

## TECHNICAL DATA

### PERFECTA® Series MODEL IGF32-Single Phase, 50Hz UBMERSIBLE 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)	14.77 lbs (6.7 kg), 14.33 lbs (6.5 kg) *
SHIPPING WEIGHT: lbs (kg)	18.52 lbs (8.4 kg), 18.08 lbs (8.2 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- SJOOW with Neoprene Jacket
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
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), SJOOW (Neoprene 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

©2020 Industrial Flow Solutions Operating, LLC. All rights reserved.

104 John W Murphy Drive  
 New Haven, CT 0613, USA  
 Tel: (860) 631-3618 - Fax: (860) 399-7784

### PERFECTA® Pump Performance Curves - 220V/50Hz/Single Phase

Duty Point				Pump Data			
Flow (GPM)	16.65	Speed (RPM)	2850	Model	Perfecta	HP	0.40
Head (ft)	16.5	S.G.	1.00	Imp. Type	Semi-Open	Phase	1
HI 11-6a gr.	3B	Visc.	1.00	∅ (mm)	90	Voltage	220
Head Range (ft)	22 - 11	Efficiency (%)	12	Freq. (Hz)	50	FLA	2.4

