Authorized distributor
miamipumpandsupply.com · 844-MIA-PUMP (642-7867)

xylem
Let's Solve Water

TECHNICAL BROCHURE
BGT R7



GT IRRI-GATOR®

SELF-PRIMING CENTRIFUGAL PUMPS – 60 HZ

GOULDS
WATER TECHNOLOGY
a xylem brand

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FEATURES

Self-Priming Design: Once pump is initially primed, filled with water, it will reprime when the water level rises above the end of the suction pipe.

Easy Servicability:

- 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. FDA compliant, injection molded, glass-filled engineered composite for durability and abrasion resistance.

Corrosion Resistant: Electrocoat paint process is applied inside and out, then baked on.

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 water temperature: 140° F (60° C)
- Maximum working pressure: 125 psi
- 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.
- Optional TEFC motors are available. See price book for order numbers.

Options:

- Add a "B" suffix for a silicon brass impeller, ex. GT07B
- Add an "S" suffix for an extended (higher) base.

Impeller: **Standard** - glass-filled, abrasion resistant engineered composite
Optional - Silicon brass is available (lead content is < .05%)

Casing: Cast iron, 4-bolt, back pullout design. Openings 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. Diaphragm prevents the seal from running dry.

AGENCY LISTINGS

Canadian Standards Association

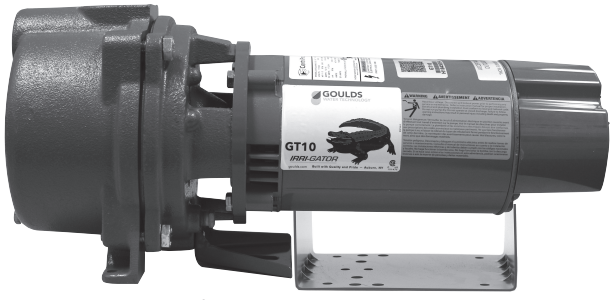
Class 6853 01 - Low Lead Content Certification

Suitable for outdoor use

STANDARD ODP MODELS

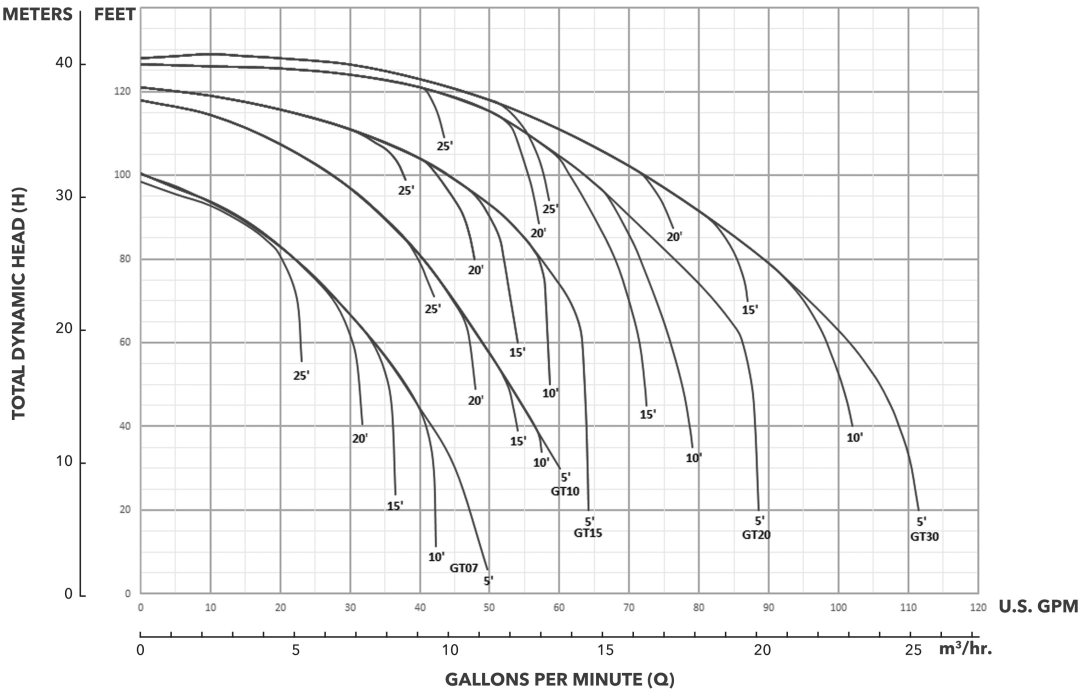
Model	HP	Phase
GT07	¾	1
GT10	1	
GT15	1½	
GT20	2	
GT30	3	
GT073	¾	3
GT103	1	
GT153	1½	
GT203	2	
GT303	3	

Add on "S" suffix for extended base. See back page.



GT – – S with optional tall base

PERFROMANCE CURVE



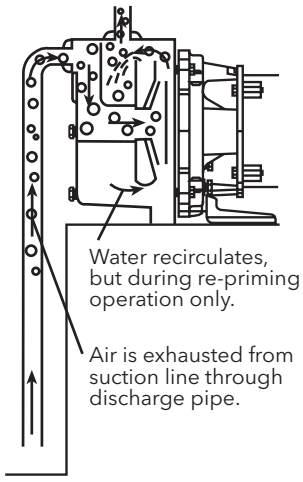
Single and three phase have same performance.

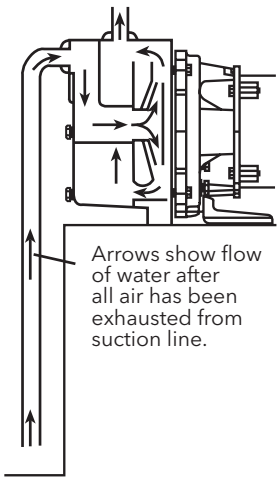
PERFORMANCE RATINGS

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

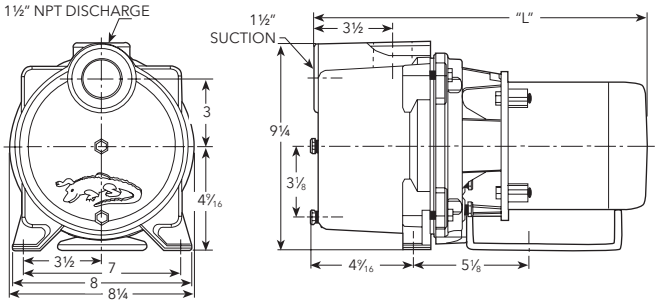
Performance ratings are in GPM.

SELF-PRIMING (AFTER INITIAL PRIME)①





DIMENSIONS



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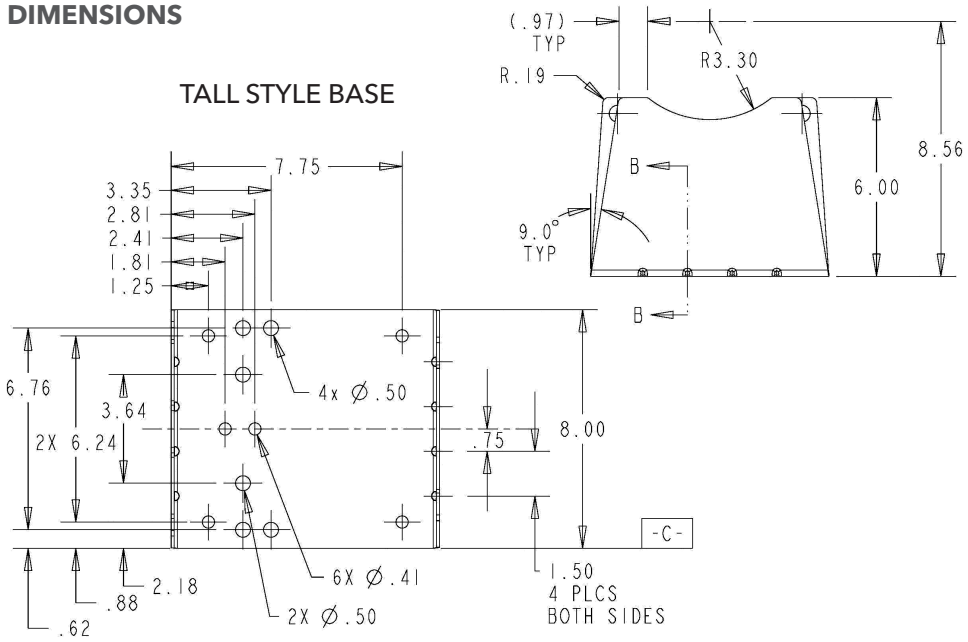
BASE DIMENSIONS AND WEIGHTS

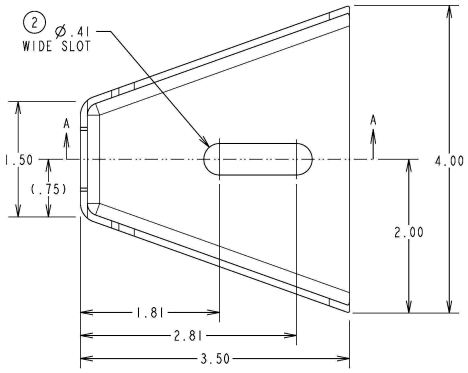
Model	GT07	GT10	GT15	GT20	GT30	GT073	GT103	GT153	GT203	GT303
HP	¾	1	1½	2	3	¾	1	1½	2	3
Length "L"	19 3/16	19 7/8	21 3/16	20 31/32	21 11/32	19	19 3/4	20 1/16	20 13/16	21 3/16
Width	8¼									
Height	9¼ (13¼ with "S" Base)									
Weight (lbs.)	48	52	60	65	76	49	52	55	69	71
Phase	Single					Three				

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

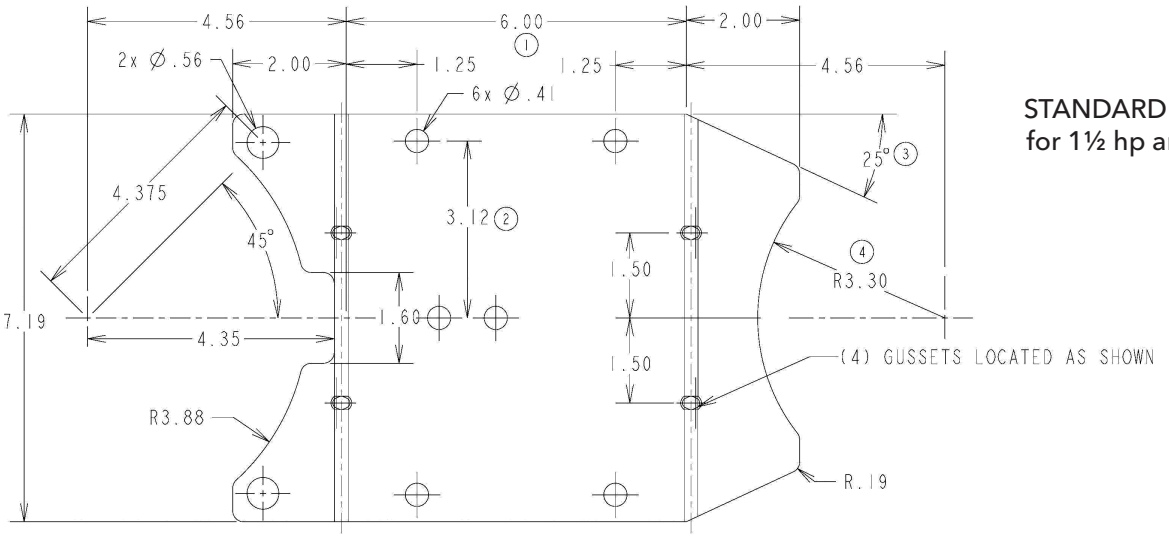
DIMENSIONS

TALL STYLE BASE





STANDARD BASE
for ¾ and 1 hp



SCALE 1:2

STANDARD BASE
for 1½ hp and up

xylem
Let's Solve Water

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