



60 Hz  
**IRRI-GATOR™**  
**Self-Priming Centrifugal**

**MODEL**

**GT**

**APPLICATIONS**

Specifically designed for the following uses:

- Lawn sprinkling
- Irrigation
- Air conditioning systems
- Heat pumps
- Water transfer
- Dewatering

**SPECIFICATIONS**

**Pump:**

- Pipe connections: 1½" NPT suction, 1½" NPT discharge
- Capacities: to 110 GPM at 5 foot suction lift.
- Heads: to 128 feet.
- Reprime capabilities: to 25 feet suction lift.
- Maximum working pressure: 125 PSIG.
- Maximum water temperature: 140°F (60°C).
- Rotation: clockwise when viewed from motor end.

**Motor:**

- NEMA standard open drip proof.
- 60 Hz, 3500 RPM.
- Stainless steel shaft.
- Single phase: ¾–1½ HP, 115/230 V; 2 and 3 HP, 230 V only. Built-in overload with automatic reset.
- Three phase: 230/460 V. Overload protection must be provided in starter unit. Starter and heaters (3) must be ordered separately.

**FEATURES**

■ **Self-Priming Design:** Once pump is primed it never needs priming again even if water level drops below the end of the suction pipe. Pumping resumes once the water level rises above the end of the suction pipe.

■ **Serviceable:**

- Back pullout design allows disassembly of pump for service without disturbing piping.
- Two compartment motor for easy access to motor wiring and replaceable components.

■ **Diffuser (Guidevane):**

Bolt down diffuser provides positive alignment with impeller. Diffuser also has stainless wear ring for extended performance in abrasive conditions. F.D.A. compliant, injection molded, food grade, glass filled Lexan® for durability and abrasion resistance.

■ **Impeller:** F.D.A. compliant, glass filled Noryl®. Corrosion and abrasion resistant.

■ **Corrosion Resistant:**

Electro-coated paint process is applied inside and out, then baked on.

■ **Casing:** Cast iron construction. 4 bolt, back pull-out design. Tapped openings provided for vacuum gauge and casing drain.

■ **Powered for Continuous Operation:**

Pump ratings are within the motor manufacturer's recommended working limits. Can be operated continuously without damage.

■ **Mechanical Seal:**

Carbon/ceramic faces, BUNA elastomers. 300 series stainless steel metal parts. Exclusive design prevents the seal from running dry.

**MODELS AVAILABLE**

| Model | HP | Phase |
|-------|----|-------|
| GT07  | ¾  | 1     |
| GT10  | 1  |       |
| GT15  | 1½ |       |
| GT20  | 2  |       |
| GT30  | 3  | 3     |
| GT073 | ¾  |       |
| GT103 | 1  |       |
| GT153 | 1½ |       |
| GT203 | 2  |       |
| GT303 | 3  |       |

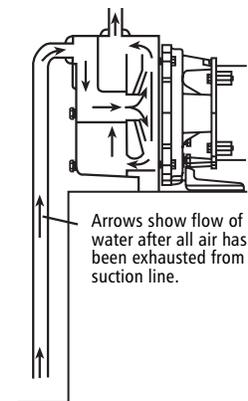
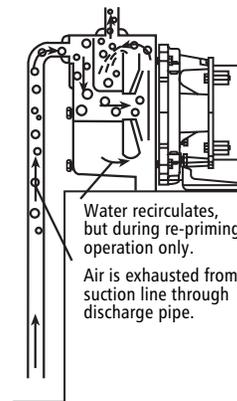
**AGENCY LISTINGS**

 Canadian Standards Association

 Underwriters Laboratories

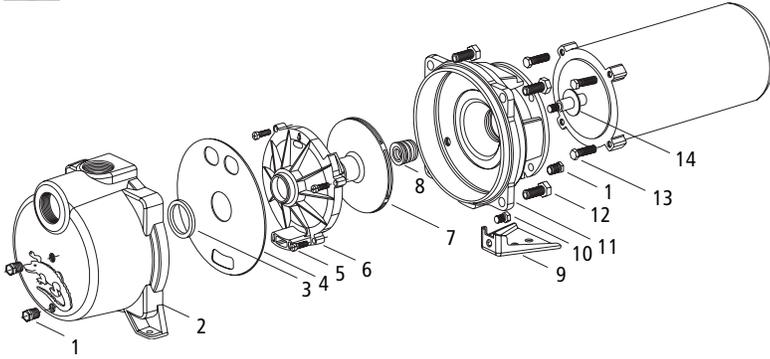
Goulds Pumps is ISO 9001 Registered.

**SELF-PRIMING**



**MODEL**

**GT**



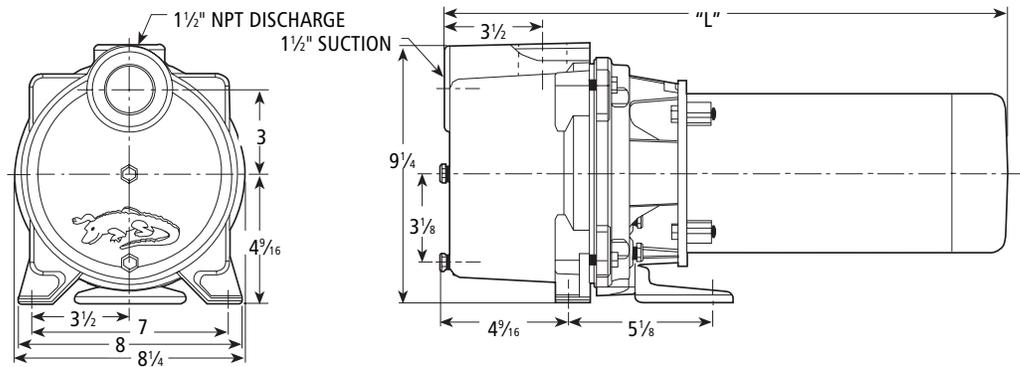
**COMPONENTS**

| Item No. | Description              |
|----------|--------------------------|
| 1        | Plug – ¼" NPT            |
| 2        | Casing                   |
| 3        | Seal ring – diffuser     |
| 4        | Diaphragm                |
| 5        | Machine screw            |
| 6        | Diffuser                 |
| 7        | Impeller                 |
| 8        | Mechanical seal          |
| 9        | Foot                     |
| 10       | Bolt – foot to adapter   |
| 11       | Motor adapter            |
| 12       | Bolt – casing to adapter |
| 13       | Bolt – adapter to motor  |
| 14       | Deflector                |

**DIMENSIONS AND WEIGHTS**

| Model      | GT07   | GT10 | GT15 | GT20 | GT30 | GT073 | GT103 | GT153 | GT203 | GT303 |
|------------|--------|------|------|------|------|-------|-------|-------|-------|-------|
| HP         | ¾      | 1    | 1½   | 2    | 3    | ¾     | 1     | 1½    | 2     | 3     |
| Length "L" | 19¾    | 19¾  | 21¾  | 20¾  | 21½  | 19    | 19¾   | 20¾   | 20¾   | 21¾   |
| Width      | 8¼     |      |      |      |      |       |       |       |       |       |
| Height     | 9¼     |      |      |      |      |       |       |       |       |       |
| Wt. (lbs.) | 48     | 52   | 60   | 65   | 76   | 49    | 52    | 55    | 69    | 71    |
| Phase      | Single |      |      |      |      | Three |       |       |       |       |

(All dimensions are in inches and weights in lbs. Do not use for construction purposes.)

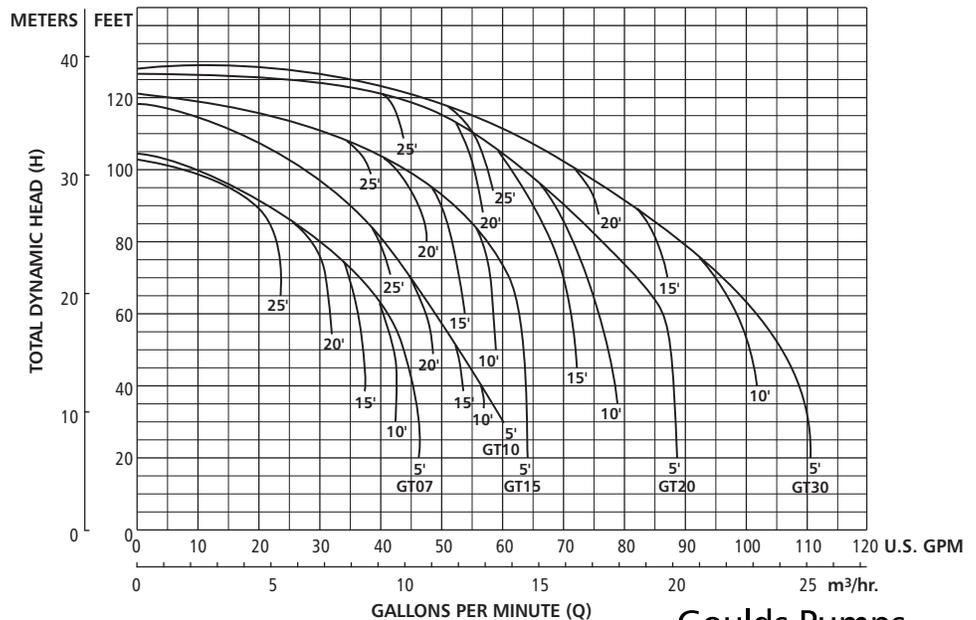


**PERFORMANCE RATINGS**

| Model          | PSI Disch. Pressure | Suction Lift in Feet |     |    |    |    |
|----------------|---------------------|----------------------|-----|----|----|----|
|                |                     | 5                    | 10  | 15 | 20 | 25 |
| GT07/<br>GT073 | 20                  | 44                   | 41  | 36 | 31 | 24 |
|                | 30                  | 34                   | 31  | 26 | 22 | 14 |
|                | 40                  | 10                   | 4   | 0  | 0  | 0  |
| GT10/<br>GT103 | 20                  | 53                   | 51  | 49 | 46 | 41 |
|                | 30                  | 43                   | 41  | 38 | 36 | 32 |
|                | 40                  | 29                   | 22  | 16 | 8  | 0  |
| GT15/<br>GT153 | 20                  | 63                   | 59  | 54 | 49 | 39 |
|                | 30                  | 60                   | 55  | 51 | 46 | 37 |
|                | 40                  | 45                   | 38  | 33 | 20 | 14 |
| GT20/<br>GT203 | 20                  | 86                   | 77  | 70 | 59 | 46 |
|                | 30                  | 80                   | 72  | 67 | 57 | 44 |
|                | 40                  | 65                   | 60  | 57 | 50 | 43 |
| GT30/<br>GT303 | 20                  | 105                  | 100 | 88 | 76 | 60 |
|                | 30                  | 92                   | 90  | 84 | 75 | 57 |
|                | 40                  | 73                   | 67  | 62 | 55 | 50 |

Performance ratings are in GPM.

**PERFORMANCE CURVE**



Single and three phase have same performance.