

# V·UD

Series

Screw Compressor

**MAYEKAWA**  
**MYCOM**



**Single Stage  
Open Type**

<https://americas.mayekawa.com/mna>

# V·UD-Series Screw Compressor

MYCOM's proven design, the established industry standard

## RANGE

Broad range of models from 125mm (276 CFM) to 400mm (8,120 CFM)

## HOUSING

Low porosity Cast Iron, ANSI / ASHRAE STD.15, hydraulically tested at 470 Psig after assembly.

## BEARING

Radial bearings are steel-backed babbitted-sleeve type. Thrust bearings are angular contact ball bearings with oversized balance piston.

## ROTOR PROFILE

MYCOM "O" profile reduces the rotor interlobe gas blow-by and improves sealing oil film on rotor surface by use of a circular arc profile rather than the conventional sealing edge.

## VARIABLE $V_i$ \*on V-series

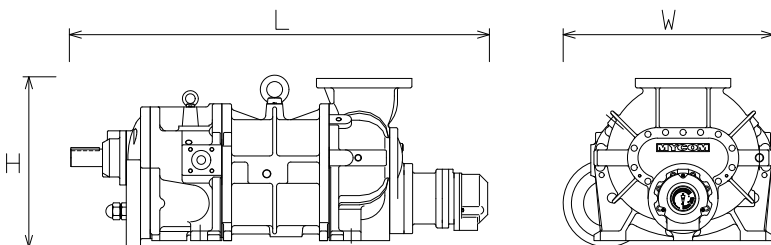
The internal volume ration ( $V_i$ ) may be manually adjusted from 2.6 to 5.8 (2.2 to 5.0 as an option) to provide the lowest power consumption for any given application.

## CAPACITY CONTROL

A hydraulically-operated slide valve regulates the compressor capacity from 10% to full load with improved part load performance.

## DIMENSIONS & SPECIFICATIONS

Dimensions are for reference only. Please contact MYCOM for more detailed drawings.



MODEL	L	W	H
160VS	1027 [40.43]	470 [18.50]	410 [16.14]
160VM	1072 [42.40]		
160VL	1117 [43.98]		
200VS	1199 [47.20]		
200VM	1256 [49.45]	570 [22.44]	510 [20.08]
200VL	1311 [51.61]		
250VS	1395 [54.92]		
250VM	1467 [57.76]		
250VL	1535 [60.43]	715 [28.15]	640 [25.20]
250VLL	1613 [63.48]		
320VSD	1796 [70.71]		
320VMD	1884 [74.71]		
320VLD	1971 [77.60]	890 [35.04]	780 [30.71]

		160V S/M/L	200V S/M/L	250V S/M/L/LL	320V S/M/L	360GV M/L/LL	125UD S/L	320UD LL	400UD S/M/L/LL/XL/XXL
Refrigerant		NH3/HFC/Propane							
Weight of Compressor	lb	816/838/860	1,380/1,477/1,544	2,602/2,690/2,867/3065	4,939/5,468/5,821	Ask Mayekawa	485/507	6,856	11,706/13,580/15,454/17,218/19,577/22,090
Min. Rotation	rpm	1,450			1,450	600	1,450	1,450	Ask Mayekawa
Max Rotation	rpm	4,500			3,600	3600	4,500	3,600	Ask Mayekawa
Displacement @ 3,550rpm	CFM	294/367/441	574/718/859	1,120/1,400/1,670/1,980	2,250/2,800/3,350	4,238/5,120/6,003	130/210	3,970	4,590/5,570/6,890/8,120/9,300/10,322
Capacity Control		10 to 100%							
Design Pressure	MPa/PSI	2.16/313							
Refrigerant Oil		Ask Mayekawa Branch							

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