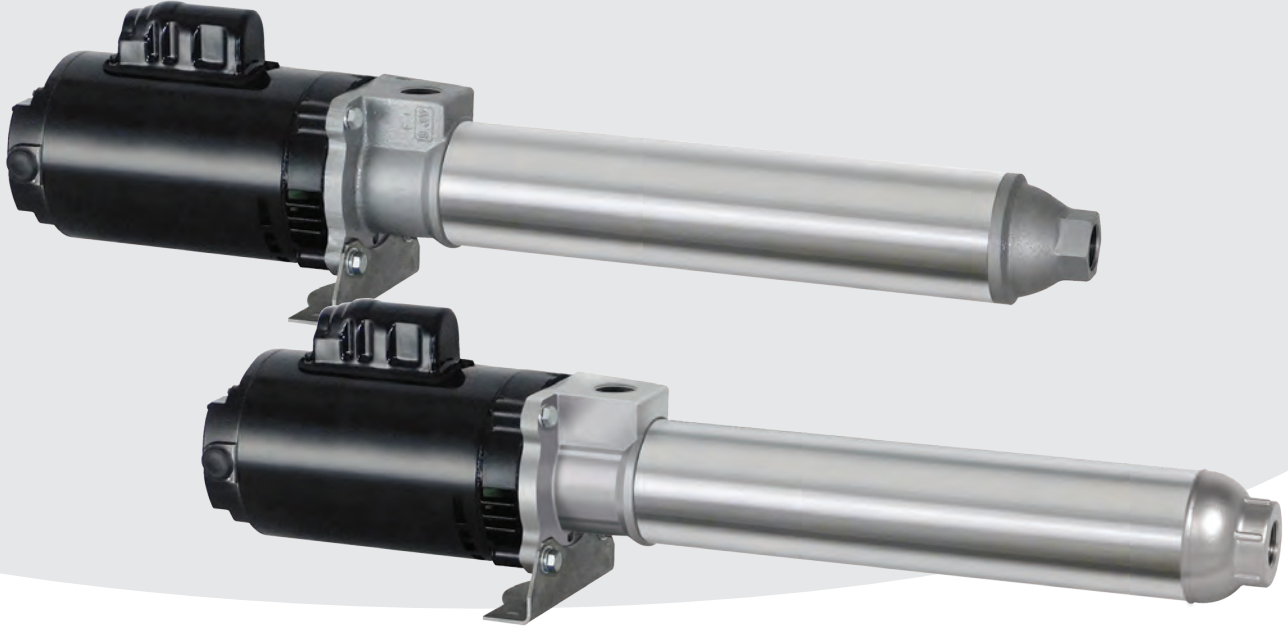


EZ SERIES BOOSTER PUMPS

Cast Iron and Stainless Steel Booster Pumps



EZ Series

EZ Series pumps are carefully hand assembled, then individually checked & tested, to provide you with reliable solutions for industrial, commercial, and agricultural applications.

The quality and performance you expect, along with industry best lead times and personalized service, only from Webtrol!

Features and Benefits

- 316 stainless steel and cast iron fitted models
- 316 stainless steel hex shaft, coupling, and pump housing
- Glass filled Delrin®, Polycarbonate or Noryl® impellers
- Injection molded, Polycarbonate, or Noryl diffusers with stainless steel wear rings

Performance

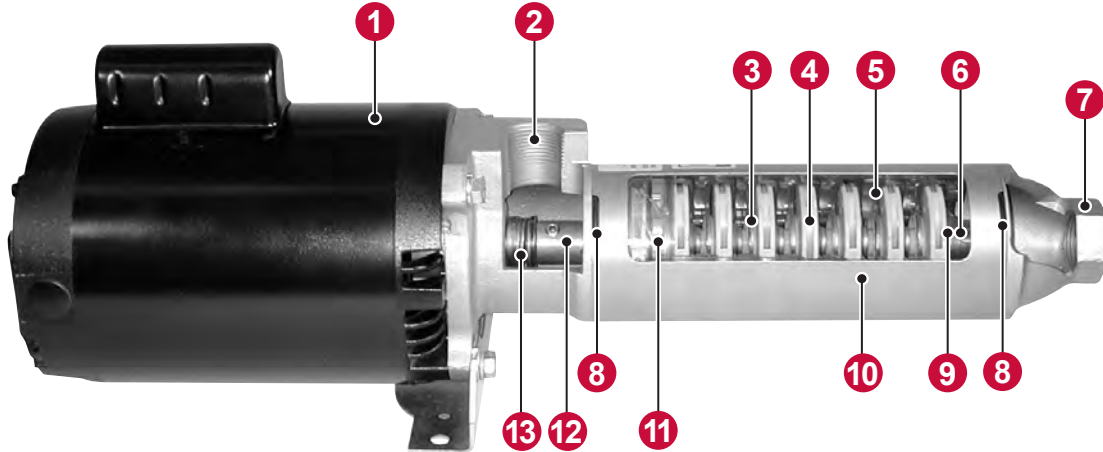
HP Range: .5 to 5 HP, 60Hz
Capacities to 40 GPM
Pressures to 500 PSI
Temperatures to 180 °F

Typical Services

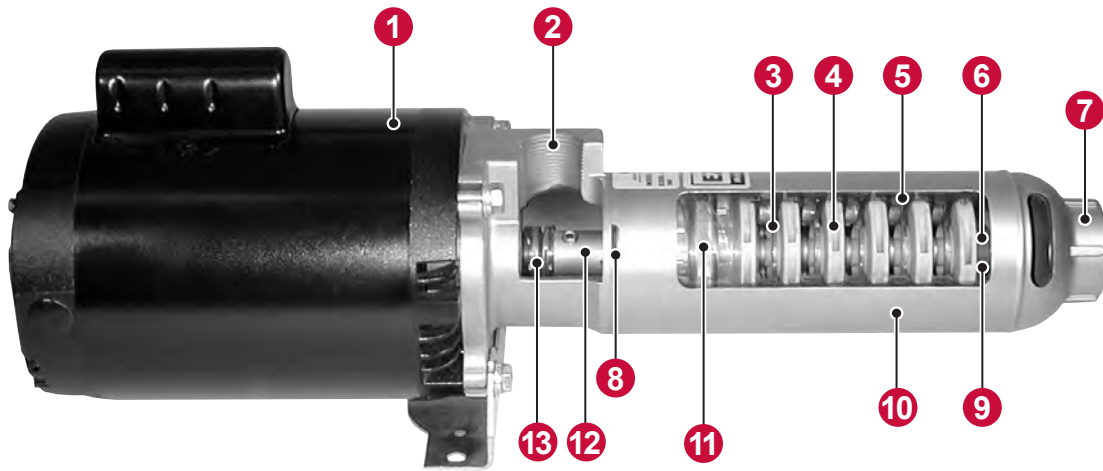
- Reverse Osmosis
- Deionization
- Car Wash
- Washdown
- Water Boosting
- Jockey Pump

BOOSTER PUMPS

Construction & Design Features



Cast Iron



Stainless Steel

| Construction Materials | | |
|------------------------|----------------|----------------|
| Part | Cast Iron | 316 SS |
| Inlet/Motor Bracket | Cast Iron | 316 SS |
| Discharge Housing | Cast Iron | 316 SS |
| Pump Housing | 304 SS | 316 SS |
| Impellers | Thermoplastic | Thermoplastic |
| Diffusers | Thermoplastic | Thermoplastic |
| Wear Rings | 316 SS | 316 SS |
| Shaft & Coupling | 316 SS | 316 SS |
| Mechanical Seal | Carbon/Ceramic | Carbon/Ceramic |
| O-Rings | Buna-N | Viton™ |

| Inlet & Discharge Size | | |
|------------------------|--------------|-------------|
| Part | Series (GPM) | Size (FNPT) |
| Inlet/Discharge | 5, 10, 15 | 1" |
| Inlet/Discharge | 20, 35 | 1 1/2" |

BOOSTER PUMPS

Construction & Design Features

1 Motor

The motor is a “C” face, 3450 RPM, 50 or 60 cycle, single or three phase, open drip proof (TEFC available) with long life thrust bearings, sized to support the thrust loads generated by the pump. Motors through 3 HP are NEMA Standard 56J frame with a threaded shaft and greased for life ball bearings. 5 HP motors are foot mounted 184CZY frame with a keyed shaft and greasable high thrust angular contact bearings.

2 Inlet/Motor Bracket

The inlet / motor bracket is cast iron or investment cast stainless steel depending on the type of construction you choose. All inlet connections are female NPT.

3 Diffuser Wear Rings

Stainless steel wear rings are molded into each diffuser at all critical wear points, maintaining tight clearances for high efficiencies.

4 Impellers

High strength glass filled Delrin® or polycarbonate thermoplastic impellers provide pulse free pressure boost. All impellers are injection molded and machined to insure dimensional accuracy and balance. Noryl impellers are available upon request.

5 Diffusers

High strength polycarbonate diffusers are injection molded, concentrically aligned, providing perfectly aligned, clean, smooth water passages for higher efficiencies. Noryl® diffusers are available upon request.

6 Shaft

Stainless steel hex shaft is cold drawn to exacting tolerances, to eliminate shaft run out for vibration free operation.

7 Discharge

The discharge is cast iron or investment cast stainless steel depending on the type of construction you choose. All discharge connections are female NPT.

8 O-Rings

Positive sealing Buna-N o-rings are used to seal off both ends of the pump housing on cast iron models. A Viton™ o-ring is used to seal the inlet side of the pump housing on stainless steel models.

9 Shaft Sleeve Running Bearing

316 Stainless steel running bearing is water lubricated and cooled. The shaft sleeve runs inside of either a Rulon® (stainless steel models) or brass (cast iron models), sleeve bearing, that has been molded into the top diffuser for greater efficiency. Each bearing is machined to precision tolerances and concentricity. Intermediate bearings are used on pumps that may require additional support.

10 Pump Housing

Thick wall stainless steel tubing is used on all models. Cast iron models are threaded on both ends. Stainless steel models are threaded on the inlet side with a discharge that has been machine welded to the tube on the other end.

11 Rotating Assembly

The entire rotating assembly, consisting of impellers, diffusers, top and bottom plates, bearings, shaft and coupling, is easily field replaceable.

12 Coupling

Stainless steel coupling has interference fit onto the pump shaft and pinned to lock in place. Depending on the motor frame size, the coupling either screws onto the motor shaft or slips onto the motor shaft and is keyed in place. Set screws lock the coupling to the motor shaft.

13 Mechanical Seal

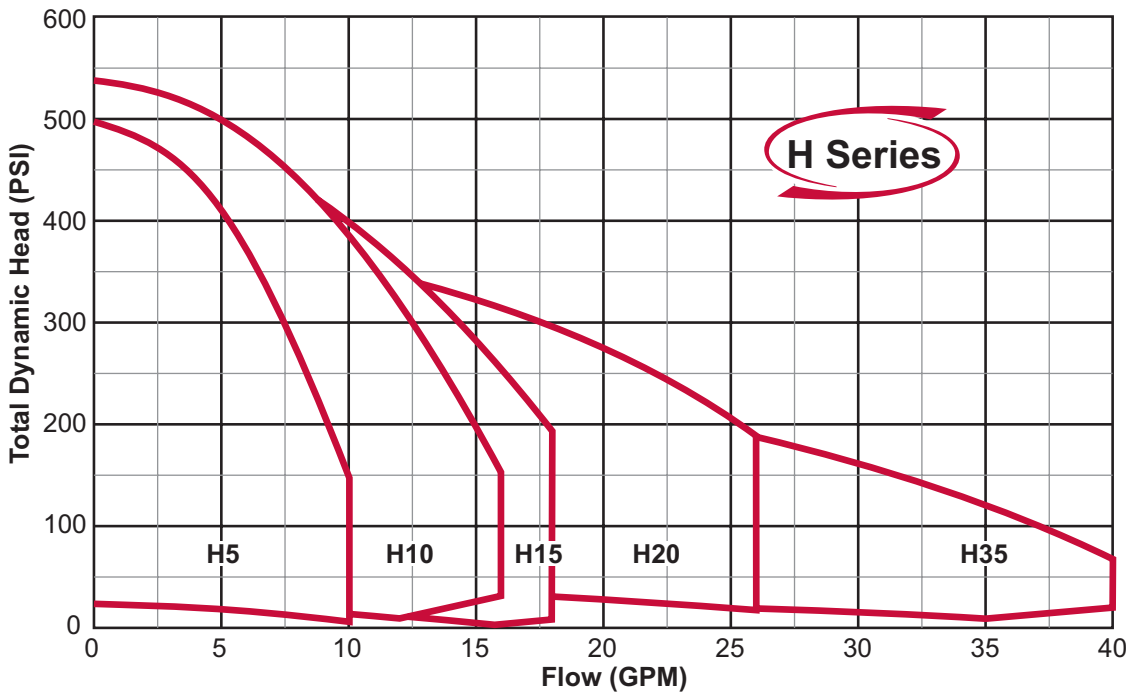
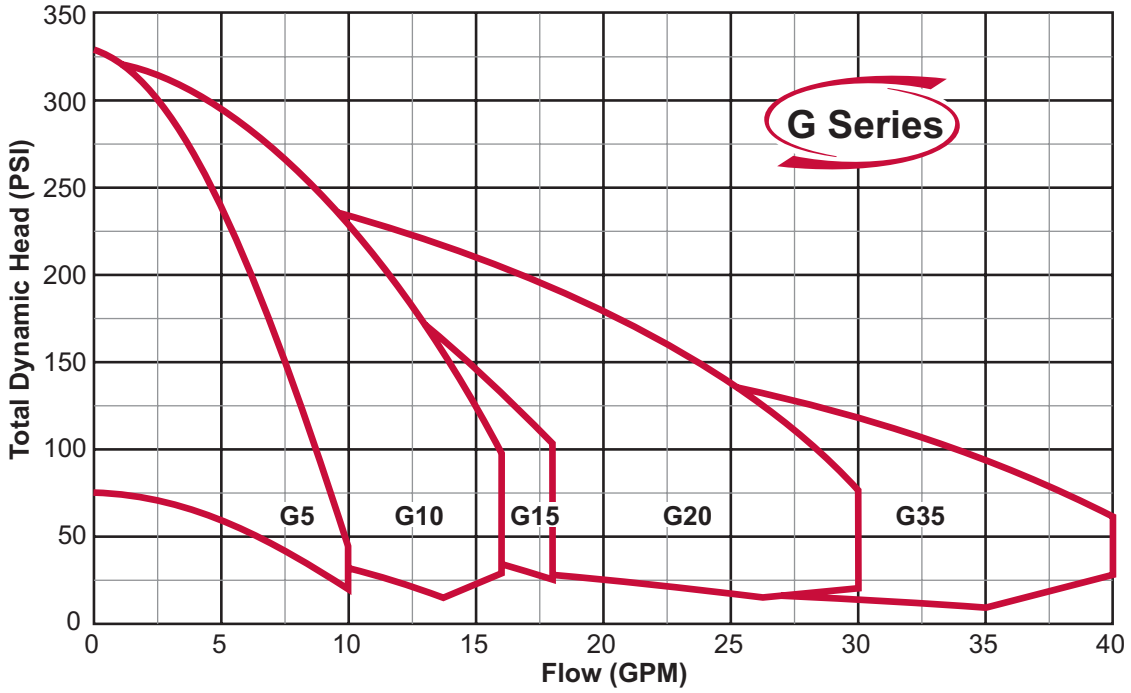
The spring loaded, positive sealing, mechanical seal has a ceramic stationary face and a carbon rotating face. Metal components on the rotating half are stainless steel and the elastomers are Buna-N (Nitrile) on cast iron models and Viton on stainless steel models. The standard seal will handle inlet pressures up to 100 PSI, while an optional seal is available for pressures up to 250 PSI.



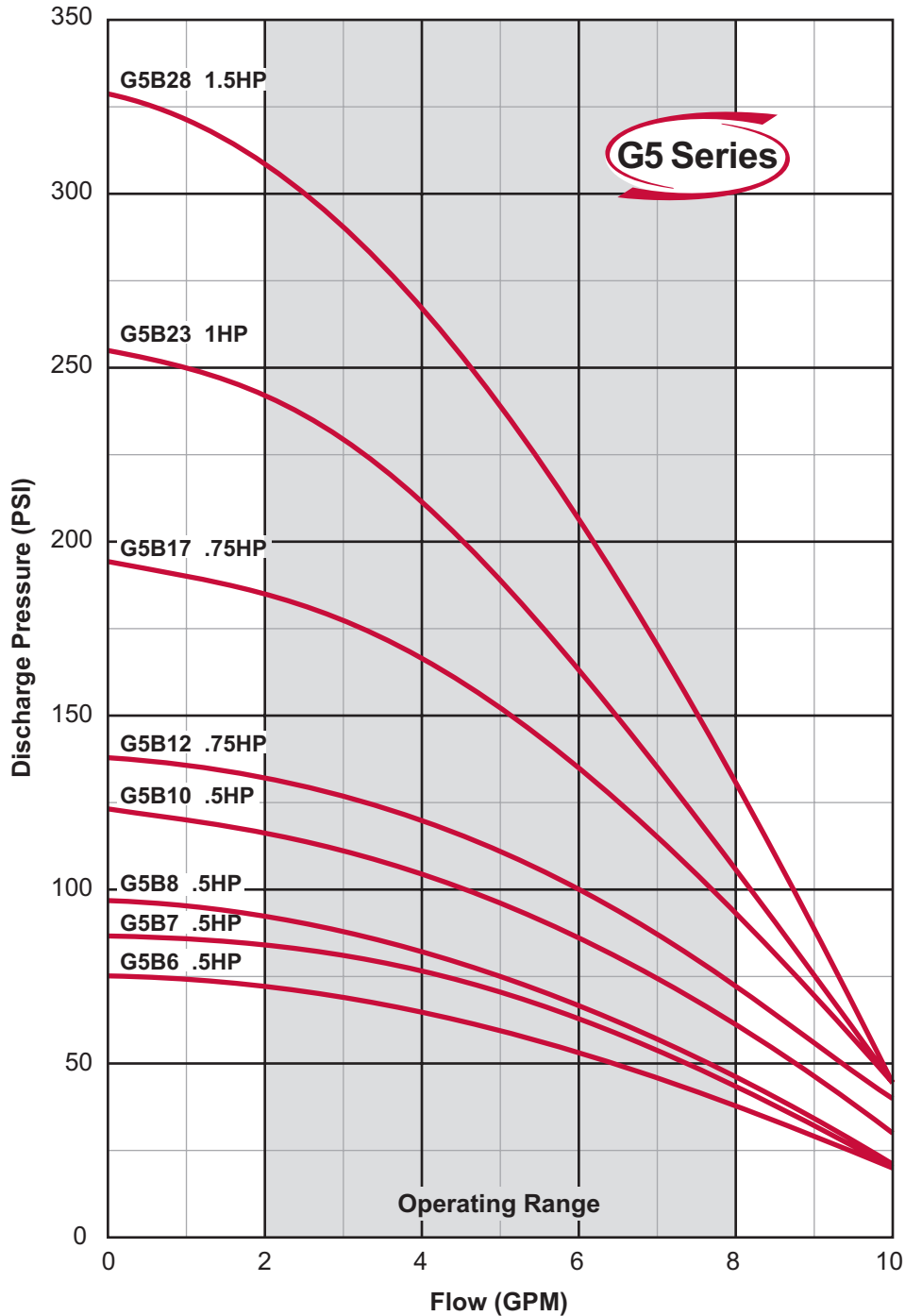
There when you need us most

EZ Series

SERIES FAMILY CURVES

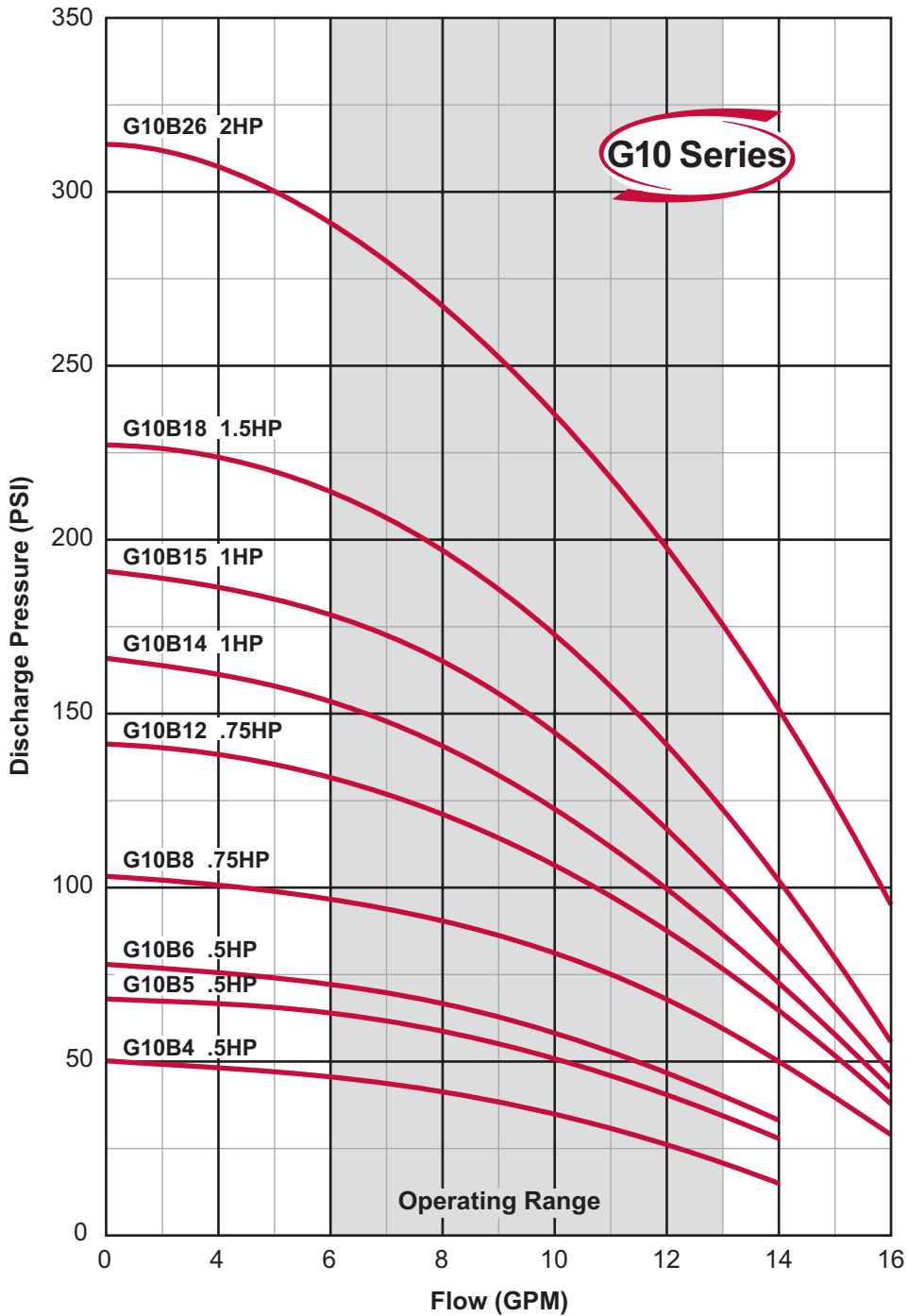


G5 SERIES GROUP CURVES



Note:

Curves are based on 60 Hz 3450 rpm motors. 50 Hz 2875 rpm curves are available. These curves are for general guidance only, individual pump curves are available upon request. A certified curve may be requested for an additional cost. Webtrol will build pumps to fit your specific needs, contact factory for pricing.



Note:

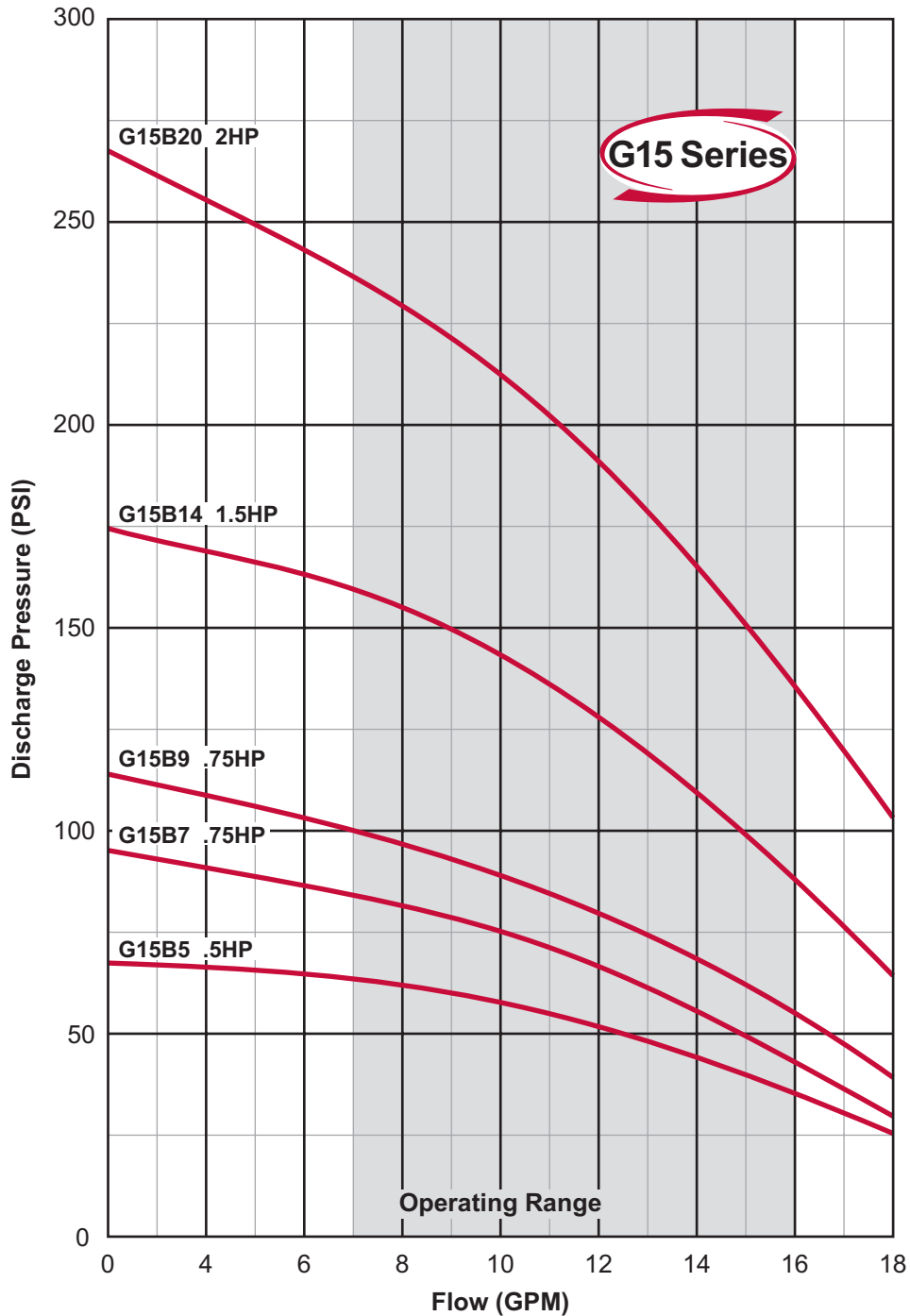
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There when you need us most

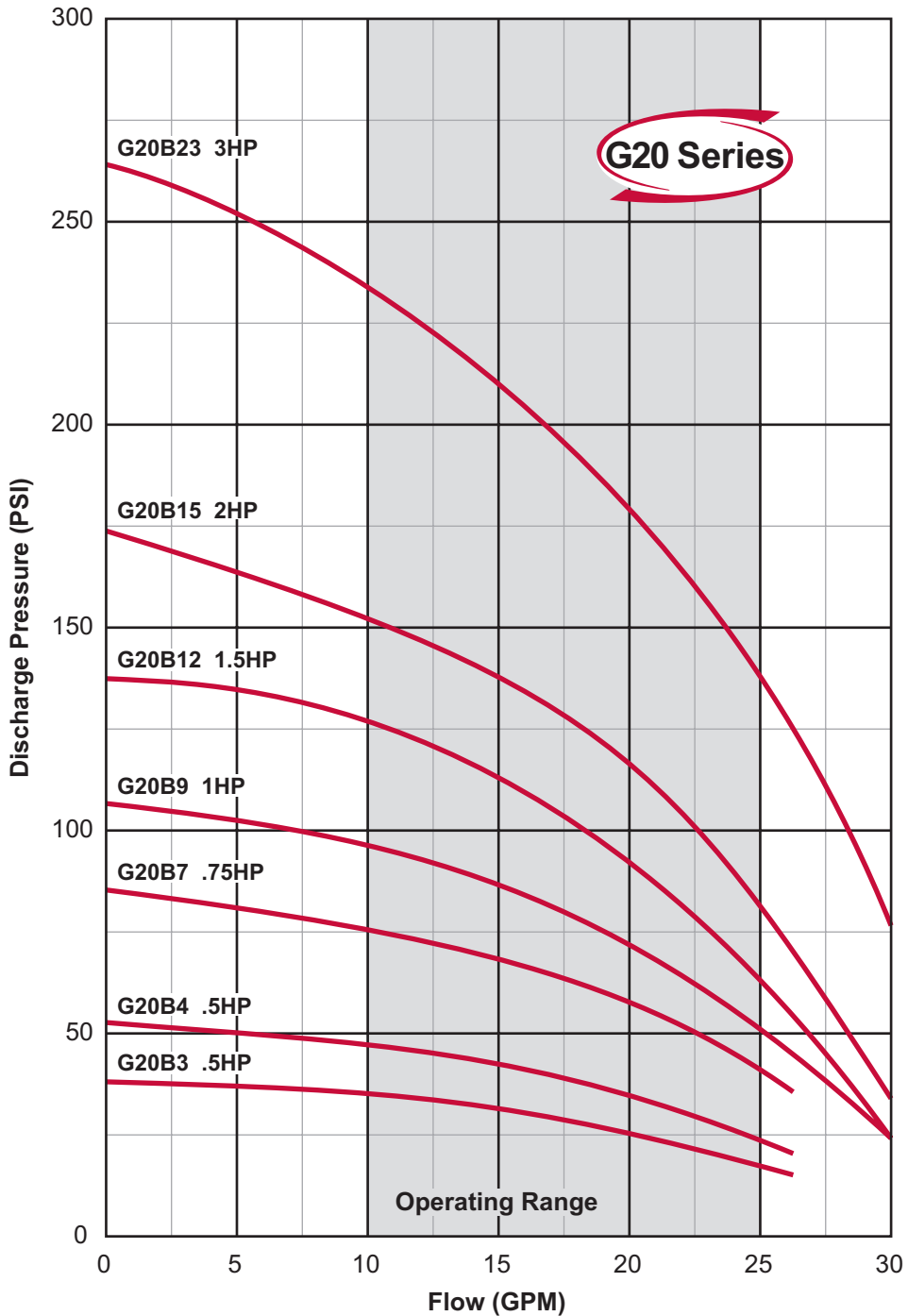
G15 SERIES GROUP CURVES

EZSeries



Note:

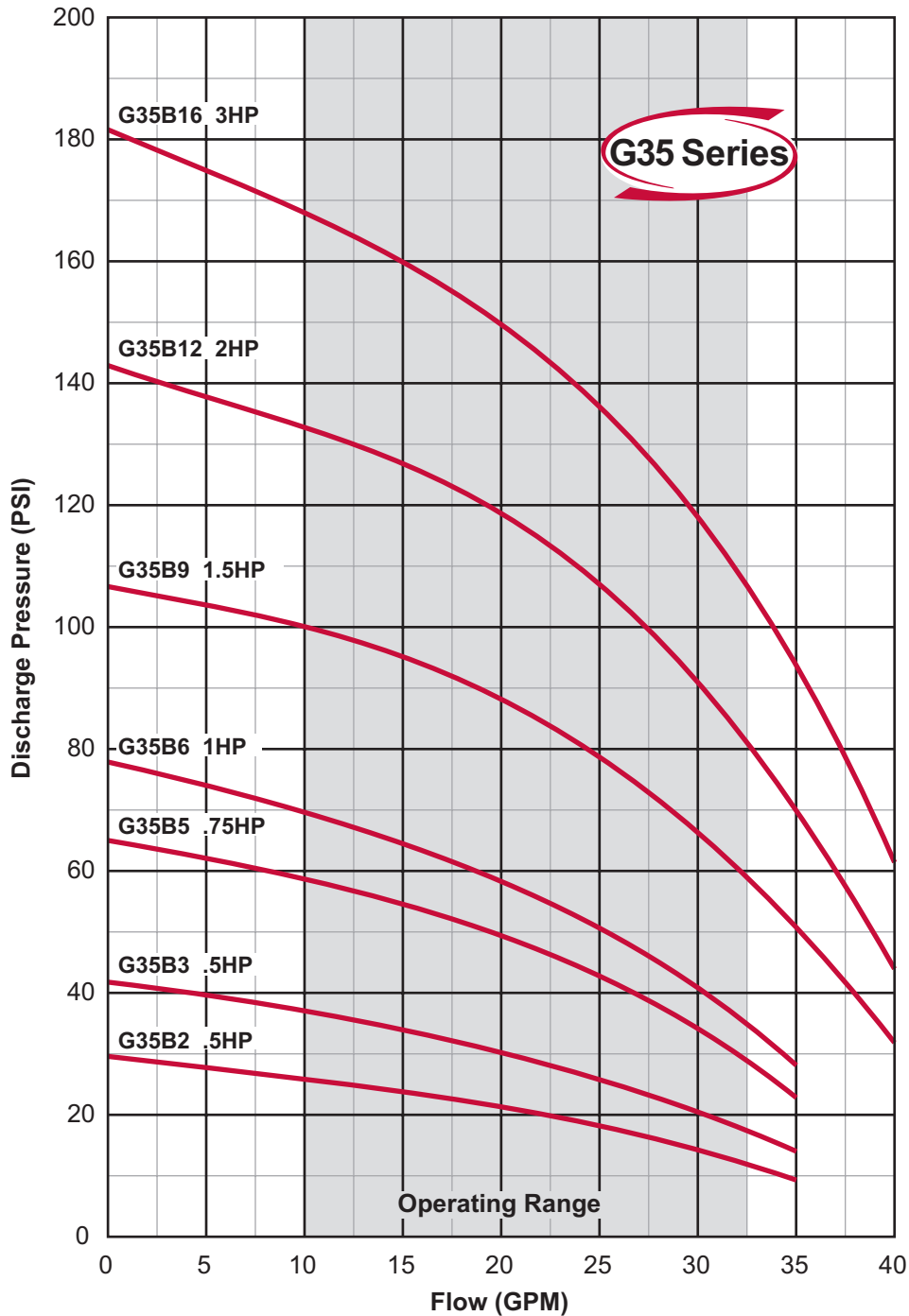
Curves are based on 60 Hz 3450 rpm motors. 50 Hz 2875 rpm curves are available. These curves are for general guidance only, individual pump curves are available upon request. A certified curve may be requested for an additional cost. Webtrol will build pumps to fit your specific needs, contact factory for pricing.



Note:

Curves are based on 60 Hz 3450 rpm motors. 50 Hz 2875 rpm curves are available. These curves are for general guidance only, individual pump curves are available upon request. A certified curve may be requested for an additional cost. Webtrol will build pumps to fit your specific needs, contact factory for pricing.

G35 SERIES GROUP CURVES



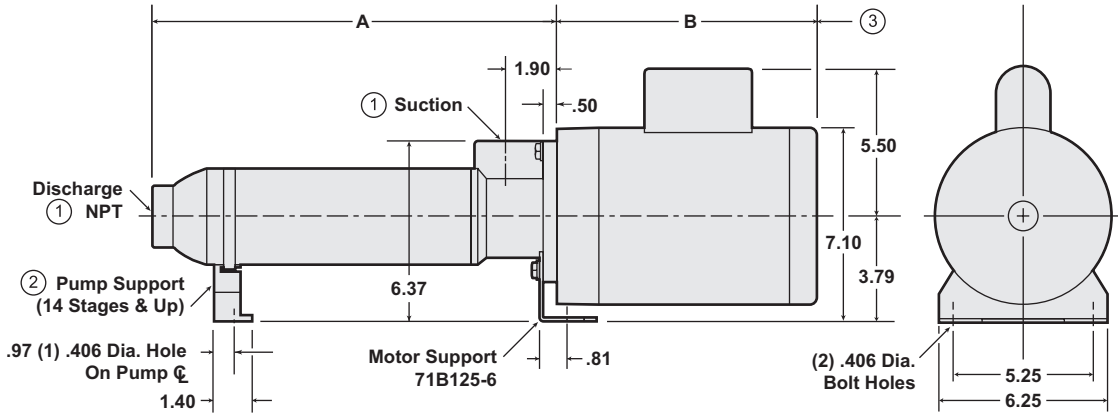
Note:

Curves are based on 60 Hz 3450 rpm motors. 50 Hz 2875 rpm curves are available. These curves are for general guidance only, individual pump curves are available upon request. A certified curve may be requested for an additional cost. Webtrol will build pumps to fit your specific needs, contact factory for pricing.

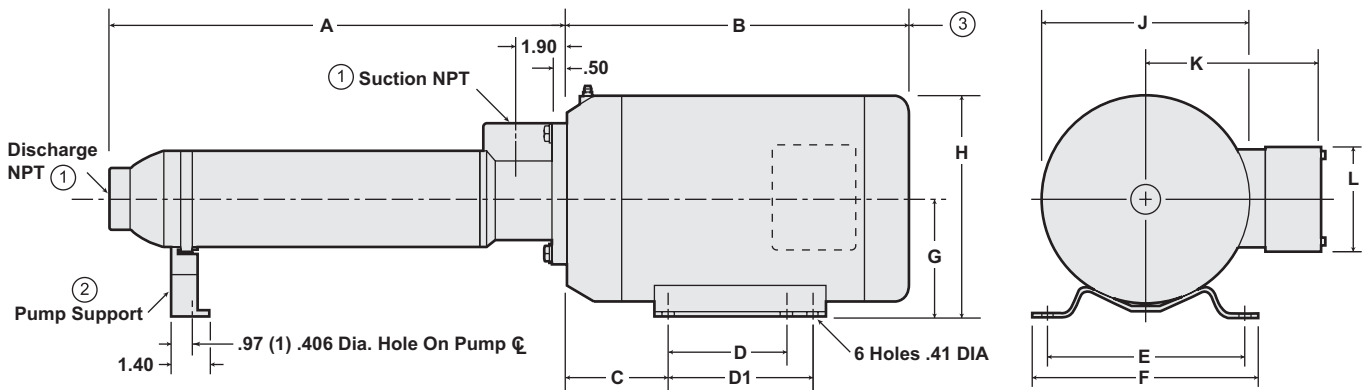
EZ BOOSTER DIMENSIONS

EZ Series

Cast Iron and Stainless Steel Booster Pumps



1/3 - 3 HP Models



5 HP Models

1. The inlet and discharge thread size for C.I. and stainless steel models in the 5, 10, 15 GPM pump sizes is 1" NPT; The 20 and 35 GPM pump size is 1 1/2" NPT.
2. Pump models that are 14 stages or more are equipped with a pump support located near the discharge of the pump. For stability, this support should be mounted approximately 4" from the discharge.
3. Allow 8" minimum clearance behind the motor for maintenance.

| Manufacturer | Motor Frame Size | Phase | Enclosure | B | C | D / D1 | E | F | G | H | J | K | L |
|--------------|------------------|-------|-----------|-------|------|-------------|------|------|------|------|------|------|-------|
| Baldor | 184CZY | 3 | TEFC | 13.80 | 3.88 | 4.50 / 5.50 | 7.50 | 8.63 | 4.50 | 8.44 | 7.88 | 6.75 | 4.00 |
| Baldor | 184CZY | 3 | ODP | 12.25 | 3.88 | 4.50 / 5.50 | 7.50 | 8.63 | 4.50 | 8.44 | 7.88 | 6.75 | 4.00 |
| Baldor | 184CZY | 1 | TEFC | 15.30 | 3.88 | 4.50 / 5.50 | 7.50 | 8.63 | 4.50 | 8.44 | 7.88 | 7.88 | 6.25 |
| Baldor | 184CZY | 1 | ODP | 12.25 | 3.88 | 4.50 / 5.50 | 7.50 | 8.63 | 4.50 | 8.44 | 7.88 | 6.64 | 5.125 |



There when you need us most

EZSeries

EZ BOOSTER DIMENSIONS

Cast Iron and Stainless Steel - Dimensions (Inches)

| Cast Iron Model No. | A | B* |
|---------------------|-------|-------|
| G5B6 | 11.95 | 10.13 |
| G5B7 | 12.87 | 10.13 |
| G5B8 | 13.79 | 10.13 |
| G5B10 | 15.62 | 10.13 |
| G5B12 | 17.46 | 10.53 |
| G5B17 | 22.96 | 10.53 |
| G5B23 | 29.38 | 11.13 |
| G5B28 | 33.97 | 11.63 |
| G10B4 | 10.24 | 10.13 |
| G10B5 | 11.18 | 10.13 |
| G10B6 | 12.13 | 10.13 |
| G10B8 | 14.03 | 10.53 |
| G10B12 | 17.83 | 10.53 |
| G10B14 | 19.71 | 11.13 |
| G10B15 | 20.66 | 11.13 |
| G10B18 | 24.45 | 11.63 |
| G10B26 | 32.98 | 12.53 |
| G15B5 | 11.50 | 10.13 |
| G15B7 | 13.52 | 10.53 |
| G15B9 | 15.54 | 10.53 |
| G15B14 | 21.60 | 11.63 |
| G15B20 | 27.67 | 12.53 |
| G20B3 | 10.17 | 10.13 |
| G20B4 | 11.42 | 10.13 |
| G20B7 | 15.14 | 10.53 |
| G20B9 | 17.63 | 11.13 |
| G20B12 | 22.59 | 11.63 |
| G20B15 | 26.32 | 12.53 |
| G20B23 | 37.50 | 13.63 |
| G35B2 | 9.27 | 10.13 |
| G35B3 | 10.69 | 10.13 |
| G35B5 | 13.51 | 10.53 |
| G35B6 | 14.93 | 11.13 |
| G35B9 | 19.16 | 11.63 |
| G35B12 | 24.82 | 12.53 |
| G35B16 | 30.47 | 13.63 |

| Cast Iron Model No. | A | B* |
|---------------------|-------|-------|
| H5B2 | 8.28 | 10.13 |
| H5B3 | 9.20 | 10.13 |
| H5B4 | 10.12 | 10.13 |
| H5B5 | 11.03 | 10.13 |
| H5B6 | 11.95 | 10.53 |
| H5B7 | 12.87 | 10.53 |
| H5B8 | 13.79 | 10.53 |
| H5B10 | 15.62 | 10.53 |
| H5B12 | 17.46 | 11.13 |
| H5B17 | 22.96 | 11.63 |
| H5B23 | 29.38 | 12.53 |
| H5B28 | 33.97 | 13.63 |
| H5B34-1 | 40.39 | 15.30 |
| H5B41-1 | 46.82 | 15.30 |
| H10B2 | 8.34 | 10.13 |
| H10B3 | 9.29 | 10.13 |
| H10B4 | 10.24 | 10.53 |
| H10B5 | 11.18 | 10.53 |
| H10B6 | 12.13 | 10.53 |
| H10B8 | 14.03 | 11.13 |
| H10B14 | 19.71 | 11.63 |
| H10B18 | 24.45 | 12.53 |
| H10B26-1 | 32.98 | 15.30 |
| H10B34-1 | 41.50 | 15.30 |
| H10B42-1 | 49.08 | 15.30 |

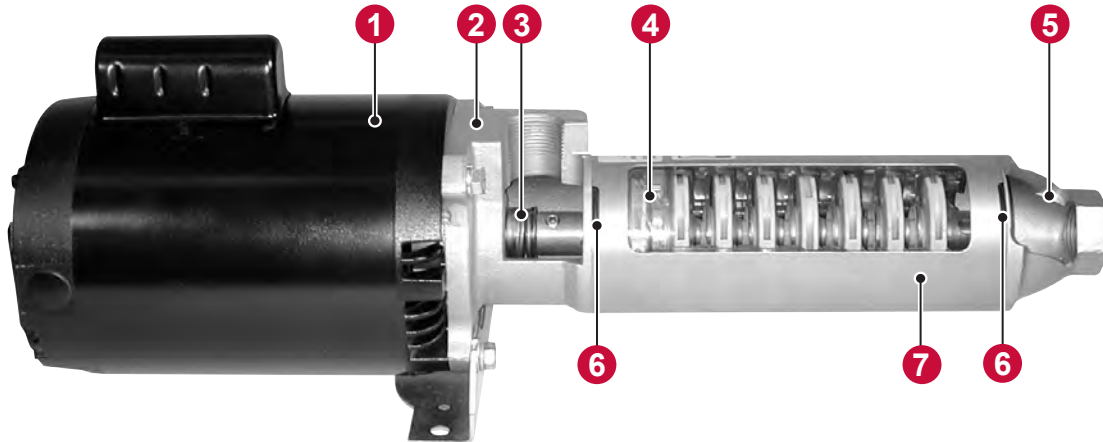
| Cast Iron Model No. | A | B* |
|---------------------|-------|-------|
| H15B2 | 8.47 | 10.13 |
| H15B3 | 9.48 | 10.13 |
| H15B5 | 11.50 | 10.53 |
| H15B7 | 13.52 | 11.13 |
| H15B9 | 15.54 | 11.63 |
| H15B14 | 21.60 | 12.53 |
| H15B20 | 27.67 | 13.63 |
| H15B30-1 | 38.78 | 15.30 |
| H15B40-1 | 49.90 | 15.30 |
| H20B3 | 10.17 | 10.53 |
| H20B4 | 11.42 | 10.53 |
| H20B6 | 13.90 | 11.13 |
| H20B7 | 15.14 | 11.63 |
| H20B9 | 17.63 | 11.63 |
| H20B12 | 22.59 | 12.53 |
| H20B15 | 26.32 | 13.63 |
| H20B23-1 | 37.50 | 15.30 |
| H20B33-1 | 51.16 | 15.30 |
| H35B2 | 9.27 | 10.53 |
| H35B3 | 10.69 | 10.53 |
| H35B5 | 13.51 | 11.63 |
| H35B6 | 14.93 | 11.63 |
| H35B9 | 19.16 | 13.63 |
| H35B12 | 24.82 | 13.63 |
| H35B16-1 | 30.47 | 15.30 |
| H35B23-1 | 40.36 | 15.30 |

*B Dimensions are estimated lengths since we reserve the right to use various brand motors.

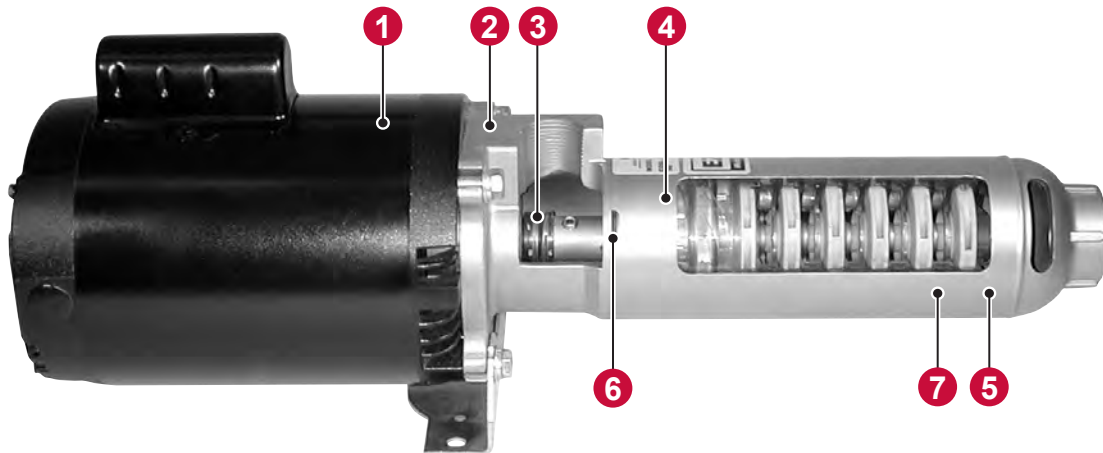
EZ BOOSTER REPAIR PARTS

EZ Series

Cast Iron & Stainless Steel Models



Cast Iron



Stainless Steel

Webtrol manufactures many different models of EZ Series Booster Pumps. To be sure you get the right part you need, we ask that you call (314) 631-9200 and let one of our trained customer service representatives assist you.

There are 7 basic components that make up an EZ Series Booster Pump. These seven components are shown above in the display model pumps.

To order parts, note the **model number** and the **date code** of the EZ Booster pump that needs a repair part.

- | | |
|------------------------------|--------------------|
| 1 Motor | 5 Discharge |
| 2 Inlet/Motor Bracket | 6 O-Rings |
| 3 Mechanical Seal | 7 Housing |
| 4 Rotating Assembly | |



There when you need us most

(800) 769-7867

8417 New Hampshire Ave. | St. Louis, MO 63123

Web: webtrol.com | **E-mail:** customerservice@webtrol.com | **Fax:** (314) 631-3738

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