5GB, 7GB, 10GB, 18GB, 25GB, 33GB
HIGH PRESSURE MULTI-STAGE BOOSTER PUMP
APPLICATIONS

- Residential, commercial or agricultural pressure wash
- Reverse osmosis
- Evaporative cooling systems/misters
- Booster service
- Spray systems
- Water circulation
- Filtration
- HVAC
- General purpose pumping

WARNINGS

- Pumps used on open spray applications must be plugged into electrical service which is protected by a Ground Fault Service Interruptor. Failure to do so may result in serious personal injury or death and property damage.
- Do not run pump dry.
- Do not run pump below minimum flow.
- If positive suction pressure is not available, be sure pump and suction line (with foot valve) are primed before starting pump.

MATERIALS OF CONSTRUCTION

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Material</th>
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<td>1</td>
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FEATURES

- Multi-stage Design: Provides steady, quiet, vibration free, operation.
- Optional Stainless Steel Construction: Standard cast iron for general service or stainless for filtration applications.
- O-Ring Casing Seal: Reliable high pressure sealing with easy disassembly for maintenance or repair.
- Impellers and Diffusers: Glass filled engineered composite material with a fixed impeller design. High resistance to corrosion and abrasion.
- Bowls: 300 stainless steel rabbit lock for positive alignment with no gaskets required.
- Variable Capacity: Centrifugal pump design permits selection of flow within a range for each size.
- Mechanical Seal: A variety of face materials and elastomers to match application needs.
- Motors: Close coupled NEMA 56J motors in open drip proof or totally enclosed design. Single phase and three phase available. Ball bearings carry all radial and axial thrust loads. Designed for continuous operation.

SPECIFICATIONS

Pump
- Maximum suction (inlet) pressure: 75 PSI.
- Maximum Liquid Temperature: 160º F (71º C).
- Rotation: Clockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft., check NPSH curve.

Motor
- NEMA standard 56J frame.
- Open drip proof or totally enclosed fan cooled enclosures available as standard. Consult factory for other options.
- 60 Hz, 3500 RPM. Single phase (115/230 V), three phase 208-230 (3 HP, 230 V) or three phase (208-230/460 V).
- Single phase motors have built-in capacitor and overload with automatic reset.

Note: For three phase motors, Class 20 overload protection must be provided in starter unit. Starter with overloads must be ordered separately.
GB NUMBERING SYSTEM

The various versions of the Series GB are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. The following are the standard 60 Hz product numbers and are built with Single Phase ODP motors and standard staging. The cast iron version uses Seal Code 0 and the stainless version uses Seal Code 4.

<table>
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<th>Order No.</th>
<th>Cast Iron</th>
<th>Stainless</th>
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| Unit is supplied with ½ HP motor. |

* All 3 HP motors are 230V only.

5GB SPECIFICATIONS
- Maximum Flow: 8 GPM
- Minimum Flow: 1 GPM
- Heads: to 600 ft. (260 PSI)
- Pipe Connections: 1" NPT Suction and Discharge

7GB SPECIFICATIONS
- Maximum Flow: 10 GPM
- Minimum Flow: 1 GPM
- Heads: to 500 ft. (216 PSI)
- Pipe Connections: 1" NPT Suction and Discharge

10GB SPECIFICATIONS
- Maximum Flow: 16 GPM
- Minimum Flow: 3 GPM
- Heads: to 560 ft. (242 PSI)
- Pipe Connections: 1" NPT Suction and Discharge

18GB SPECIFICATIONS
- Maximum Flow: 28 GPM
- Minimum Flow: 6 GPM
- Heads: to 470 ft. (203 PSI)
- Pipe Connections: 1" NPT Suction and Discharge

25GB SPECIFICATIONS
- Maximum Flow: 33 GPM
- Minimum Flow: 8 GPM
- Heads: to 430 ft. (186 PSI)
- Pipe Connections: 1" NPT Suction and Discharge

33GB SPECIFICATIONS
- Maximum Flow: 33 GPM
- Minimum Flow: 10 GPM
- Heads: to 575 ft. (249 PSI)
- Pipe Connections: 1" NPT Suction and Discharge
GB NUMBERING SYSTEM

For optional motor enclosures, seals and three phase configurations use the following product code system.

Example Code

5 GB C 05 1 5 J 0

MECHANICAL SEAL AND O-RING

0 = Standard on Cast Iron and 4 = Standard on Stainless Steel.
For Optional Mechanical Seal modify catalog order no. with Seal Code listed below.

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NUMBER OF STAGES

A = 1  D = 4  G = 7  K = 10  N = 13  R = 16  U = 19  X = 22
B = 2  E = 5  H = 8  L = 11  P = 14  S = 17  V = 20  Y = 23
C = 3  F = 6  J = 9  M = 12  Q = 15  T = 18  W = 21  Z = 24

DRIVER

1 = 1 PH, ODP 4 = 1 PH, TEFC
2 = 3 PH, ODP 5 = 3 PH, TEFC
3 = 3 PH, 575V ODP 6 = 3 PH, 575V, TEFC

DRIVER: Hertz/Pole/Rpm

1 = 60 Hz, 2 pole, 3500 RPM
2 = 50 Hz, 2 pole, 2900 RPM

HP RATING

03 = 1/3 HP 10 = 1 HP 50 = 5 HP
05 = 1/2 HP 20 = 2 HP
07 = 1/4 HP 30 = 3 HP

*Note: 1/3 HP Single Phase unit is supplied with 1/2 HP motor.

MATERIAL – DISCHARGE, HEAD AND SUCTION HOUSING

C = Cast Iron
S = Stainless Steel

PUMP MODEL

GB

GALLONS PER MINUTE

5 7 10 18 25 33

Note: Not recommended for operation beyond recommended range specified on H-Q curve.
For critical application conditions consult factory.

Note: Not all combinations of motor, impeller and seal options are available for every pump model. Please check with Goulds Water Technology on non-cataloged numbers.
DIMENSIONS AND WEIGHTS FOR 60 HZ AND 50 HZ PUMPS

MOUNTING PATTERN

- .38 DIA Thru-(4) Holes
- .88 DIA Thru Typ.
- .38 Wide Slot Typ.
- Eyelets will accommodate .31 DIA. Hex Head Bolts for removable wall mounting

Outline of Bolt-On Foot

Suction Port (Ref.)

Non-Footed Motor Mounting Pattern

- .38 DIA Thru-(4) Holes
- .88 DIA Thru Typ.
- .38 Wide Slot Typ.

Eyelets will accommodate .31 DIA. Hex Head Bolts for removable wall mounting

Non-Footed Motor

1" NPT Port (Discharge)

1" NPT Port (Suction)

1/4" NPT Plug

Bolt-On Foot
### DIMENSIONS AND WEIGHTS FOR 60 HZ PUMPS

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### DIMENSIONS AND WEIGHTS FOR 50 HZ PUMPS

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**5GB PERFORMANCE CURVES**

### Model: GB
- RPM: 3500
- Based on zero inlet pressure
- Curve No. CN0429R01

- **5GB10** – 17 stage
- **5GB07** – 14 stage
- **5GB05** – 9 stage
- **5GB03** – 7 stage

### Model: GB
- RPM: 2900
- Based on zero inlet pressure
- Curve No. CN0557R01

- **5GB10** – 19 stage
- **5GB07** – 16 stage
- **5GB05** – 10 stage
- **5GB03** – 7 stage

**Recommended range for capacity:**
- **5GB10**: 1 – 8 GPM
- **5GB07**: 1 – 8 GPM
- **5GB05**: 1 – 8 GPM
- **5GB03**: 1 – 8 GPM

**NPSHR (Net Positive Suction Head Required) – Feet:**
- **5GB10**: 1 – 8 GPM
- **5GB07**: 1 – 8 GPM
- **5GB05**: 1 – 8 GPM
- **5GB03**: 1 – 8 GPM

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**RESIDENTIAL AND COMMERCIAL WATER**

** Goulds Water Technology **
10GB PERFORMANCE CURVES

MODEL: GB
RPM: 3500
BASED ON ZERO INLET PRESSURE CURVE NO. CN0431R01

RECOMMENDED RANGE
3 – 16 GPM

10GB20 – 17 STAGE
10GB15 – 15 STAGE
10GB10 – 10 STAGE
10GB07 – 8 STAGE

MODEL: GB
RPM: 2900
BASED ON ZERO INLET PRESSURE CURVE NO. CN0559R01

RECOMMENDED RANGE
3 – 16 GPM

10GB20 – 23 STAGE
10GB15 – 17 STAGE
10GB10 – 11 STAGE
10GB07 – 9 STAGE
18GB PERFORMANCE CURVES

MODEL: GB
RPM: 3500
BASED ON ZERO INLET PRESSURE
CURVE NO. CN0432R01

RECOMMENDED RANGE
6 - 28 GPM

MODEL: GB
RPM: 2900
BASED ON ZERO INLET PRESSURE
CURVE NO. CN0560R01

RECOMMENDED RANGE
6 - 26 GPM
33GB PERFORMANCE CURVES

**MODEL: GB**
RPM: 3500
BASED ON ZERO INLET PRESSURE
CURVE NO. CN0679R00

- 33GB50 – 19 STAGE
- 33GB30 – 13 STAGE
- 33GB20 – 9 STAGE
- 33GB15 – 7 STAGE
- 33GB10 – 5 STAGE

**MODEL: GB**
RPM: 2900
BASED ON ZERO INLET PRESSURE
CURVE NO. CN0680R00

- 33GBZ30 – 14 STAGE
- 33GBZ20 – 10 STAGE
- 33GBZ10 – 6 STAGE
- 33GBZ15 – 8 STAGE

**RECOMMENDED RANGE**
10 – 43 GPM
10 – 38 GPM
ACCESSORIES

HOSE

AM3-5 – Discharge Hose
¾” male x ¾” female, 250 PSI hose, 40 ft. section, flexible.

AM4 – Suction Hose
¾” female x ¾” female, 150 PSI hose, 4 ft. section flexible.

HANDLE

4K452
Formed carbon steel handle is standard on 7GB WaterGun® and can be ordered separately for use on other sizes.

PRESSURE GUN

AM2-2
Designed for use with WaterGun®. Nozzle passes approximately 5.7 GPM at 140 lbs. pressure and provides a most effective angle spray.

PIPE ADAPTER

AM5-1
¼” male HT x 1” male NPT hose to pipe adapter, stainless steel. Converts suction and discharge to ¾” male NPT hose.
1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We’re 12,000 people unified in a common purpose: creating innovative solutions to meet our world’s water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com