

360GV

Screw Compressor

MAYEKAWA
MYCOM



Proudly brought to you by Mayekawa's Global Compressor Design team

360GV

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

360GV

NEW SCREW COMPRESSOR SERIES

INCREASED CAPACITY

The perfect fit for large-capacity projects with industry-leading cost performance

HIGHER EFFICIENCY

New rotor profile for the best adiabatic efficiency in the class

EXPANDED OPERATING PARAMETERS

Designed for higher pressures and temperatures, for an expansive range of applications.

NEW LUBE METHOD

NO OIL PUMP for most applications, for ease of packaging and operation

IMPROVED RESILIENCE

Built with ductile iron casing and forged steel rotors

		360GVM	360GVL	360GVLL
Gas		Hydrocarbon, CO ₂ , NH ₃ , Freon		
Bearings	Radial Bearings	Cylindrical Roller Bearing		
	Thrust Bearings	Angular Contact Ball Bearing		
Lube Supply		Differential pressure Pd-Ps>73psi AND Poil=Pd-73psi		
Capacity Control	Method	Slide Valve		
	Min. Capacity %	20	20	25
Rotating Speed (RPM)	Max.	3,600		
	Min.	600		
Allowable Suction Pressure (psig [BarG])	Max.	87 [6]		
	Min.	-11.6 [-0.8]		
Max. Allowable Discharge Pressure (psig [BarG])		377 [26]		
Casing Design Pressure (psig [BarG])		435 [30]		
Max. Discharge Temperature (F [C])		250 [120]		
Max. Lube Supply Temperature (F [C])		230 [110]		
Min. Suction Temperature (F [C])		-76 [-60]		
Variable Vi		Hydraulic Vi Stop, Standard: 2.5-5.0, Option: 2.0 - 4.0		
L / Dm		1.38	1.65	1.95
Swept Volume (CFM[m ³ /h])		4,240 [7,240]	5,120 [8,660]	6,000 [10,200]
Location of oil connection		Left side (viewed from drive shaft)		
Location of Discharge Flange		Right side (viewed from drive shaft)		

Main Features

- compact design with new profile rotors
- auto Vi
- optional lower Vi
- higher maximum discharge pressure
- higher maximum discharge temperature
- higher maximum oil supply temperature
- cylindrical roller bearings
- unloading by spring
- ductile iron casings
- forged steel rotors
- capacity offload when shutdown
- no external oil pump for most applications

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* The information contained herein is for reference only. Subject to change without notice.
Contact Mayekawa for the latest information.

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