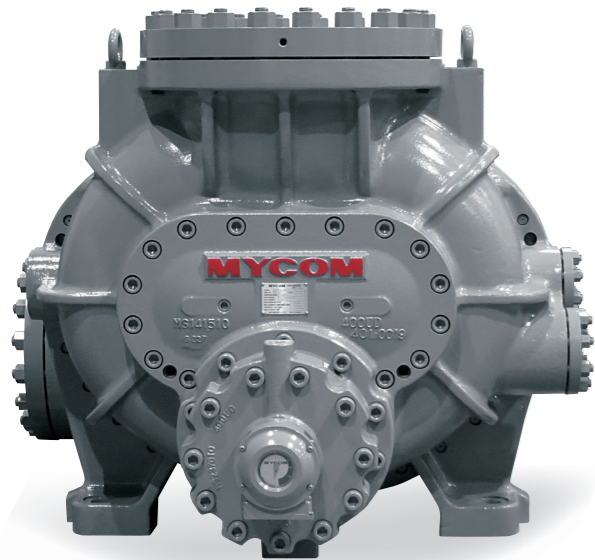
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Screw compressor that can handle various refrigerants while covering both small- and large-capacity ranges

## Screw Compressor [Single Stage] Open Type UD/G SERIES

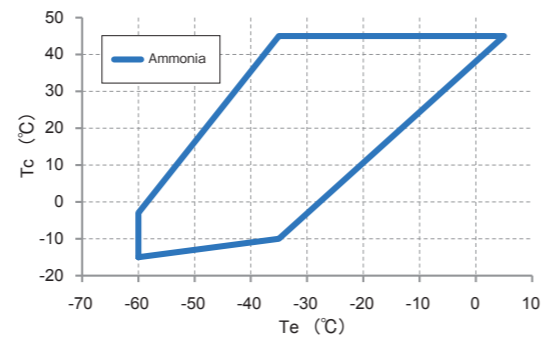


### Supports Large-Capacity Range

A lineup of high-capacity compressors with a displacement of up to 15,600 m<sup>3</sup>/h, which is not available in the SCV series.

### Applications

Operates over a wide range of temperature and serves in industrial refrigerating and freezing applications. Also workable as a booster compressor.



\* The temperature range varies by model.

### Longtime Seller

With a proven 4:6 rotor configuration, the UD/G series offers optimal performance to customers.

### Specifications

Model (N/P/F)*1 *2			125		400				
			SUD	LUD	SUD	MUD	LUD	LLUD	XLUD
Refrigerant			Ammonia / Propane, propylene / HFCs						
Theoretical displacement	2950rpm	m <sup>3</sup> /h	197	295	6480	8140	9700	11500	12900
	3550rpm	m <sup>3</sup> /h	237	356	7800	9800	11700	13800	15600
Minimum rotation speed	rpm		1450*3		1450*3				
Maximum rotation speed	rpm		4500*3		3600*3				
Rotation direction			CCW as viewed from motor						
Capacity control	%		100-30						
Gas inlet port			MYCOM 100A**		ANSI #300 16"				
Gas outlet port			MYCOM 65CD**		ANSI #300 12"				

\* 1. Specify the refrigerant by adding a prefix to the model code (N = ammonia / P = propane, propylene / F = fluorocarbons).

\* 2. Please contact us separately for models with a designation ending with G (downward discharge).

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

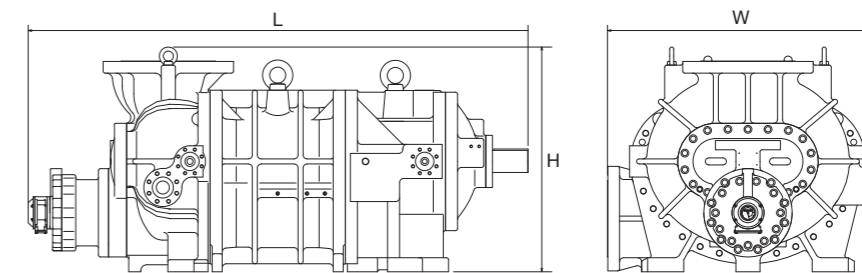
\* 4. Flanges with a designation starting with MYCOM are in-house products of MYCOM.

### Performance charts

Refrigerant	Temperature	Ammonia			Propane	R404A		R134a
		-40 / +35°C	-40 / -10°C	-10 / +35°C	-10 / +35°C	-40 / +35°C 400LL @ -40 / +30 °C	0 / +40°C 400LL @ 0 / +30 °C	+2 / +42°C
Model	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm Economizer-type	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 0°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 10°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm Economizer-type	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm	Liquid Subcooling: 5°C Suction Superheat: 25°C Rotation speed: 2950rpm
	Cooling capacity (kW)	Absorbed power (kW)	Cooling capacity (kW)	Absorbed power (kW)	Cooling capacity (kW)	Absorbed power (kW)	Cooling capacity (kW)	Absorbed power (kW)
125SUD/G		33.9	–	125.9	101.7	40.6	154.5	100.9
		25.3	–	35.3	32.5	34.4	47.0	26.6
125LUD/G		51.0	–	188.1	151.7	59.9	230.4	153.3
		36.9	–	51.5	47.3	49.9	68.5	39.9
400SUD		1214.2	1378.3	4329.6	3488.5	1392.9	5287.6	3553.9
		823.8	322.8	1149.4	1057.0	1104.6	1529.0	899.0
400MUD		1517.3	1731.5	5438.9	4382.3	1724.7	6642.4	4464.3
		1032.0	405.5	1443.9	1327.8	1380.1	1920.7	1129.3
400LUD		1803.0	2063.2	6480.9	5222.0	2040.7	7915.0	5319.9
		1227.9	483.2	1720.5	1582.2	1640.3	2288.7	1345.7
400LLUD		2114.3	2439.9	7664.2	6175.4	2519.6	10864.0	6307.1
		1446.1	571.4	2034.6	1871.1	1779.1	2206.0	1591.4
400XLUD		–	2739.5	–	–	–	–	–
		–	641.6	–	–	–	–	–

\* 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)
125SUD	200	404	846	386
125LUD	220	404	916	386

Model	Weight(kg)	W (mm)	L (mm)	H (mm)
400SUD	5310	1290	2109	1120
400MUD	6160	1290	2275	1120
400LUD	7010	1290	2491	1120
400LLUD	7810	1290	2613	1120
400XLUD	8880	1290	2716	1120

\* The outer dimension drawings illustrate the model 400LUD. \* Please contact us separately for models with a designation ending with G (downward discharge).

\* Please consult us for further details.