

GD Integra® Rotary Screw Air Compressors

40–50 HP



The GD Integra Series of air compressors features the latest in technology, innovation and engineering at an economical price. Low dBA level, small footprint, high efficiency and easy serviceability are standard benefits with the GD Integra Series.

Integrated Compressor Airend

- State-of-the art, Integrated design with 25% fewer parts and connection points than conventional designs delivers maximum reliability.
- Modular airend design offers a readily accessible bolt-on configuration unlike encapsulated designs that require total replacement.
- Internal 3-way thermal mixing valve minimizes leak points.
- Three-stage air/oil separation involving mechanical redirection, cyclone centrifugal type air flow and a pleated filter with inside out final separation to offer less than 2 ppm carryover before the aftercooler.

Flexible, Quality Package Design

- Non-corrosive control line tubing maximizes reliability—minimizes downtime.
- Tactfully located controller on the end of each machine for easy multiple unit installation and sequencing.

Minimum Energy Use Rotor Design

- Manufactured in one of the most automated, capital intensive rotor cutting plants worldwide. Several thousands of these proven airends are in operation worldwide.
- Rotor profile with a short seal line saves you money in electrical costs by offering high efficiency through reduced opportunities for air leaks.
- Precise bearing size that prohibits misalignment. This handles up to 3 times more load capacity than conventional designs to offer you a savings in service costs and extends operation life.

Acoustic Enclosure

- Standard enclosure offers low 75 dBA noise level to ensure quiet operation at any facility.
- Easy lift-off panels offer fast and convenient access to airend and motor.

Complete Aftermarket Support

- Complete line of Gardner Denver consumables available to ensure the long life of each compressor!



Experience Proven Results™

Standard Equipment

- Integrated, Single-Stage Rotary Screw Air Compressor with Load/No Load Control
- 3 Phase, 60 Hertz, 1.15 Service Factor, EISA Energy Efficient, Open Drip Proof Drive Motor includes 5 year warranty-standard
- Small, Compact Footprint
- Standard 75 dBA Quiet Sound Enclosure
- Adjustable Motor Base
- Package Mounted Moisture Separator/Trap
- Radiator-Type Oil Cooler and Aftercooler
- OSHA Approved Drive Guard
- Spin-On Type Full Flow Oil Filter
- Easy Access Service Points Through Removable Door Panels
- Factory Fill AEON® 4000 Rotary Screw Lubricant
- Heavy-Duty Inlet Air Filter
- Thermal Mixing Valve for Oil Temperature Control
- Corrosion Resistant Control Line Tubing
- Air/Oil Reservoir Pressure Relief Valve
- Minimum Discharge Pressure/Check Valve
- Automatic Blowdown Timer
- NEMA 4 Control Enclosure
 - Mounted and Wired Full-Voltage Magnetic Motor Starter
 - Control Voltage Transformer
 - Emergency Stop Button
- Control Cable Kit
- CSA Labeled and Approved Electrical Controls and Wiring
- AirSmart microprocessor controller
 - Low voltage 24 VDC operation
 - Two pressure transducer inputs
 - Sequence capability for control of up to eight AirSmart controlled compressors
 - RS-232 Serial communications for local monitoring (4)
 - Ethernet communications for remote monitoring (4)

Optional Equipment

- AEON® 9000SP Rotary Screw Lubricant
- AEON® 9000TH High Temperature Lubricant
- AEON® 6000FG Food Grade Lubricant
- AEON® 6000FG-68 High Temperature Food Grade Lubricant
- TEFC Drive Motor
- ODP or TEFC Premium Efficiency Drive Motor
- Wye Delta Motor/Starter
- Communication/Sequencing Module

Performance 60 HZ, 40–50 HP

Motor HP	Style	Model	Working Pressure		Air Delivery (1)	
			psig	bar	acfm	m ³ /min
40	INT-40	EFD	100	6.9	176	4.98
			125	8.6	149	4.22
			150	10.3	128	3.62
			175	12.1	117	3.31
50	INT-50	EFD	100	6.9	218	6.17
			125	8.6	193	5.46
			150	10.3	171	4.84
			175	12.1	157	4.45

Dimensions/Weights

Motor HP	Approximate Dimensions (2)				Approximate Shipping Weight (3)		Sound Level (dBA) w/ Quiet Enclosure
		Length	Width	Height		Enclosed	
40	in	55	32	69	lb	1419	75
	mm	1397	813	1753	kg	644	
50	in	55	32	69	lb	1474	75
	mm	1397	813	1753	kg	669	

1. Capacity measured in accordance with CAGI/PNEUROP acceptance test code PN2CPTC2.
2. Dimensions shown are nominal for all enclosed models.
3. Weights shown are for air cooled models less shipping skid.
4. With optional communications/sequencing module

Gardner Denver®

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Please recycle after use.