

# ROGERS

## MG Series

Lubricated Rotary Screw Air Compressors

15 – 60 HP  
100 – 200 PSIG  
52 – 203 CFM

**Energy Saving  
Variable Speed  
Option Available**



The ROGERS MG Series is a state-of-the-art single stage, lubricated, direct driven rotary screw air compressor assembly.

[www.rogers-machinery.com](http://www.rogers-machinery.com)

# ROGERS MG Series

## The ROGERS MG Series

represents the latest in compressed air technology. The air-end is a direct driven, non-gear assembly.

The high efficiency rotor profile incorporates tapered roller bearings for reliable operation and long life. This design

includes a five (5) year warranty on the air-end when using Rogers CLS46 synthetic lubricant. The standard motor also has a five (5) year warranty.

All components are manufactured in the USA. The compressor packages are designed, assembled, and tested in our Centralia, Washington plant.

### DESIGN FEATURES

- High efficiency rotor profile<sup>1</sup>
- Large tapered roller bearings
- Spin on air/lubricant separator element and lubricant filter
- Five (5) year air-end and standard motor warranty
- SAE O-ring seal lubricant connections
- Integral air-cooled lubricant/aftercooler with moisture separation system and automatic drain
- Direct driven, non-gear<sup>1</sup>
- Automatic temperature regulation<sup>1</sup>
- Oversized heat exchangers
- Triple lip compressor shaft seal
- Pressure differential lubrication system
- CSA listed control panel
- Flange mounted compressor and motor for permanent alignment

### STANDARD EQUIPMENT

- Compressor with modulating inlet valve
- C-Flange Open drip-proof motor
- OSHA type coupling guard
- Spin on type lubricant filter with indicator
- Air-cooled aftercooler, separator and automatic drain
- Inlet air filter/silencer with indicator
- Dual control
- 15-30 HP (Start/stop & modulating)
- 40-60 HP (load/unload & modulating)
- Rogers CLS46 synthetic lubricant
- Powder coated sound attenuating enclosure, standard on 40 to 60 HP models
- Heavy-duty steel base
- Non-lubricated drive coupling
- Spin on air/lubricant separator with differential guage
- Air-cooled lubricant cooler with automatic temperature control
- ASME safety relief valve
- Minimum pressure/discharge air check valve
- Solenoid operated blowdown valve
- High temperature shutdown switch with manual reset
- ASME coded lubricant reservoir
- All components made in USA

### STANDARD INSTRUMENTATION

- Air pressure gauges, sump and package
- Air/lubricant temperature gauge
- Oil level sight tube
- Hour meter
- Percent capacity gauge
- Condition indicators:
  - Air inlet filter indicator
  - Lubricant filter indicator
  - Air/lubricant separator guage

### OPTIONAL EQUIPMENT

- Air reheat<sup>1</sup>
- Low unloaded horsepower control with timed shutdown<sup>1</sup>
- Motor starters—all types, voltages, NEMA ratings
- Timed, electronic automatic drain standard on tank-mounted units
- Food grade synthetic lubricant
- Lead/lag control
- Powder coated sound attenuating enclosure, 15 to 30 HP models (standard on larger models)
- 120 gallon ASME coded receiver with safety valve, pressure gauge, and automatic drain (15 to 30 HP models)/200 gallon available for all models<sup>2</sup>
- Premium efficiency motor<sup>1</sup>
- Water-cooled designs
- Variable Speed Drives on select models<sup>1</sup>

<sup>1</sup> These features reduce energy consumption.

<sup>2</sup> High pressure models (200 PSIG) not available in tank-mounted configuration.



Model MG50, tank mounted assembly

# Inside the ROGERS MG Series

## 24-HOUR DUTY

The MG Series compressor is a rugged design, capable of operating fully loaded around the clock.

## INLET FILTRATION

Air inlet filter with noise dampening weather hood and indicator.

## LUBRICANT FILTER

Spin on type filter with differential gauge for quick and easy servicing.

## AIR/LUBRICANT SEPARATION

Three stage air/lubricant separation with spin-on separator results in less than 2 PPM(M) lubricant carry-over complete with differential gauge.

## AIR-COOLED COOLERS

Unit includes an integral air-cooled lubricant/aftercooler with moisture separation and automatic drain providing a 10°F approach temperature.

## LOW UNLOADED HORSE-POWER WITH TIMED SHUTDOWN (OPTIONAL)

Reduces unloaded power to 15%-18% of full load. No sump pressure retained.

## THERMOSTATIC VALVE

Provides automatic temperature regulation.

## AIR CAPACITY GAUGE

An air capacity gauge is standard on all MG Series assemblies. This gauge allows measurement of how much compressed air the plant uses, how much air is lost through system leaks, and how much capacity remains available.

## FIVE (5) YEAR MOTOR WARRANTY

Unit equipped with standard C-flange open drip-proof motor, includes five (5) year warranty.

## SHAFT SEAL

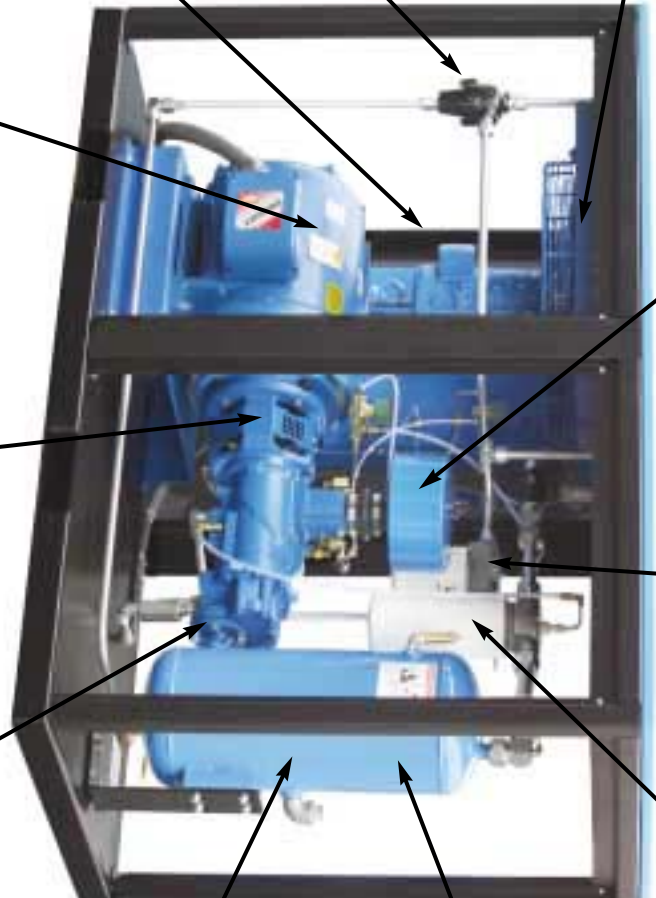
Triple lip shaft seal provides unequalled reliability in this crucial area.

## FIVE (5) YEAR AIR-END WARRANTY

Direct drive, high efficiency rotor design results in maximum air flow using minimum horsepower, with five (5) year warranty.

## SYNTHETIC LUBRICANT

Rogers QLS46 synthetic provides extended fluid life and enhanced separation characteristics.



## PERFORMANCE DATA

Capacity, ACFM<sup>1</sup>

MODEL	Motor	100 HP	125 PSIG	150 PSIG	175 <sup>2</sup> PSIG	200 <sup>2</sup> PSIG
MG15	15	55	55	—	—	—
MG20	20	83	82	54	53	—
MG25	25	98	96	81	80	52
MG30 <sup>3</sup>	30	126	126	95	93	78
MG40 <sup>3</sup>	40	172	169	118	116	91
MG50 <sup>3</sup>	50	203	202	167	164	114
MG60	60	—	—	201	197	161

DIMENSIONS (Typical, do not use for construction. Certified prints are available upon request.)

Base Mounted Units

Tank Mounted Units<sup>4</sup>

	Base Mounted Units			Tank Mounted Units <sup>4</sup>							
	L Inches	W Inches	H Inches	L Inches	W Inches	H Inches	Weight (lbs.)	L Inches	W Inches	H Inches	Weight (lbs.)
MG15	72	42	50	80	42	79	1785				
MG20	72	42	50	80	42	79	1800				
MG25	72	42	50	80	42	79	1810				
MG30 <sup>3</sup>	72	42	50	80	42	79	1820				
MG40 <sup>3</sup>	72	42	50	83	42	85	2341				
MG50 <sup>3</sup>	72	42	50	83	42	85	2451				
MG60	72	42	50	83	42	85	2511				

<sup>1</sup> Air delivery rating in accordance with CAGI/PNEUROP Standard P120P12C.

<sup>2</sup> Operation at these pressures requires a change in warranty.

<sup>3</sup> Variable Speed Drive options available on these models.

<sup>4</sup> Dimensions for 120 Gallon 15-30 HP, 200 Gallon 40-60 HP.

# Service Support

## SERVICE COMMITMENT

For over 55 years, we have maintained a commitment to provide immediate service of the highest quality. What does this mean to you? A reliable compressed air system backed by the largest parts inventory in the Pacific Northwest!

When you calculate the cost of down-time and distraction of key people, we believe you will realize you can afford the best.

When you purchase a Rogers assembly, you receive our 24-hour emergency parts and service shipment guarantee.



## OUR GUARANTEE

If you notify us that you have an emergency and require a standard part or service for your Rogers compressor, we will ship the part and/or initiate the service within 24 hours or you will not have to pay.

## AVAILABLE ANYTIME

We have a fleet of over 40 fully equipped service trucks staffed by experienced technicians. We can work on site and keep your downtime to a minimum. We are on call 24 hours a day, 7 days a week to handle sales, repair/service, parts, and rentals.

We also offer:

- Start-up assistance
- Factory-monitored maintenance program
- Full factory service maintenance program
- Service reminder program
- Energy audits and energy saving equipment options
- 24-hour emergency parts and service guarantee
- User training classes held at our plant or customer site

## FACTORY TRAINED TECHNICIANS

Our technicians receive year-round training. While specializing in servicing our air compressors, our technicians are trained to work on all system components, from air compressors and dryers, to blowers and vacuum pumps.

## FULL SERVICE LOCATIONS

24 hours a day / 7 days a week

- New and used equipment sales
- Repair and service
- Parts
- Rentals

## RENTALS

We maintain a large selection of electric compressors, available 24 hours a day, ranging in size from fractional through 350 HP. Units are air-cooled with after-coolers and mounted starters.



**ROGERS**  
**MACHINERY**  
**COMPANY, INC.**  
Since 1949

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