



Centrifugal Pumps

DR Series Close-Coupled Centrifugal Pump

The robust DR1-DR2 series close-coupled centrifugal pump is available in a variety of pump construction materials to enable handling a wide array of applications. Square flange, 56J threaded and 56C keyed shaft motor driven units are available, as well as pump end kits for those customers who choose to provide their own 56J or 56C motors to pair with our close-coupled centrifugal pump.

Overview

Features & Benefits

- Back pull-out design provides access to internal parts without disturbing the plumbing
- Robust cast iron volute standard; stainless steel alternate available for DR1 Series
- Volute discharge can be rotated in 90° increments with top vertical standard from the factory
- Multiple 1/4" NPT drain/pressure ports enable winterizing no matter the volute orientation
- Enclosed impeller design for increased efficiencies; thermoplastic and stainless steel options
- Multiple mechanical seal construction materials to accommodate handling various fluids
- Every pump unit factory wet tested to insure customer satisfaction
- Suitable for horizontal or vertical (motor end up) installation
- NEMA standard motor options include:
 - Pump end kits available for 56C & 56J motor construction
 - Rotation: right hand; clockwise when viewed from motor end
 - Maximum fluid handling temperature 180 °F (82 °C)



Applications:

- Water circulation
- Booster service
- Liquid transfer
- Spraying systems
- Jockey pump service
- General purpose pumping

Order Information

DR1S 1-1/4 x 1 3600 RPM

Filter this table:

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|-----------|--------|--------------|-------------------|-----------------|
| 97110005 | DR1S05-CP | 1/2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97110007 | DR1S07-CP | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | ODP |

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|-------------|--------|--------------|-------------------|-----------------|
| 97110010 | DR1S1-CP | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97110105 | DR1S05-SP | 1/2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97110107 | DR1S07-SP | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97110110 | DR1S1-SP | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97113005 | DR1S05-CP-T | 1/2 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97113007 | DR1S07-CP-T | 3/4 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97113010 | DR1S1-CP-T | 1 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97113105 | DR1S05-SP-T | 1/2 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97113107 | DR1S07-SP-T | 3/4 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97113110 | DR1S1-SP-T | 1 hp | Three-Phase | 230 VAC / 460 VAC | ODP |

Showing 1 to 12 of 12 entries

DR1J 1-1/4 x 1 3600 RPM

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|-------------|--------|--------------|-------------------|-----------------|
| 97120205 | DR1J05-CS | 1/2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97120207 | DR1J07-CS | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97120210 | DR1J1-CS | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97123205 | DR1J05-CS-T | 1/2 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97123207 | DR1J07-CS-T | 3/4 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97123210 | DR1J1-CS-T | 1 hp | Three-Phase | 230 VAC / 460 VAC | ODP |

Showing 1 to 6 of 6 entries

DR1C 1-1/4 x 1 3600 RPM

Filter this table:

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|--------------|--------|--------------|-------------------|-----------------|
| 97150005 | DR1C05-CP | 1/2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97150007 | DR1C07-CP | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97150010 | DR1C1-CP | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97150305 | DR1C05-SS | 1/2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97150307 | DR1C07-SS | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97150310 | DR1C1-SS | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97151305 | DR1C05-SS-SE | 3/4 hp | Single-Phase | 115 VAC / 230 VAC | TEFC |
| 97151307 | DR1C07-SS-SE | 1 hp | Single-Phase | 115 VAC / 230 VAC | TEFC |
| 97151310 | DR1C1-SS-SE | 1.5 hp | Single-Phase | 115 VAC / 230 VAC | TEFC |
| 97154305 | DR1C05-SS-TE | 3/4 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |
| 97154307 | DR1C07-SS-TE | 1 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |
| 97154310 | DR1C1-SS-TE | 1.5 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |

Showing 1 to 12 of 12 entries

* T.E.F.C. 1/2 - 2 hp versions use up-sized motors due to low service factor ratings. Example: DR1C05-SS-TE utilizes a 3/4 hp motor.

DR2S 1-1/2 x 1-1/4 3600 RPM

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|-------------|--------|--------------|-------------------|-----------------|
| 97130210 | DR2S1-CS | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97130215 | DR2S15-CS | 1.5 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97130220 | DR2S2-CS | 2 hp | Single-Phase | 230 VAC | ODP |
| 97133210 | DR2S1-CS-T | 1 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97133215 | DR2S15-CS-T | 1.5 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97133220 | DR2S2-CS-T | 2 hp | Three-Phase | 230 VAC / 460 VAC | ODP |

Showing 1 to 6 of 6 entries

DR2J 1-1/2 x 1-1/4 3600 RPM

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|-------------|--------|--------------|-------------------|-----------------|
| 97140210 | DR2J1-CS | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97140215 | DR2J15-CS | 1.5 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97140220 | DR2J2-CS | 2 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97143210 | DR2J1-CS-T | 1 hp | Three-Phase | 230 VAC / 460 VAC | ODP |
| 97143215 | DR2J15-CS-T | 1.5 hp | Three-Phase | 230 VAC / 460 VAC | ODP |

Showing 1 to 5 of 5 entries

DR2C 1-1/2 x 1-1/4 3600 RPM

| Item | Model | HP | Phases | Volts | Motor Enclosure |
|--------------------------|--------------|--------|--------------|-------------------|-----------------|
| 97160210 | DR2C1-CS | 1 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97160215 | DR2C15-CS | 1.5 hp | Single-Phase | 115 VAC / 230 VAC | ODP |
| 97160220 | DR2C2-CS | 2 hp | Single-Phase | 230 VAC | ODP |
| 97161210 | DR2C1-CS-SE | 1.5 hp | Single-Phase | 115 VAC / 230 VAC | TEFC |
| 97161215 | DR2C15-CS-SE | 2 hp | Single-Phase | 230 VAC | TEFC |
| 97161220 | DR2C2-CS-SE | 3 hp | Single-Phase | 230 VAC | TEFC |
| 97164210 | DR2C1-CS-TE | 1.5 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |
| 97164215 | DR2C15-CS-TE | 2 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |
| 97164220 | DR2C2-CS-TE | 3 hp | Three-Phase | 230 VAC / 460 VAC | TEFC |

Showing 1 to 9 of 9 entries

* T.E.F.C. 1/2 - 2 hp versions use up-sized motors due to low service factor ratings. Example: DR2C1-CS-TE utilizes a 1-1/2 hp motor.

DR1J-CS Pump End Kits

For use with 56J Round Flange, Threaded Shaft Motors. Cast Iron Volute, Stainless Steel Impeller. Service Factor Rating listed within each item page.

| Item | Model | HP |
|--------------------------|-------------|--------|
| 9712K205 | DR1J05-CS-K | 1/2 hp |
| 9712K207 | DR1J07-CS-K | 3/4 hp |
| 9712K210 | DR1J1-CS-K | 1 hp |

Showing 1 to 3 of 3 entries

**If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.*

DR2J-CS Pump End Kits

For use with 56J Round Flange, Threaded Shaft Motors. Cast Iron Volute, Stainless Steel Impeller. Service Factor Rating listed within each item page.

| Item | Model | HP |
|--------------------------|-------------|--------|
| 9714K210 | DR2J1-CS-K | 1 hp |
| 9714K215 | DR2J15-CS-K | 1.5 hp |
| 9714K220 | DR2J2-CS-K | 2 hp |

Showing 1 to 3 of 3 entries

**If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.*

DR1C-SS Pump End Kits

For use with 56C Round Flange, Keyed Shaft Motors. Stainless Steel Volute & Impeller. Service Factor Rating listed within each item page.

| Item | Model | HP |
|--------------------------|-------------|--------|
| 9715K305 | DR1C05-SS-K | 1/2 hp |
| 9715K307 | DR1C07-SS-K | 3/4 hp |
| 9715K310 | DR1C1-SS-K | 1 hp |

Showing 1 to 3 of 3 entries

**If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.*

DR1C-CP Pump End Kits

For use with 56C Round Flange, Keyed Shaft Motors. Cast Iron Volute, Thermoplastic Impeller. Service Factor Rating listed within each item page.

| Item | Model | HP |
|--------------------------|-------------|--------|
| 9715K005 | DR1C05-CP-K | 1/2 hp |
| 9715K007 | DR1C07-CP-K | 3/4 hp |
| 9715K010 | DR1C1-CP-K | 1 hp |

Showing 1 to 3 of 3 entries

**If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.*

DR2C-CS Pump End Kits

For use with 56C Round Flange, Keyed Shaft Motors. Cast Iron Volute, Stainless Steel Impeller. Service Factor Rating listed within each item page.

| Item | Model | HP |
|--------------------------|-------------|--------|
| 9716K210 | DR2C1-CS-K | 1 hp |
| 9716K215 | DR2C15-CS-K | 1.5 hp |
| 9716K220 | DR2C2-CS-K | 2 hp |

Showing 1 to 3 of 3 entries

**If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.*

Support Materials

Featured Downloads



Catalogs

[DR Series Catalog](#)

Type: PDF
Size: 2.55 MB



Manuals

[DR Series Manual](#)

Type: PDF
Size: 3.18 MB

Brochures

| | Title | Type | Size |
|---|--|------|---------|
|  | Mining Brochure | PDF | 1.64 MB |
|  | Water Systems Products and Applications Brochure | PDF | 5.61 MB |
|  | Beyond the Pump Tools Services Brochure | PDF | 1.29 MB |

Manuals

| | Title | Type | Size |
|---|--|------|---------|
|  | FPS Engineering Manual | PDF | 1.12 MB |

Assets

