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# NEW SCREW COMPRESSOR SERIES

361

## **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

		360MGV	360LGV	360LLGV
Gas		Hydrocarbon, CO2, NH3, Freon		
Bearings	Radial Bear- ings	Cylindrical Roller Bearing		
	Thrust Bear- ings	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	Max.	3,600 rpm		
	Min.	600 rpm		
Allowable Suction Pressure	Max.	87 psig [6 BarG]		
	Min.	-11.6 psig [-0.8 BarG]		
Max. Allowable Discharge Pressure		377 psig [26 BarG]		
Casing Design Pressure		435 psig [30 BarG]		
Max. Discharge Temperature		250 °F [120 °C]		
Max. Lube Supply Temperature		230 °F [110 °C]		
Min. Suction Temperature		-76 °F [-60 °C]		
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		4,240 CFM [7,240 m <sup>3</sup> /h]	5,120 CFM [8.660 m <sup>3</sup> /h]	6,000 CFM [ 10,200 m <sup>3</sup> /h]
Oil connections (Journal, Oil injections)		ANSI #300		
Gas connections (Suction, Discharge, Economizer)		ANSI #300		

#### **Main Features**

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compact design with new profile rotors

auto Vi 

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- 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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