

## TECHNICAL DATA

### PERFECTA® Series MODEL TIGF32-Single Phase, 50Hz SUBMERSIBLE PUMP

#### GENERAL DATA

MAX. FLOW: GPM (L/min)	38 GPM (144 L/min)
MAX. HEAD: ft (m)	26.2' (8 m)
MAX. SUBMERSION DEPTH: ft (m)	33' (10 m) or limited to length of power cord
PUMP TYPE	TOP or SIDE DISCHARGE, CHEMICAL RESISTANT
STRAINER OPENING	0.25" (6.35 mm)
PUMP DOWN WATER LEVEL: in (mm)	3.35" (85 mm), for pump with Float Switch
IMPELLER DIAMETER: in (mm)	3.54" (90 mm)
DISCHARGE CONNECTION	1 ¼" NPT-FEMALE or 1 ½" TAPERED HOSE
PUMP NET WEIGHT: lbs (kg)	14.55 lbs (6.6 kg), 14.22 lbs (6.45 kg) *
SHIPPING WEIGHT: lbs (kg)	18.08 lbs (8.2 kg), 17.86 lbs (8.1 kg) *

#### CONSTRUCTION/MATERIAL DATA

LIP SEAL - UPPER	FKM
LIP SEAL - LOWER	FKM
O-RINGS	FKM
O-RINGS - MOTOR HOUSING	FKM
PUMP TOP COVER	Ultramid B3 WG 7
PUMP HANDLE	PP (Polypropylene)
PUMP CASING	NORYL GTX830 with 30% glass reinforcement
IMPELLER – MULTI VANE	NORYL GTX830
SUCTION COVER PLATE	NORYL GTX830
STRAINER	PPO-PA (Polyphenylene Oxide)
FLOAT	Float Switch Body - Hostalen PPH 7350 FL (polypropylene basis) Float Switch Cord- SOOW with Super Vu-Tron Jacket
ROTOR SHAFT	TITANIUM
EXTERNAL HARDWARE	TITANIUM
QTY. OIL IN MOTOR	15 U.S. FL. OZ. (443 C.C.)
BALL BEARING: PERM. LUBE. UPPER	6001
BALL BEARING: PERM. LUBE. LOWER	6002

#### ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 0.4
MOTOR RPM	3450
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE <sup>1</sup>	220, 1 PH, 50 Hz
CURRENT F.L.A.	2.4
MOTOR PROTECTION	Overload Relay, 2.5 Amp
POWER CORD: GAGE; LENGTH	A.W.G.16/3; 22' (6.7m), SOOW (Super Vu-Tron Jacket)
MAXIMUM LIQUID TEMPERATURE	135°F (57°C) - Continuous duty 195°F (90°C) - Intermittent use submerge less than 20 minutes
LEVEL CONTROL FLOAT SWITCH <sup>2</sup>	STANDARD

1- Available in other voltages (and in 60 Hz), 2- Float Switch-Optional

\* Pump/Shipping Weight without Float Switch

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# PERFORMANCE CURVE

Perfecta 0.3 kW(0.4 HP)

Dwg:

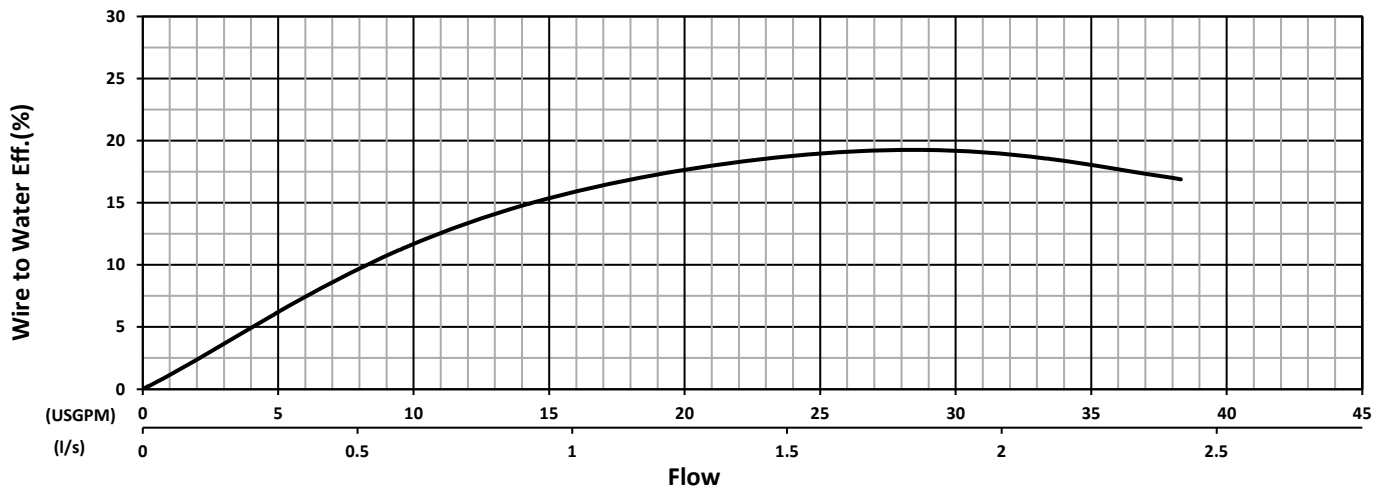
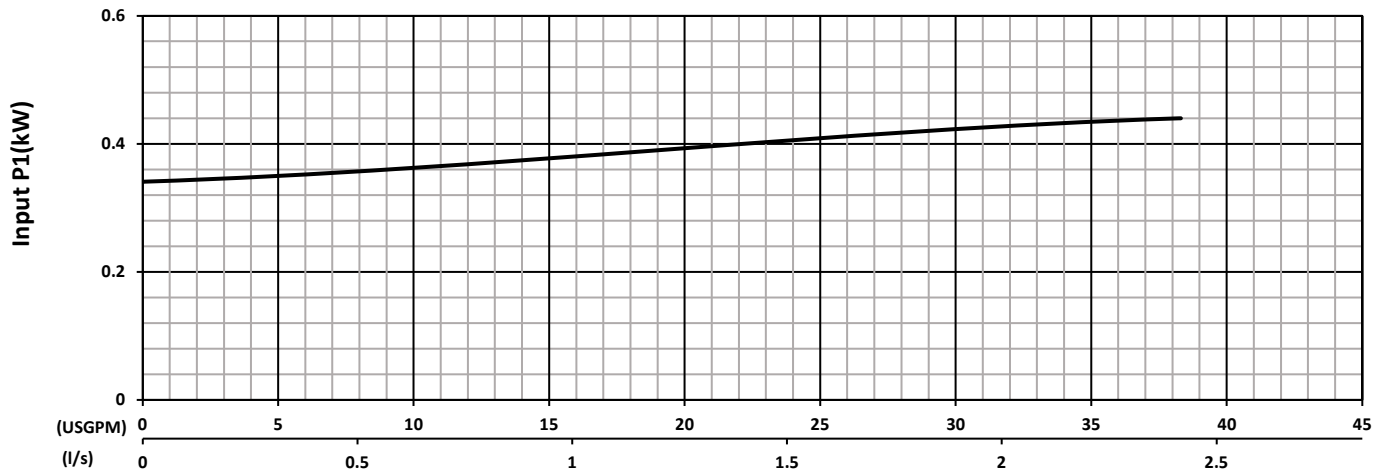
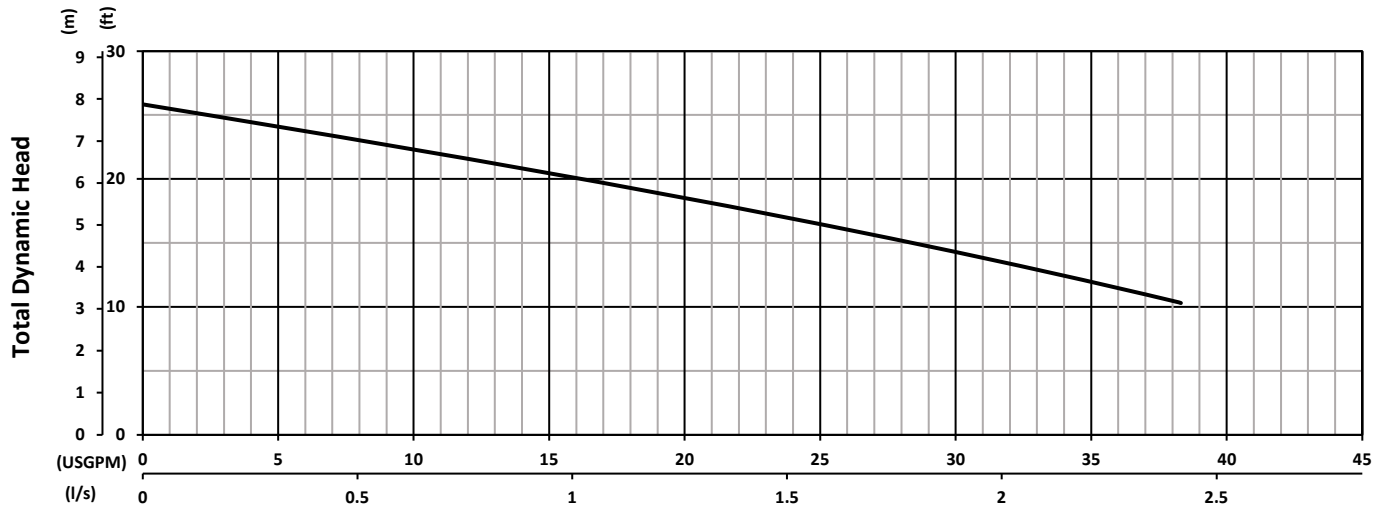
DS-C37-002

Rev:

1

Date:

2/16/2023



Test Standard : HI 11.6 Gr 3B  
 Tested with water at 20°C

0.3 kW(0.4 HP) - Dual Units

Frequency 50 Hz  
 Pump Speed 2800 RPM  
 Impeller 93mm

Specifications subject to change without notice