

10-30 HP VARIABLE SPEED ROTARY SCREW COMPRESSORS

## DRS Series

### Innovative, Integrated Design

DRS Series compressors feature innovative, integrated air end designs that reduce connection points, enhance reliability, and promote superior serviceability. The simplified, reduced-component approach extends beyond the air end into the oil and air cooler. This combination cooler results in a reduction in energy consumption, low discharge air temperatures, and an increase in overall system reliability. Couple these service and reliability benefits with the unit's small footprint and it's easy to see why the integrated design approach sets the DRS Series apart from the competition. Best of all, its affordable.

### Quiet & Built to Perform

Designed with energy efficient inverter drives and motor combinations, DRS Series variable speed compressors from Champion are built to perform and ideal for environments where the air demand fluctuates. The variable speed drive's pressure tracking controls ensure that energy use is optimized by producing only as much air as is needed, avoiding artificial demand. The quiet enclosed design enables you to install the compressor near the point-of-use without any concern of elevated noise levels. The DRS Series yields noise levels as low as 67 dBA allowing you to work comfortably 24/7.

### Air System Solution

A DRS Series Air System is a complete solution for your application featuring a:

- Rotary Screw Compressor
- Variable Speed Drive
- Dry Tank Air Receiver
- Refrigerated Air Dryer & 1 Micron Pre-filter
- Two separate electrical connections (compressor & dryer)
- Pressure gauge
- Tank drain
- Controller

It's the compact, plug-and-play compressed air solution you've been looking for. The DRS Series Air System is your true compressed air system solution.



## DRS 10-DRS 30 ROTARY SCREW COMPRESSOR

| MODEL  | DRIVE MOTOR<br>HP | SCFM    |         | DRIVE CONFIG. | MOTOR<br>RPM | MOUNT | TANK SIZE<br>GAL | DIMENSIONS<br>L x W x H<br>INCHES | WEIGHT<br>LBS. | SOUND<br>DBA | CONTROLLER | VOLTAGE<br>60 HZ |              |
|--------|-------------------|---------|---------|---------------|--------------|-------|------------------|-----------------------------------|----------------|--------------|------------|------------------|--------------|
|        |                   | 120 PSI | 145 PSI |               |              |       |                  |                                   |                |              |            | SINGLE PHASE     | THREE PHASE  |
| DRS 10 | 10                | N/A     | 37      | DIRECT        | 3500         | BASE  | N/A              | 42 x 26 x 30                      | 542            | 68           | CSC300     | 230              | 200/230 /460 |
|        |                   |         |         |               |              | AS    | 80               | 66 x 26 x 51                      | 840            |              |            |                  |              |
| DRS 15 | 15                | N/A     | 57      | BELT          | 3450         | BASE  | N/A              | 41 x 27 x 37                      | 591            | 69           | CSC300     | N/A              | 200/230 /460 |
|        |                   |         |         |               |              | AS    | 120              | 77 x 27 x 63                      | 1175           |              |            |                  |              |
| DRS 20 | 20                | 87      | 83      | BELT          | 3510         | BASE  | N/A              | 52 x 28 x 47                      | 1080           | 67           | CSC300     | N/A              | 200/230 /460 |
|        |                   |         |         |               |              | AS    | 120              | 80 x 28 x 74                      | 1550           |              |            |                  |              |
| DRS 25 | 25                | 100     | 96      | BELT          | 3510         | BASE  | N/A              | 52 x 28 x 47                      | 1080           | 68           | CSC300     | N/A              | 200/230 /460 |
|        |                   |         |         |               |              | AS    | 120              | 80 x 28 x 74                      | 1550           |              |            |                  |              |
| DRS 30 | 30                | 116     | 112     | BELT          | 3510         | BASE  | N/A              | 52 x 28 x 47                      | 1120           | 69           | CSC300     | N/A              | 200/230 /460 |
|        |                   |         |         |               |              | AS    | 120              | 80 x 28 x 74                      | 1590           |              |            |                  |              |

NOTES: Air System includes Air Receiver, Pre-Filter & Refrigerated Air Dryer  
AS = Air System

### 1 Refrigerated Air Dryer

Prevents moisture entering critical work areas downstream improving overall air quality and system efficiency.

### 2 Dry Tank Air Receiver

A unique configuration delivering clean, dry compressed air to the receiver by treating it first with a 1 micron pre-filter and air dryer. This ensures the tank is virtually dry, achieving an unprecedented level in the abatement of corrosion and maximizing the capacity of the tank for its intended use – to store and provide continuously cool, clean and dry air.

### 3 Smart, Simplified Controls

Easy to use, intelligent control solutions that manage, monitor and maintain optimal operational parameters automatically ensuring reliable operation and protecting your investment

### 4 Rotary Screw Compressor

D Series compressors from Champion are ideal for demanding environments where dry, clean, continuous-use compressed air is required. Its integrated design is centered on quiet delivery, durability and efficiency.

### 5 Variable Speed Drive

Provides energy savings of up to 25% by eliminating artificial air demand. The VFD aligns energy use with air demand by adjusting motor speed resulting in an air compressor that is extremely economical and energy efficient.



# CHAMPION®

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