

# Enclosed Rotary Screw Compressors



**Compressed Air Systems**  
Simplicity. It's What We Do .



# Enclosed Rotary Screw Compressors

The best built, best value, and lowest cost-of-ownership rotary screw compressor available.

5-100 HP | Operating pressures available from 100-190 psi

Compressed Air Systems enclosed compressors combine the lowest dBA levels in the industry with highest levels of reliability, efficiency and productivity available. A great fit for any mission-critical application, the 100% duty cycle assures the compressor can not be overworked. Quality components, simple controls, easy maintenance and once a year oil changes make this a great solution for high-volume and high productivity environments.

## Features

- Airend manufactured with German rotary screw components
- Air/oil cooler
- Automatic belt tensioning
- Easy to read and access gauges
- Easy to access oil cooler for cleaning
- Easy clean cooling system
- Extended oil drain with ball valve for easy service
- Factory filled with premium synthetic fluid

- Heavy duty air filter
- Omega profile rotors
- Simplified operating controls, no complicated micro-processor
- Single control solenoid operation
- Spin on oil filter
- Solid steel sound enclosure
- Spin on separator
- TEFC drive motor (5-30 HP 3 phase only)
- UL control components
- Vertical draft ventilation

## Additional Options

- Microprocessor
- Variable speed drive
- TEFC motor
- Soft start



Model	HP	acfm @ 125 psi	acfm @ 150 psi	dBA @ 3 Meter	Voltage	Phase	Length	Width	Height
R51ENC	5	19	16	70	208/230	1	34	28	41
R53ENC	5	19	16	70	208/230/480/3	3	34	28	41
R71ENC	7.5	29	26	70	208/230	1	34	28	41
R73ENC	7.5	29	26	70	208/230/480/3	3	34	28	41
R101ENC	10	37	35	71	208/230	1	34	28	41
R103ENC	10	40	38	71	208/230/480/3	3	34	28	41
R153ENC	15	57	54	73	208/230/460/3	3	32	28	42
R203ENC	20	88	78	73	208/230/480/3	3	44	37	47
R253ENC	25	108	102	77	208/230/480/3	3	42	43	59
R303ENC	30	130	125	77	208/230/480/3	3	42	43	59
R403ENC	40	160	155	77	480/3	3	42	43	59
R503ENC	50	215	185	78	480/3	3	57	44	60
R603ENC	60	245	225	79	480/3	3	57	44	60
R753ENC	75	295	335	80	480/3	3	65	52	72
R1003ENC	100	435	400	81	480/3	3	72	52	72

# CRD Rotary Screw Compressors

**FREIGHT  
PREPAID**

The complete rotary screw package.

**5-60 HP | Operating pressures available from 100-190 psi**

The 5-20 HP models are mounted on a horizontal tank with the dryer to save space. The 25-60 HP models include a shipped loose refrigerated air dryer and a vertical stand alone receiver. These packages make installation fast and operation simple and easy, no programming is necessary to install the units, just a quick rotational check and its ready to go.

The same great features as the standard series compressors these packages also include:

- Air receiver
- ASME Powder coated air receiver
- Automatic tank drain
- Refrigerated air dryer
- SMART contact controls
- Vibration isolation pads
- Free freight in the 48 states & southern Canada



Package with VFD drive system installed

Model	HP	acfm @ 125 psi	acfm @ 150 psi	dBA @ 3 Meter	Voltage	Length	Width	Height	Tank Size (gallons)	Mounted on Tank	Dryer Size	Dryer Voltage
RS51ENC-CRD	5	19	16	70	208/230	64	28	63	80 Horizontal	Yes	25 cfm	115
RS53ENC-CRD	5	19	16	70	208/230/480/3	64	28	63	80 Horizontal	Yes	25 cfm	115
RS71ENC-CRD	7.5	29	26	70	208/230	64	28	63	80 Horizontal	Yes	25 cfm	115
RS73ENC-CRD	7.5	29	26	70	208/230/480/3	64	28	63	80 Horizontal	Yes	25 cfm	115
RS101ENC-CRD	10	37	35	71	208/230	64	28	63	80 Horizontal	Yes	35 cfm	115
RS103ENC-CRD	10	40	38	71	208/230/480/3	64	28	63	80 Horizontal	Yes	35 cfm	115
RS153ENC-CRD31	15	57	54	71	208/230/460/3	68	28	42	80 Horizontal	Yes	35 cfm	115
RS153ENC-CRD	15	68	55	73	208/230/480/3	64	37	68	80 Horizontal	Yes	75 cfm	115
RS203ENC-CRD	20	88	78	73	208/230/480/3	64	37	68	120 Horizontal	Yes	75 cfm	115
RS253ENC-CRD	25	108	102	77	208/230/480/3	429	43	59	120 Horizontal	Yes	100 cfm	115
RS303ENC-CRD	30	130	125	77	208/230/480/3	42	43	59	120 Horizontal	Yes	125 cfm	115
RS403ENC-CRD	40	160	155	77	480/3	42	43	59	120 Horizontal	Yes	150 cfm	115
RS503ENC-CRD	50	215	185	78	480/3	57	44	60	120 Vertical	No	200 cfm	480
RS603ENC-CRD	60	245	225	78	480/3	57	44	60	120 Vertical	No	250 cfm	480

# Enclosed Rotary Screw Compressor Features

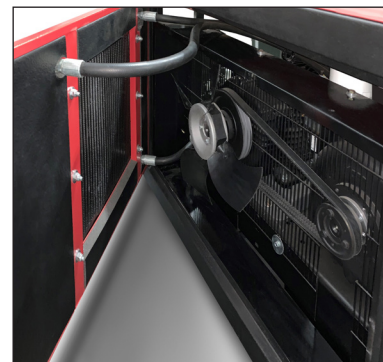
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The electrical control panel is mounted external to the compressor enclosure. This allows the components to stay cooler and cleaner. By mounting the control enclosure external to the unit you can run diagnostics and maintain the electrical side of the package without having to get into the compressor cabinet



The cooler for the compressor is an aluminum welded bar and plate style, that is mounted external to the package. This allows for easier access for inspection, cleaning and maintenance.

The compressor cooler is mounted to a hinged door with latches. This allows access to both sides of the compressor cooler without having to take the compressor package apart. The package is designed so that you can also change the drive belts, pulleys or fan via the same hinged door that the cooler is mounted to. No more scuffing your knuckles trying to clean a cooler or change a belt. With the CAS designed hinged and latched doors, service time is cut in half. This allows for more productivity for service techs and less down time for the end user.



**No Start Up Kit Required ■ The lowest cost of ownership of any rotary screw compressor**

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**Compressed Air Systems, LLC**

2626 Skyway Drive

Grand Prairie, TX, 75052

**1-800-531-9656**

Fax 972-352-6364