



75-100 HP | 330-467 SCFM  
FIXED & VARIABLE SPEED ROTARY SCREW COMPRESSORS

## D & DRS Series

### Compact & Built for Continuous-Use

The Champion D/DRS Series rotary screw compressors are built for high-performance and efficiency, making them ideal for continuous-use applications that require 100% duty cycle operation. The heavy-duty, compact design provides high-capacity air delivery and stable system pressure with minimal installation space. The innovative component integration means your operation gets a quieter air system while still providing peak efficiency and performance. Choose from the D Series fixed speed compressor or DRS Series variable speed compressor and experience the benefits of a tailored air solution that can adapt to your specific needs.

### Built for Serviceability

The D/DRS Series units set a new standard in serviceability. By utilizing integrated airend design techniques, Champion delivers unprecedented access to service and routine maintenance items. At the same time, the compact design eliminates unneeded connections and minimizes piping; reducing the opportunity for leaks. Couple these features with an intuitive touch screen controller with optional data logging and sequencing capabilities and you have a world class compressor package.



# D75-D100, DRS75-DRS100 ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		60 Hz				NOISE LEVEL <sup>2</sup>	WEIGHT <sup>3</sup>		DIMENSIONS L x W x H
	HP	KW	NOMINAL PRESSURE		FAD <sup>1</sup>			LBS	KG	
			PSIG	BAR	ACFM	M <sup>3</sup> /MIN				
D75	75	55	110	7.6	330	9.33	76	4260	1932	
			125	8.6	329	9.31				
			175	12.1	267	7.56				
D100	100	75	110	7.6	467	13.22	76	4320	1960	
			125	8.6	424	12.01				
			175	12.1	357	10.11				
DRS75	75	55	100	6.9	348	9.84	76	4207	1908	
			125	8.6	328	9.28				
			145	10.0	304	8.59				
DRS100	100	75	100	6.9	458	12.97	76	4360	1978	
			145	10.0	405	11.47				
			175	12.1	374	10.60				

1) Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions:

Air Intake Pressure 1 bar A, Air Intake Temperature 20° C, Humidity 0% (Dry).

2) Noise levels are for air-cooled and water-cooled models, and measured in free field conditions in accordance with ISO 2151, tolerance +/- 3dB.

3) Weights are for air-cooled models.

## D/DRS Series Features (75-100 HP)

- Direct-gear drive, oil flooded, single stage rotary screw air compressor
- RotorLub 4000 lubricant
- Air-cooled
- Air supply piping includes hard pipe design with Viton Victaulic couplings
- CRN and ASME rated aftercooler
- Electrical components UL listed for the US and Canada, including cUL-US listed open control panel
- Governor™ microprocessor controller with touchscreen
- Integrated spin-on oil filter
- Integrated thermostatic thermal mixing valve
- Type 1 electrical enclosure
- Load/no load control and timed shutdown
- Moisture separator (shipped loose)
- Mounted and wired wye-delta starter
- Multi-compressor sequencing
- Quiet enclosure
- Second pressure band control for lead/lag operation
- Built-in data logging
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 460/575V (3 phase only)
- EMC filter and DC bus choke on variable speed only
- Optional line reactor (shipped loose) on variable speed only



Panels removed to show internal components.

**CHAMPION®**

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Please recycle after use.