

# High-Pressure Multi-stage Booster Pump

## MODEL

5GB, 7GB, 10GB,  
18GB, 25GB



### 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 Shell:** Reliable high pressure sealing with easy disassembly for maintenance or repair.

■ **Impellers and Diffusers:** Glass filled engineered composite material with floating 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:

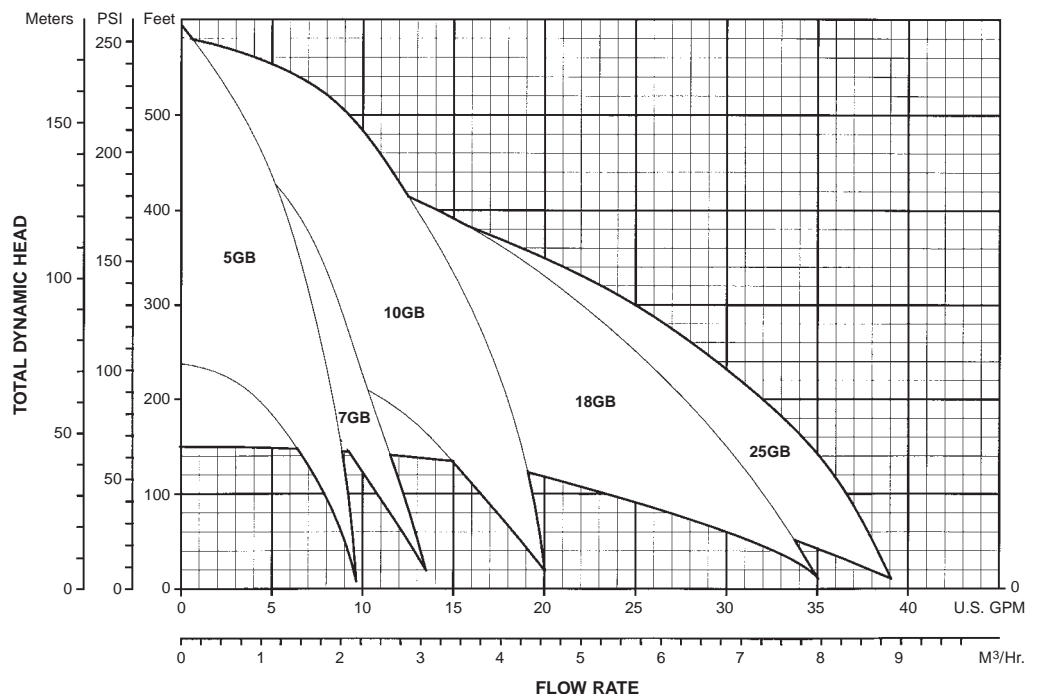
A variety of face materials and elastomers to match application needs.

■ **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.

### APPLICATIONS

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

### PERFORMANCE COVERAGE 60HZ, 3500 RPM



Goolds Pumps is ISO 9001 Registered.



**MODEL 5GB**



**SPECIFICATIONS**

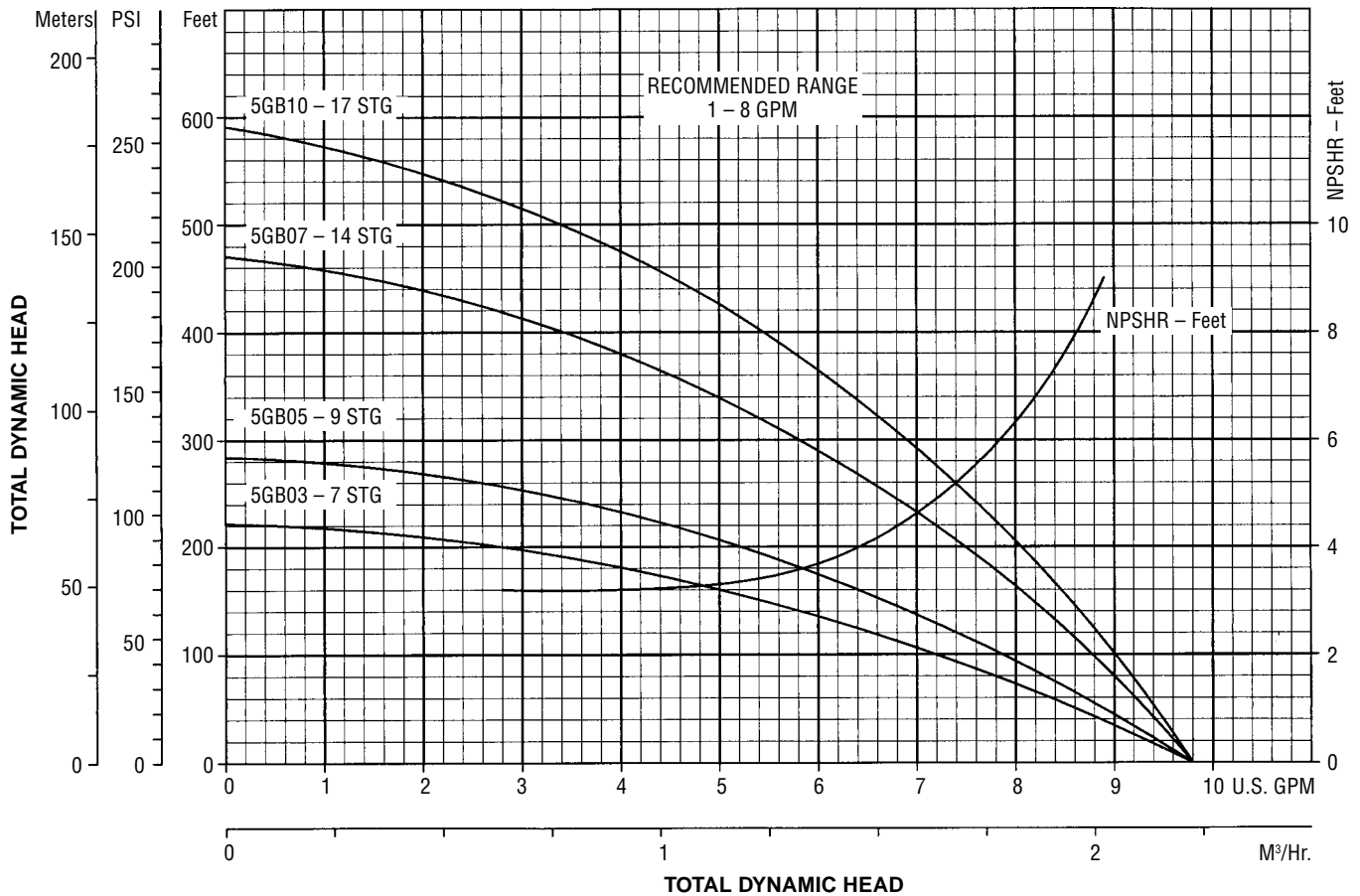
**Pump:**

- Capacities: to 8 GPM.
- Heads: to 600 ft. (260 PSI).
- Pipe Connections: 1" NPT Suction and Discharge.
- Maximum flow: 8 GPM.
- Minimum flow: 1 GPM.
- Maximum suction (inlet) pressure: 75 PSI.
- Maximum Liquid Temperature: 160°F (71°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 or three phase 208-230/460 V.
- Single phase motors have built-in capacitor and overload with automatic reset.

**Note:** For three phase motors, overload protection must be provided in starter unit. Starter and heaters must be ordered separately.



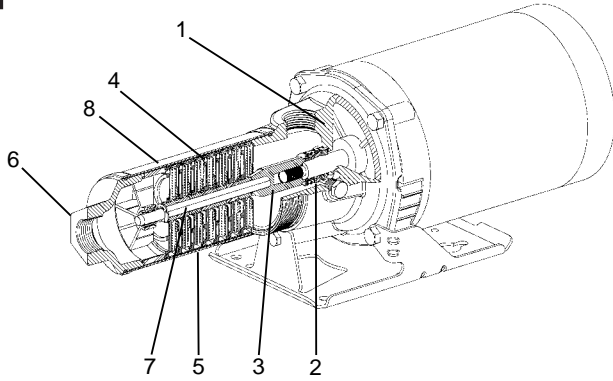
Goolds Pumps



# High-Pressure Multi-stage Booster Pump

**MODEL**

# 5GB



**MATERIALS OF CONSTRUCTION**

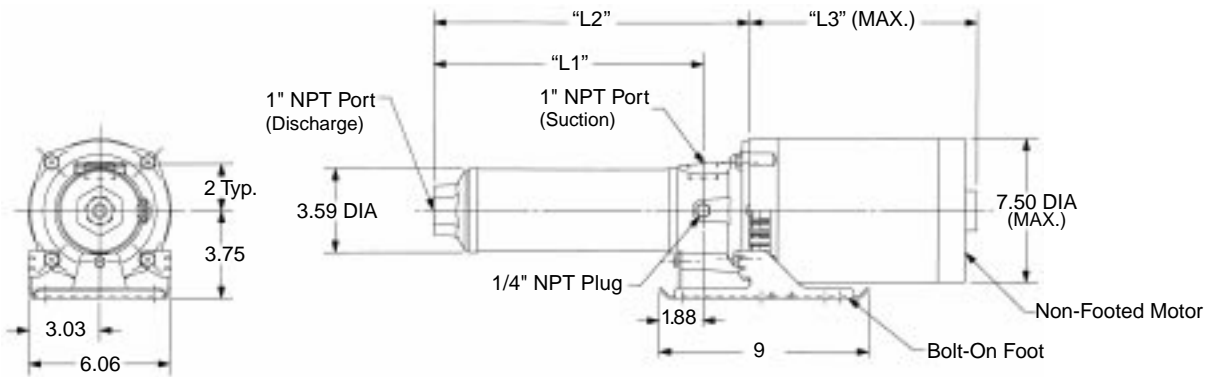
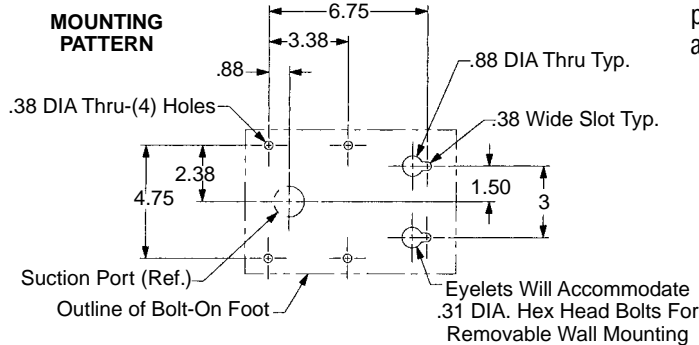
Item	Description	Material
1	Motor Adapter	Cast Iron or Cast 304 Stainless Steel
2	Mechanical Seal	0=Teepelite/Ceramic/BUNA 2=Carbon/Ceramic/BUNA 3=Carbon/Silcar/EPR 4=Carbon/Ceramic/Viton
3	Shaft Coupling	Stainless Steel
4	Impeller/Diffuser	Engineered Composite
5	Bowl	304 Stainless Steel
6	Discharge Head	Cast Iron or Cast 304 Stainless Steel
7	Hex Shaft	Stainless Steel
8	Casing	304 Stainless Steel

**DIMENSIONS AND WEIGHTS**

Model	Stages	L1 Approx.	L2 Approx.	HP	L3 Max.	Max. Wt. lbs.
5GB03	7	9.19	11.19	1/3	10.5	41
5GB05	9	10.62	12.62	1/2	10.5	41
5GB07	14	15.12	17.12	3/4	10.62	46
5GB10	17	17.12	19.12	1	11.25	50

**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.



**MODEL 7GB**



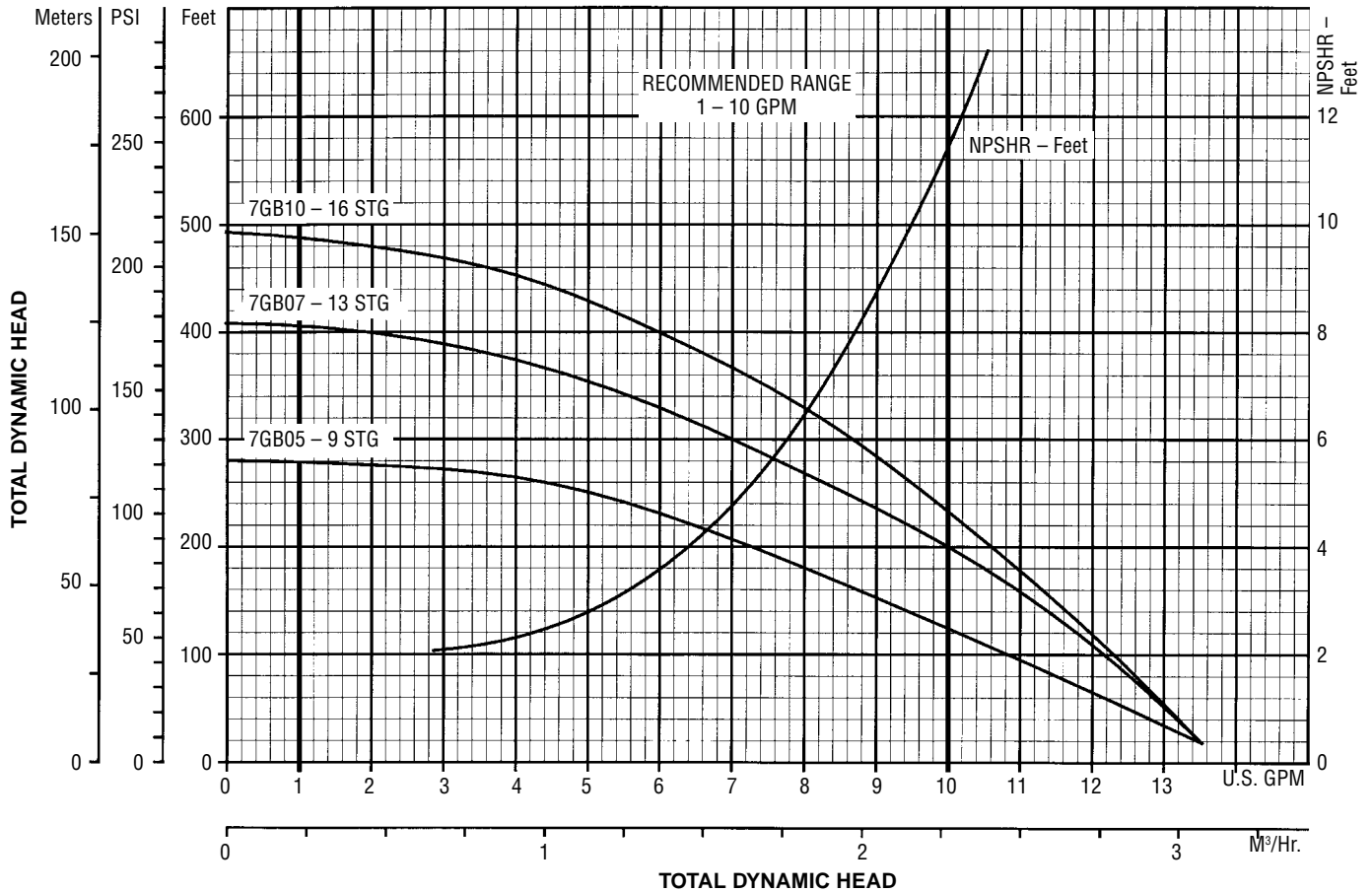
**SPECIFICATIONS**

**Pump:**

- Capacities: to 10 GPM.
- Heads: to 500 ft. (216 PSI).
- Pipe Connections: 1" NPT Suction and Discharge.
- Maximum flow: 10 GPM.
- Minimum flow: 1 GPM.
- Maximum suction (inlet) pressure: 75 PSI.
- Maximum Liquid Temperature: 160°F (71°C).
- Rotation: Clockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft. check NPSH curve.

**Motor:**

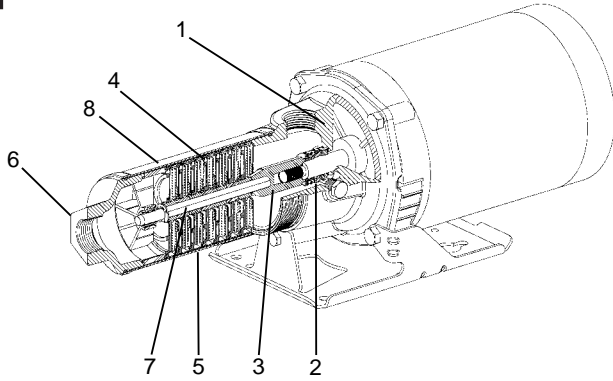
- NEMA standard 56J frame.
- Open drip proof or totally enclosed fan cooled enclosures available as standard. Consult factory for other options.
- 60 Hz, 3500 RPM, single phase 115/230 V or three phase 208-230/460 V.
- Single phase motors have built-in capacitor and overload with automatic reset.



# High-Pressure Multi-stage Booster Pump

**MODEL**

# 7GB



## MATERIALS OF CONSTRUCTION

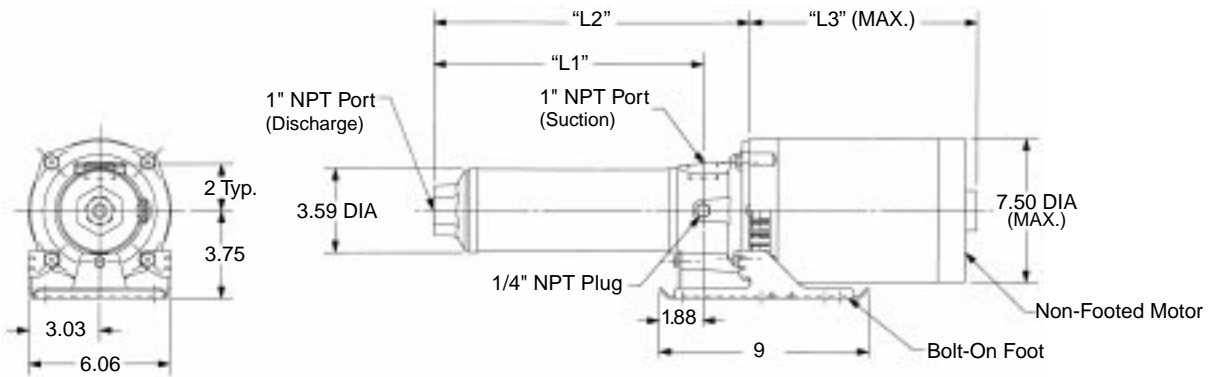
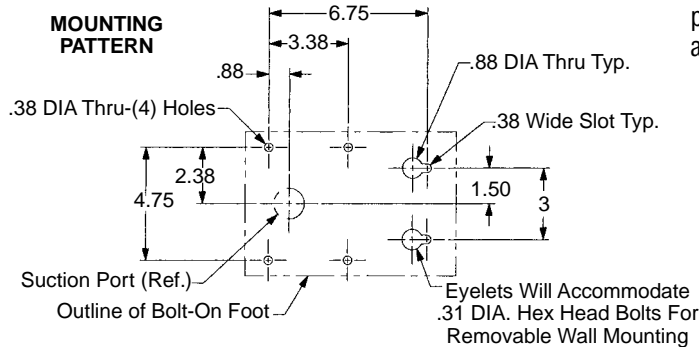
Item	Description	Material
1	Motor Adapter	Cast Iron or Cast 304 Stainless Steel
2	Mechanical Seal	0=Teepelite/Ceramic/BUNA 2=Carbon/Ceramic/BUNA 3=Carbon/Silcar/EPR 4=Carbon/Ceramic/Viton
3	Shaft Coupling	Stainless Steel
4	Impeller/Diffuser	Engineered Composite
5	Bowl	304 Stainless Steel
6	Discharge Head	Cast Iron or Cast 304 Stainless Steel
7	Hex Shaft	Stainless Steel
8	Casing	304 Stainless Steel

## DIMENSIONS AND WEIGHTS

Model	Stages	L1 Approx.	L2 Approx.	HP	L3 Max.	Max. Wt. lbs.
7GB05	9	11.88	13.88	½	10.5	41
7GB07	13	14.44	16.44	¾	10.62	46
7GB10	16	16.88	18.88	1	11.25	50

### 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.



Goulds Pumps



**MODEL 10GB**



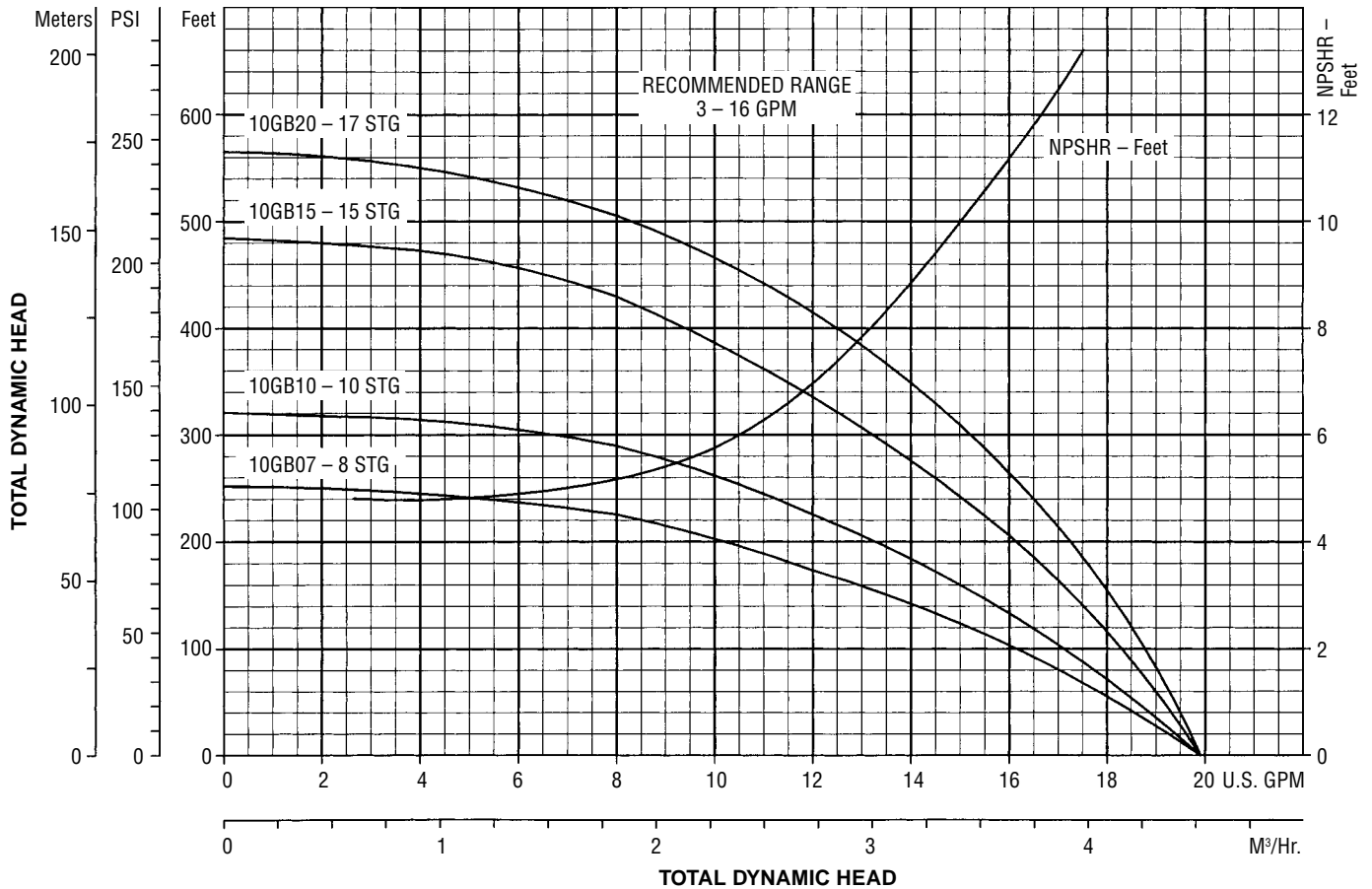
**SPECIFICATIONS**

**Pump:**

- Capacities: to 16 GPM.
- Heads: to 500 ft. (180 PSI).
- Pipe Connections: 1" NPT.
- Maximum flow: 16 GPM.
- Minimum flow: 3 GPM.
- Maximum Liquid Temperature: 160°F (71°C).
- Rotation: Clockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft. check NPSH curve.

**Motor:**

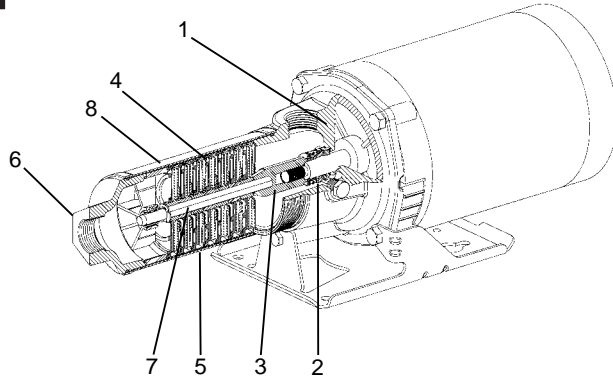
- NEMA standard 56J frame.
- Open drip proof or totally enclosed fan cooled enclosures.
- 60 Hz, 3500 RPM, single phase 115/230 V or three phase 208-230/460 V.
- Single phase motors have built-in capacitor and overload with automatic reset.
- Three phase units require separate starters.



# High-Pressure Multi-stage Booster Pump

**MODEL**

# 10GB



## MATERIALS OF CONSTRUCTION

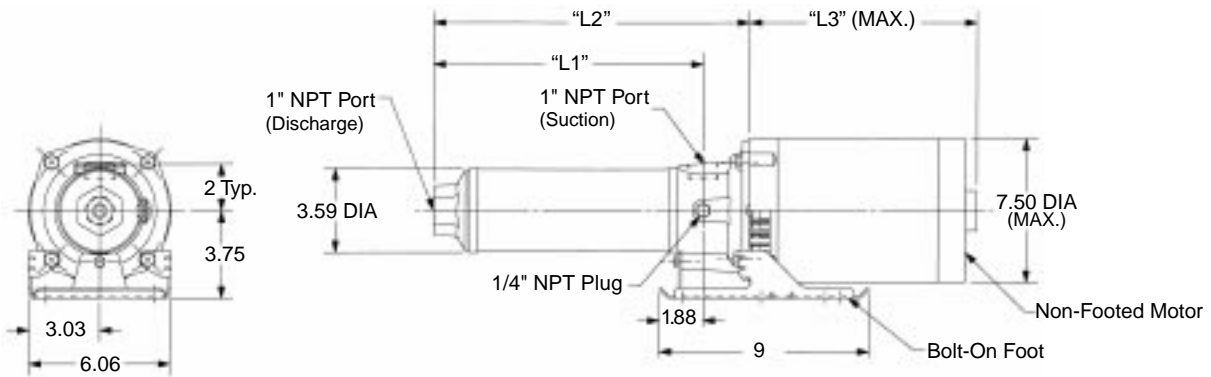
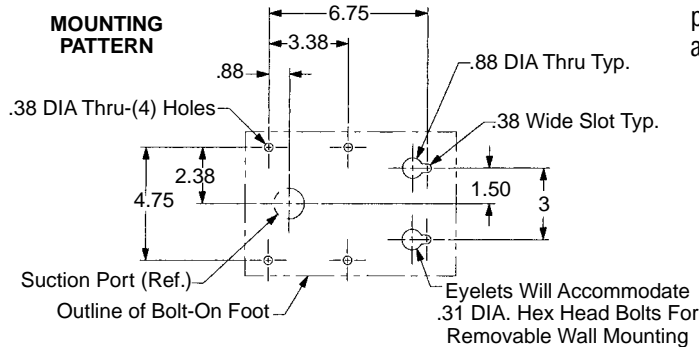
Item	Description	Material
1	Motor Adapter	Cast Iron or Cast 304 Stainless Steel
2	Mechanical Seal	0=Teepelite/Ceramic/BUNA 2=Carbon/Ceramic/BUNA 3=Carbon/Silcar/EPR 4=Carbon/Ceramic/Viton
3	Shaft Coupling	Stainless Steel
4	Impeller/Diffuser	Engineered Composite
5	Bowl	304 Stainless Steel
6	Discharge Head	Cast Iron or Cast 304 Stainless Steel
7	Hex Shaft	Stainless Steel
8	Casing	304 Stainless Steel

## DIMENSIONS AND WEIGHTS

Model	Stages	L1 Approx.	L2 Approx.	HP	L3 Max.	Max. Wt. lbs.
10GB07	8	10.94	12.94	3/4	10.62	46
10GB10	10	12.31	14.31	1	11.25	50
10GB15	15	15.81	17.81	1 1/2	11.31	47
10GB20	17	17.19	19.19	2	12.06	67

### 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.



Goulds Pumps



**MODEL 18GB**



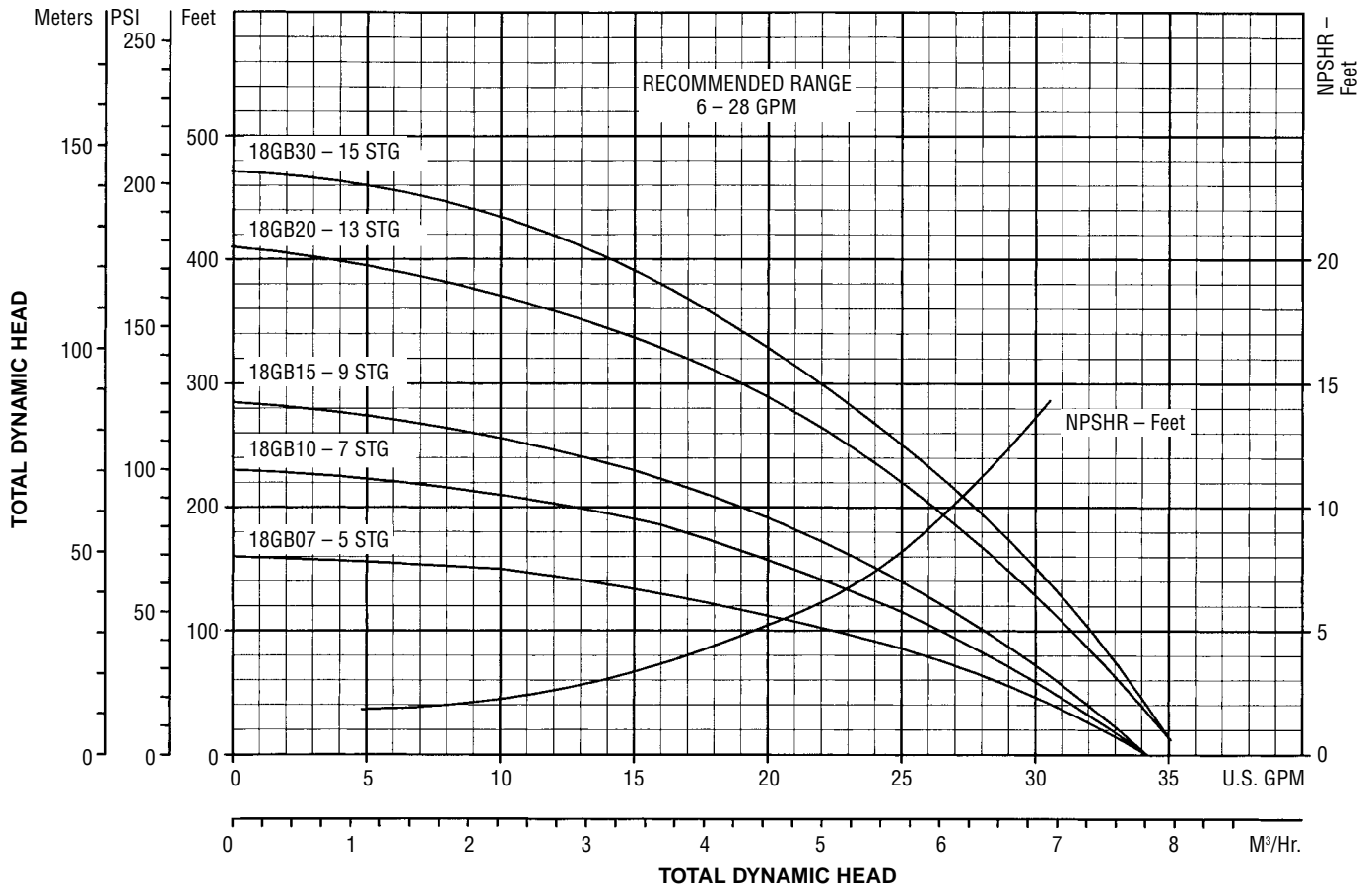
**SPECIFICATIONS**

**Pump:**

- Capacities: to 28 GPM.
- Heads: to 470 ft. (205 PSI).
- Pipe Connections: 1" NPT.
- Maximum flow: 28 GPM.
- Minimum flow: 6 GPM.
- Maximum suction (inlet) pressure: 75 PSI.
- Maximum Liquid Temperature: 160°F (71°C).
- Rotation: Clockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft. check NPSH curve.

**Motor:**

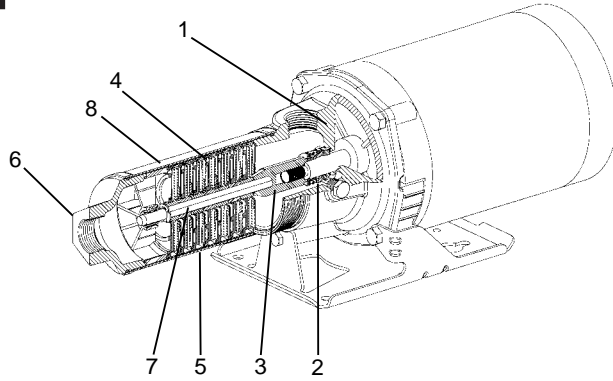
- NEMA standard 56J frame.
- Open drip proof or totally enclosed fan cooled enclosures available as standard. Consult factory for other options.
- 60 Hz, 3500 RPM, single phase 115/230 V or three phase 208-230/460 V.
- Single phase motors have built-in capacitor and overload with automatic reset.
- Three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



# High-Pressure Multi-stage Booster Pump

**MODEL**

# 18GB



## MATERIALS OF CONSTRUCTION

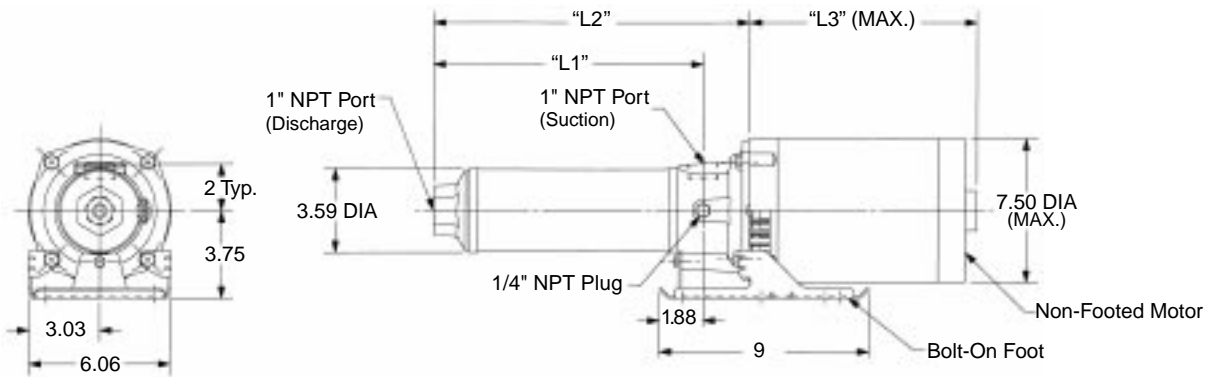
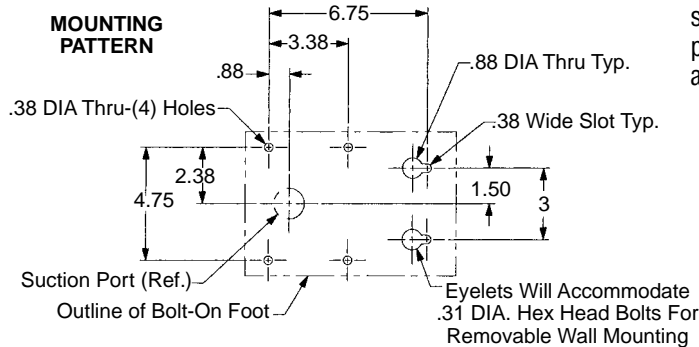
Item	Description	Material
1	Motor Adapter	Cast Iron or Cast 304 Stainless Steel
2	Mechanical Seal	0=Teepelite/Ceramic/BUNA 2=Carbon/Ceramic/BUNA 3=Carbon/Silcar/EPR 4=Carbon/Ceramic/Viton
3	Shaft Coupling	Stainless Steel
4	Impeller/Diffuser	Engineered Composite
5	Bowl	304 Stainless Steel
6	Discharge Head	Cast Iron or Cast 304 Stainless Steel
7	Hex Shaft	Stainless Steel
8	Casing	304 Stainless Steel

## DIMENSIONS AND WEIGHTS

Model	Stages	L1 Approx.	L2 Approx.	HP	L3 Max.	Max. Wt. lbs.
18GB07	5	9.69	11.69	3/4	10.62	46
18GB10	7	11.38	13.38	1	11.25	50
18GB15	9	13.12	15.12	1 1/2	11.31	47
18GB20	13	16.50	18.50	2	12.06	67
18GB30	15	18.25	20.25	3	13.03	69

### 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.



Goolds Pumps



**MODEL 25GB**



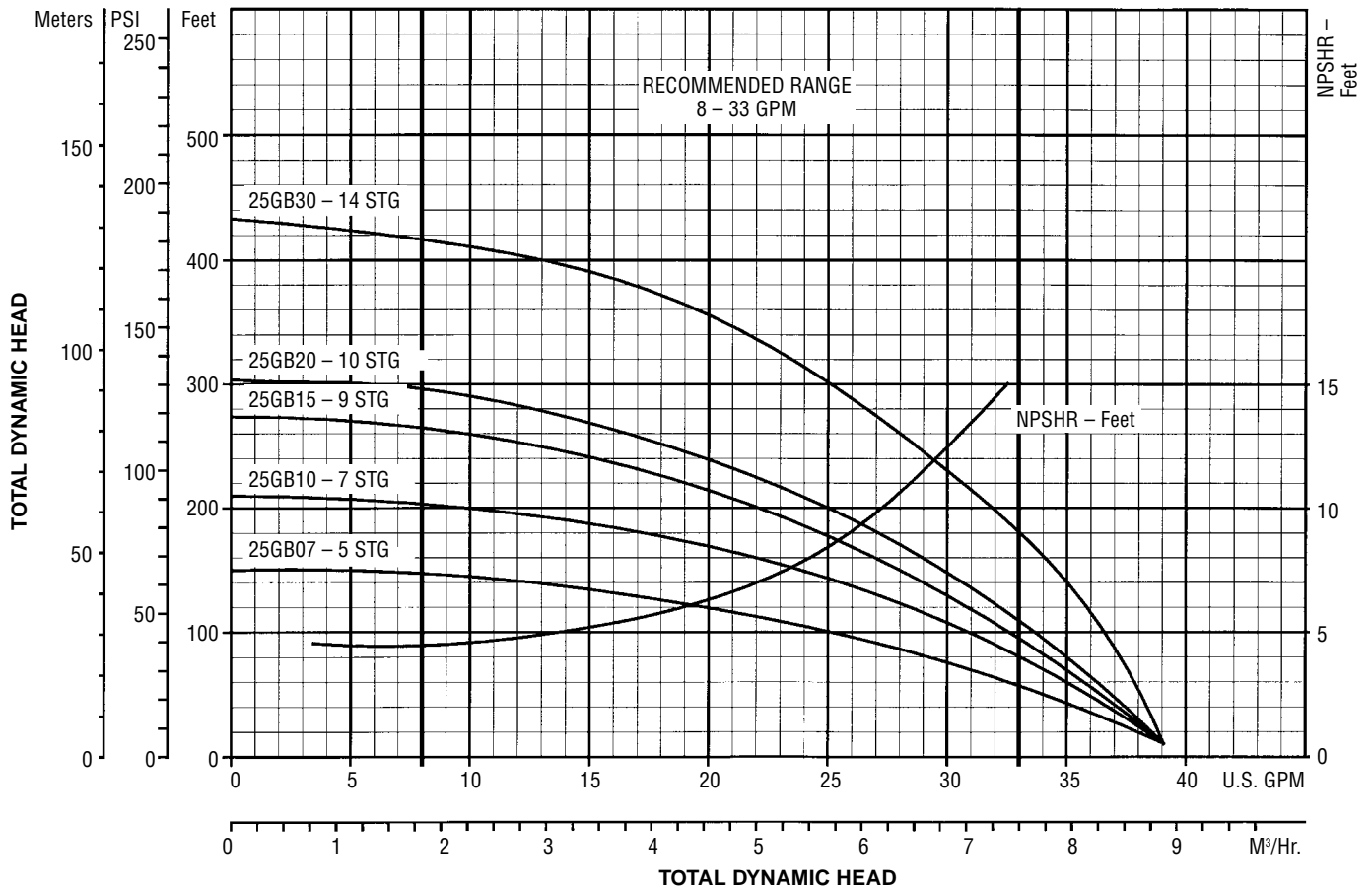
**SPECIFICATIONS**

**Pump:**

- Capacities: to 33 GPM.
- Heads: to 430 ft. (190 PSI).
- Pipe Connections: 1" NPT.
- Maximum flow: 33 GPM.
- Minimum flow: 8 GPM.
- Maximum suction (inlet) pressure: 75 PSI.
- Maximum Liquid Temperature: 160°F (71°C).
- Rotation: Clockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft. check NPSH curve.

**Motor:**

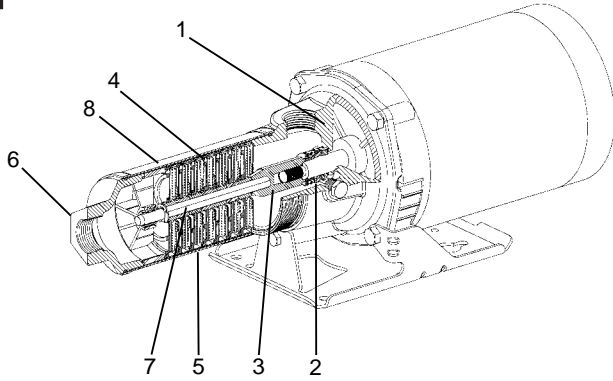
- NEMA standard 56J frame.
- Open drip proof or totally enclosed fan cooled enclosures available as standard. Consult factory for other options.
- 60 Hz, 3500 RPM, single phase 115/230 V or three phase 208-230/460 V.
- Single phase motors have built-in capacitor and overload with automatic reset.
- Three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



# High-Pressure Multi-stage Booster Pump

**MODEL**

# 25GB



**MATERIALS OF CONSTRUCTION**

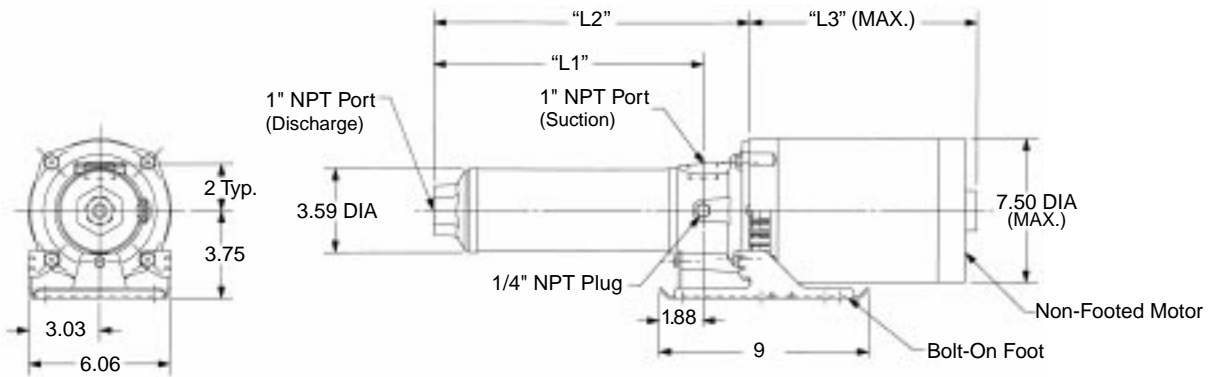
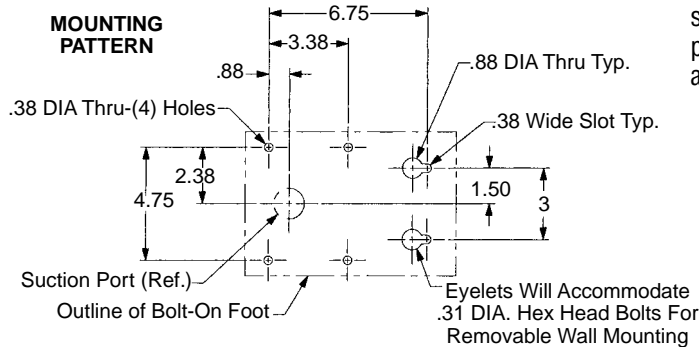
Item	Description	Material
1	Motor Adapter	Cast Iron or Cast 304 Stainless Steel
2	Mechanical Seal	0=Teepelite/Ceramic/BUNA 2=Carbon/Ceramic/BUNA 3=Carbon/Silcar/EPR 4=Carbon/Ceramic/Viton
3	Shaft Coupling	Stainless Steel
4	Impeller/Diffuser	Engineered Composite
5	Bowl	304 Stainless Steel
6	Discharge Head	Cast Iron or Cast 304 Stainless Steel
7	Hex Shaft	Stainless Steel
8	Casing	304 Stainless Steel

**DIMENSIONS AND WEIGHTS**

Model	Stages	L1 Approx.	L2 Approx.	HP	L3 Max.	Max. Wt. lbs.
25GB07	5	10.12	12.12	3/4	10.62	46
25GB10	7	12.00	14.00	1	11.25	50
25GB15	9	13.88	15.88	1 1/2	11.31	47
25GB20	10	14.81	16.81	2	13.03	67
25GB30	14	18.56	20.56	3	13.03	69

**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.



Goolds Pumps



**ACCESSORIES**

**HOSE**



**AM3-5 – Discharge Hose**  
 $\frac{3}{4}$ " male x  $\frac{3}{4}$ " female, 250 PSI hose, 40 ft. section, flexible.

**AM4 – Suction Hose**  
 $\frac{3}{4}$ " female x  $\frac{3}{4}$ " 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**



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

**AM2-2**



**PIPE ADAPTER**



**AM5-1**  
 $\frac{3}{4}$ " male HT x 1" male NPT hose to pipe adapter, stainless steel. Converts suction and discharge to  $\frac{3}{4}$ " male NPT hose.

**WAND EXTENSION**

**AM13-1 (32")**

Aluminum spray wand extension,  $\frac{1}{4}$ " male x  $\frac{1}{4}$ " female. (Accepts nozzle in one end; other end fits into AM2 pressure gun.)



**NOZZLE ASSORTMENT**



**AM7**  
 Includes one 2 GPM rated 15° nozzle, one 3 GPM rated 15° nozzle and one 3 GPM rated 0° nozzle.

**NOTES**

---

