

TECHNICAL DATA

PERFECTA® Series MODEL GF32- Single Phase, 50Hz SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW	38 GPM (144 L/min)
MAX. HEAD	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)
SHIPPING WEIGHT: lbs (kg)	18.52 lbs (8.4 kg)

CONSTRUCTION/MATERIAL DATA

LIP SEAL - UPPER	FKM
LIP SEAL - LOWER	BUNA-N
O-RINGS	BUNA-N
O-RINGS - MOTOR HOUSING	BUNA-N
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	304 SS
EXTERNAL HARDWARE	304 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	2800
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE ¹	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	STANDARD

1- Available in other voltages (and in 60 Hz)

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



PERFORMANCE CURVE

Perfecta 0.3 kW(0.4 HP)

Dwg:

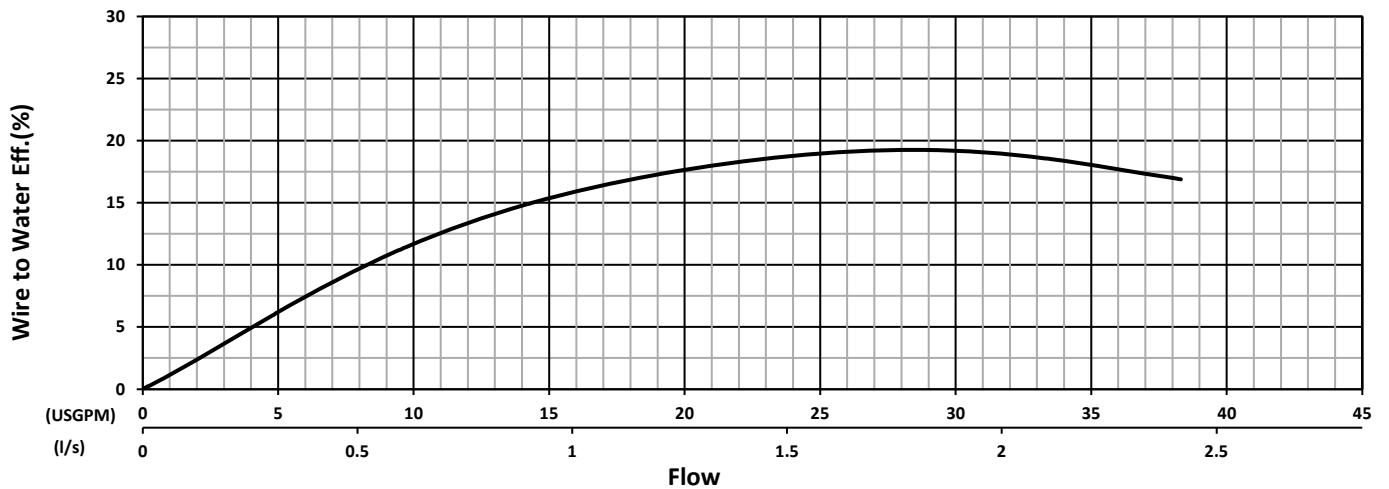
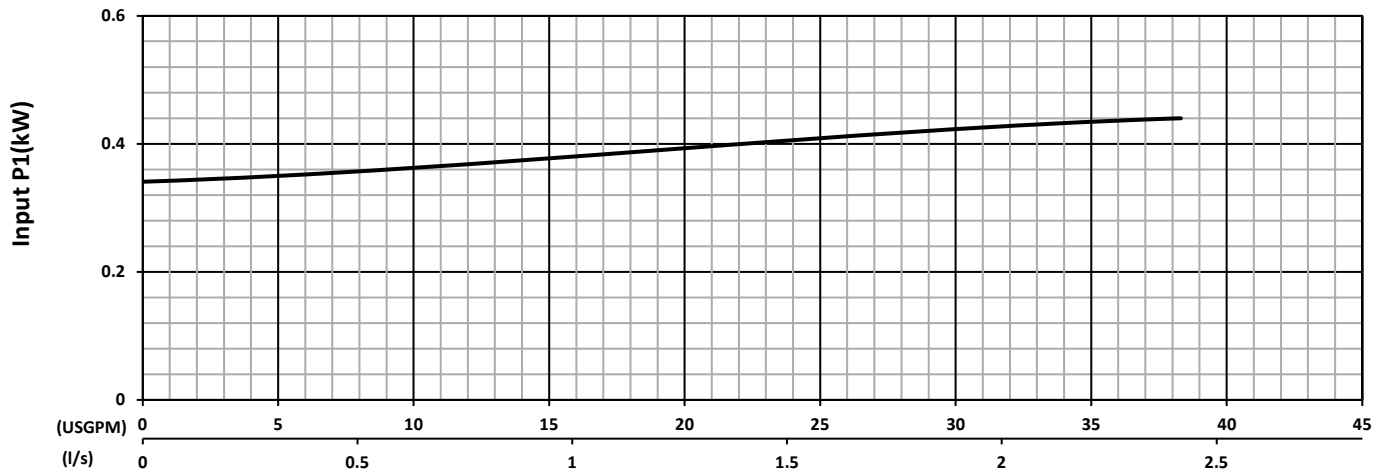
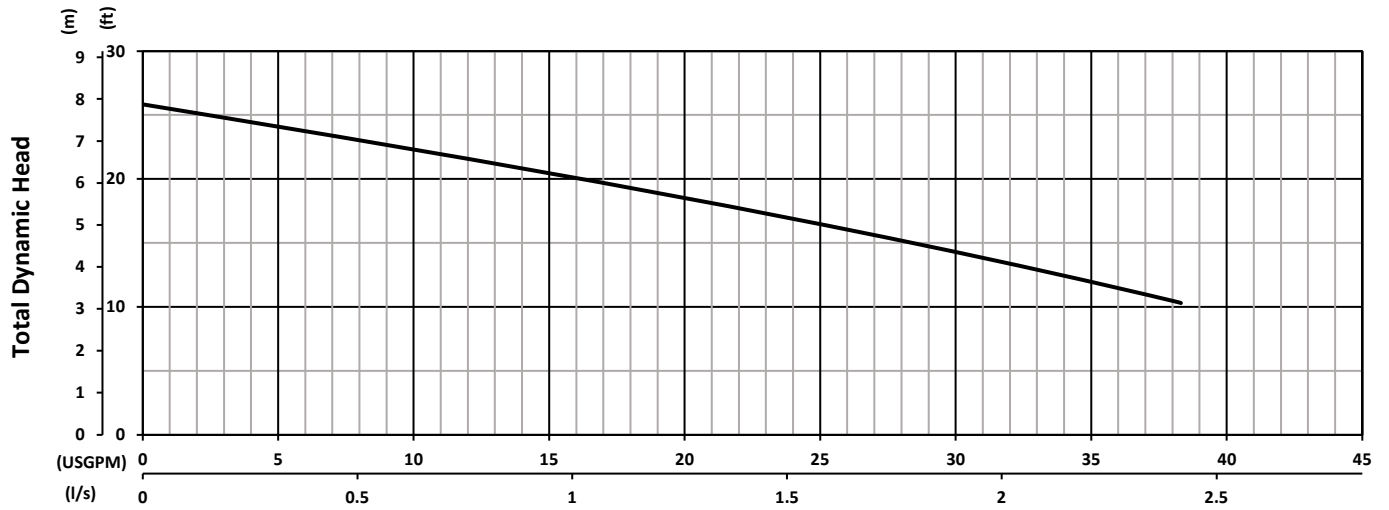
DS-C37-002

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

TECHNICAL DATA

PERFECTA® Series MODEL GF32-Single Phase, 60Hz SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW: GPM (L/min)	46 GPM (174 L/min)
MAX. HEAD: ft (m)	27' (8.2 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)	3.15" (80 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	BUNA-N
O-RINGS	BUNA-N
O-RINGS - MOTOR HOUSING	BUNA-N
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	304 SS
EXTERNAL HARDWARE	304 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 ¹	115, 1 PH, 60 Hz
CURRENT F.L.A.	5
MOTOR PROTECTION	Overload Relay, 6 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 ²	STANDARD

1-Available in other voltages (and in 50 Hz), 2-Float Switch-Optional

* Pump/Shipping Weight without Float Switch

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PERFORMANCE CURVE

Perfecta 0.3kW(0.4 HP)

Dwg:

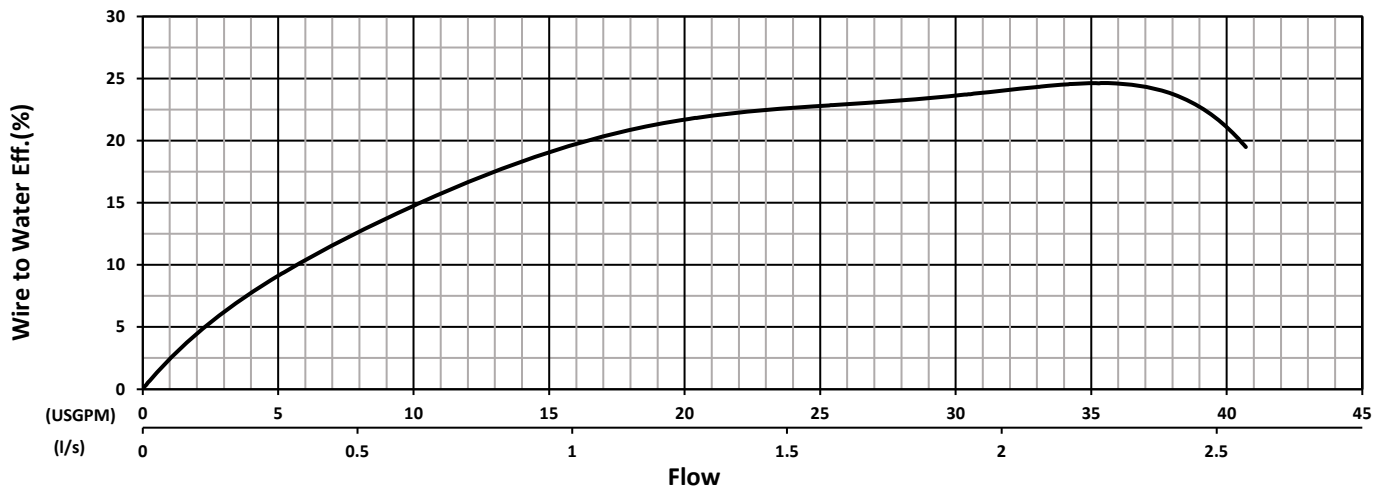
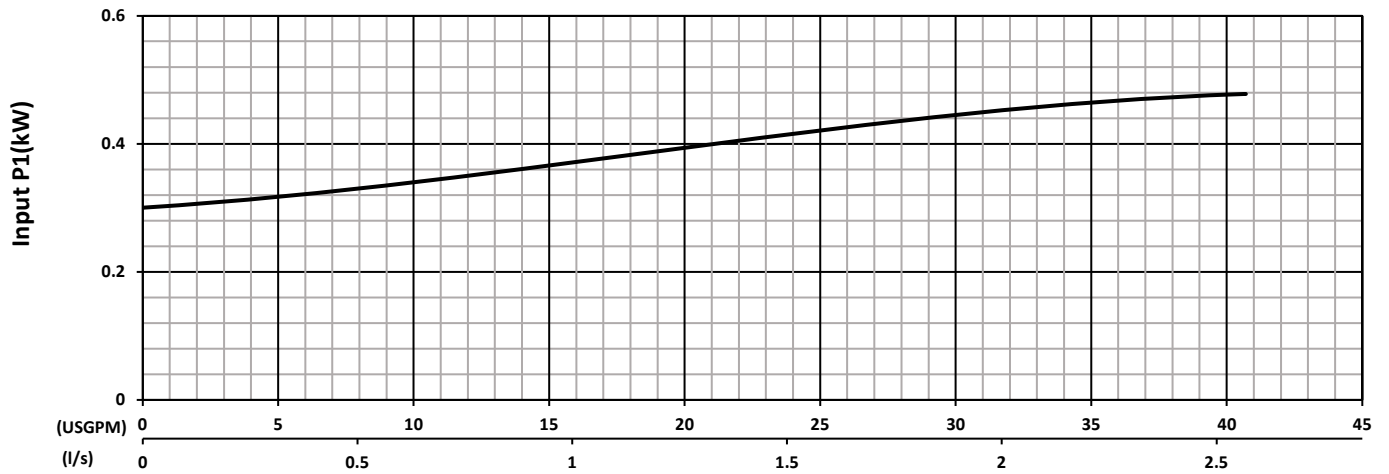
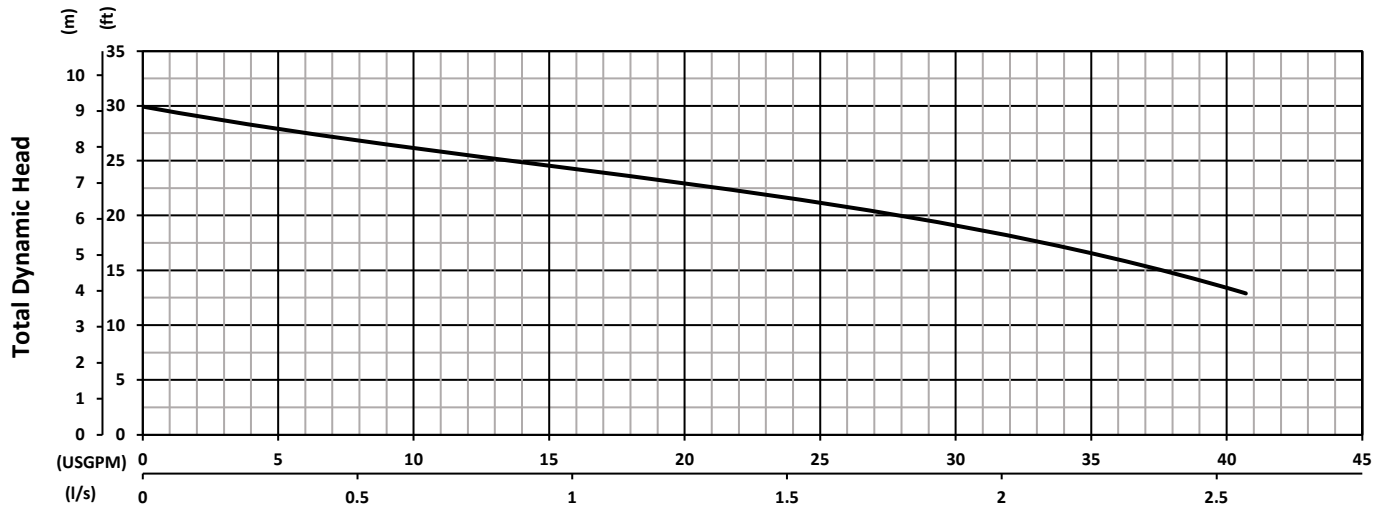
DS-C37-001

Rev:

1

Date:

2/16/2023



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

0.3kW(0.4 HP) - Dual Units

Frequency 60 Hz
 Pump Speed 3450 RPM
 Impeller 82mm

Specifications subject to change without notice

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 ¹	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 ²	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)

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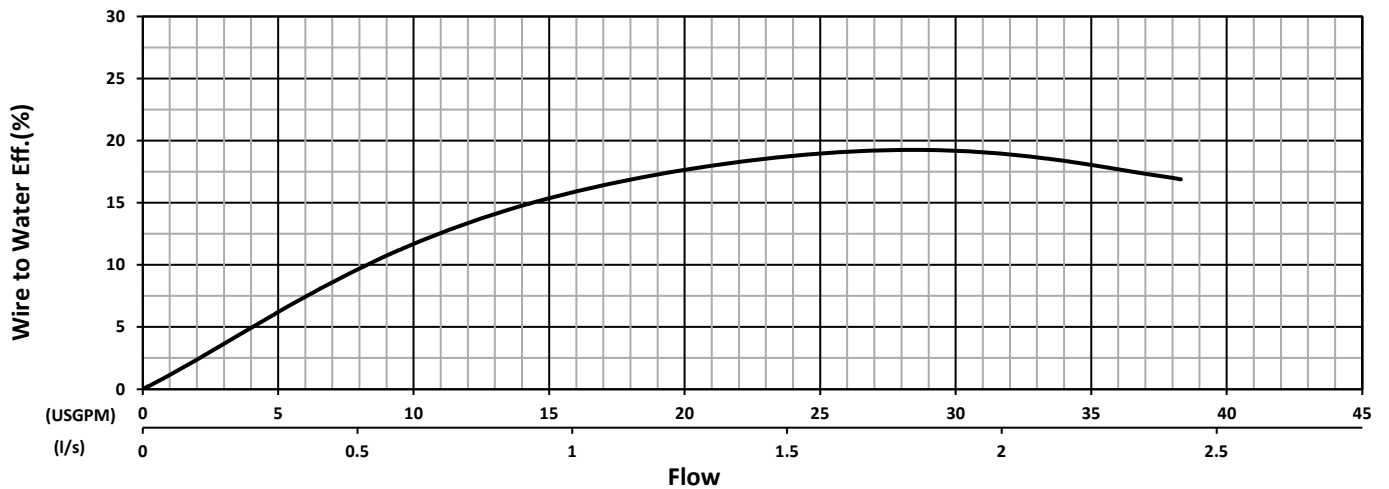
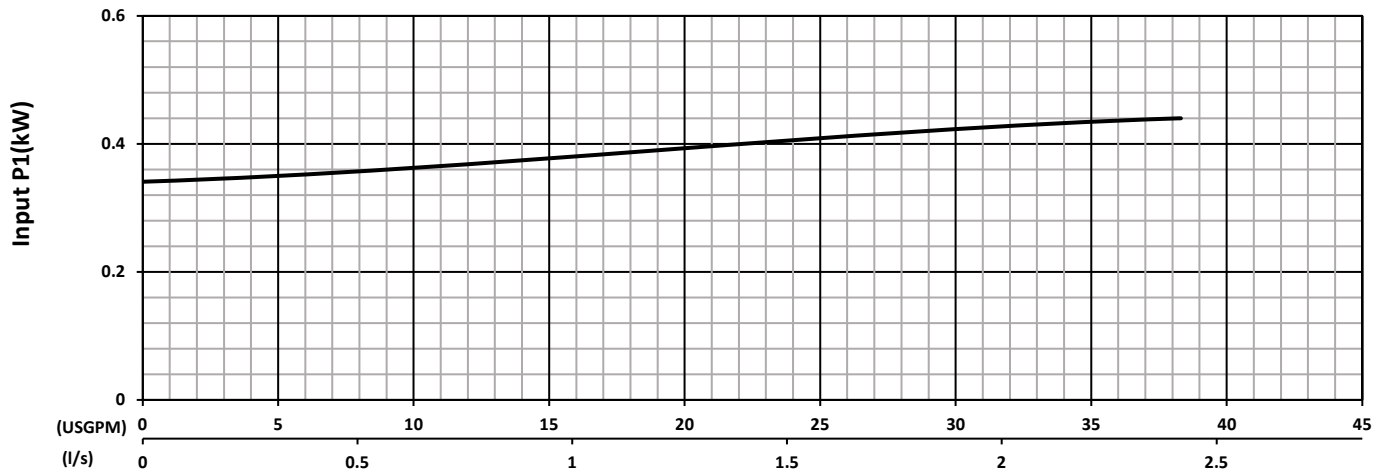
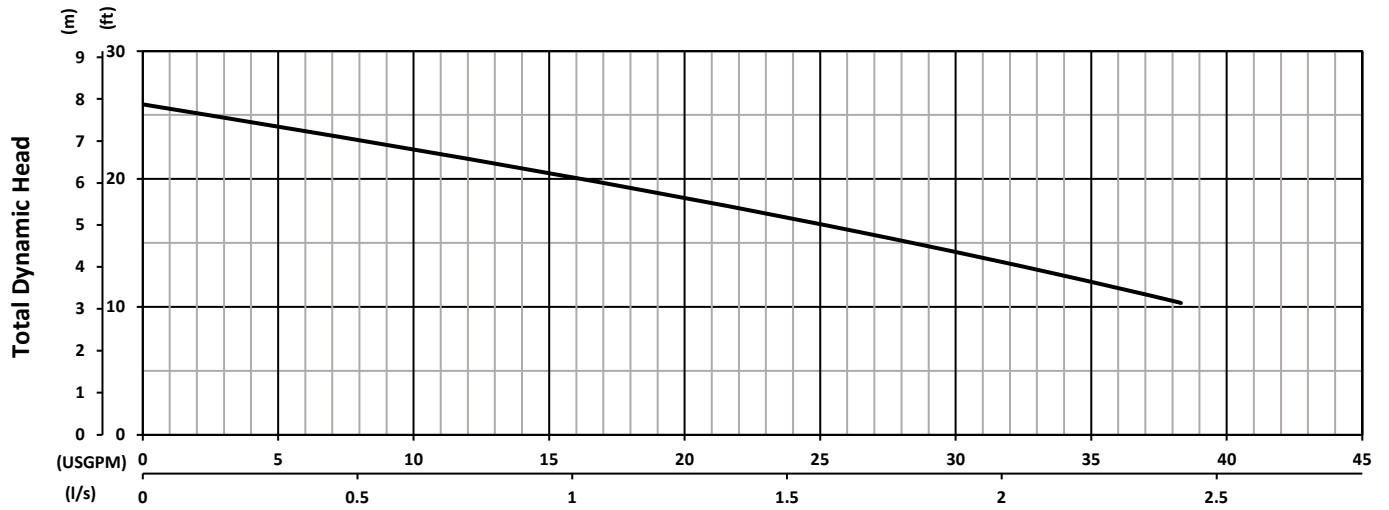
DS-C37-002

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

TECHNICAL DATA

PERFECTA® Series MODEL IGF32-Single Phase, 60Hz BJM SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW: GPM (L/min)	46 GPM (174 L/min)
MAX. HEAD: ft (m)	27' (8.2 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)	3.15" (80 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 ¹	FKM or EPDM
LIP SEAL - LOWER ¹	FKM or EPDM
O-RINGS ¹	FKM or EPDM
O-RINGS - MOTOR HOUSING ¹	FKM or EPDM
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 ²	115, 1 PH, 60 Hz
CURRENT F.L.A.	5
MOTOR PROTECTION	Overload Relay, 6 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 ³	STANDARD

1- As per Pump Model, 2- Available in other voltages (and in 50 Hz), 3- Float Switch-Optional

* Pump/Shipping Weight without Float Switch

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PERFORMANCE CURVE

Perfecta 0.3kW(0.4 HP)

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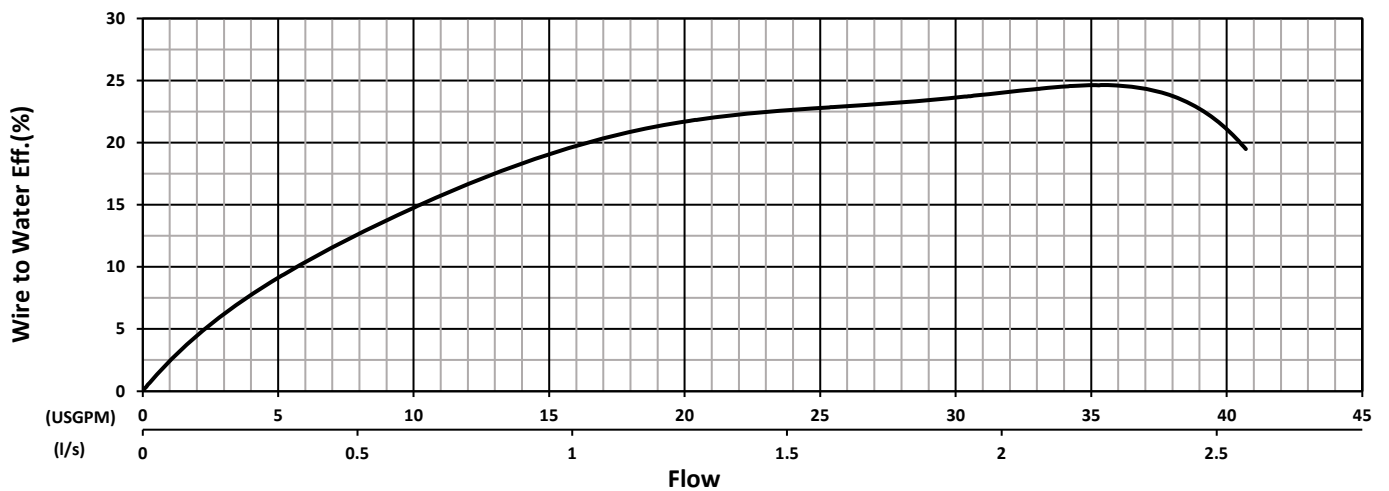
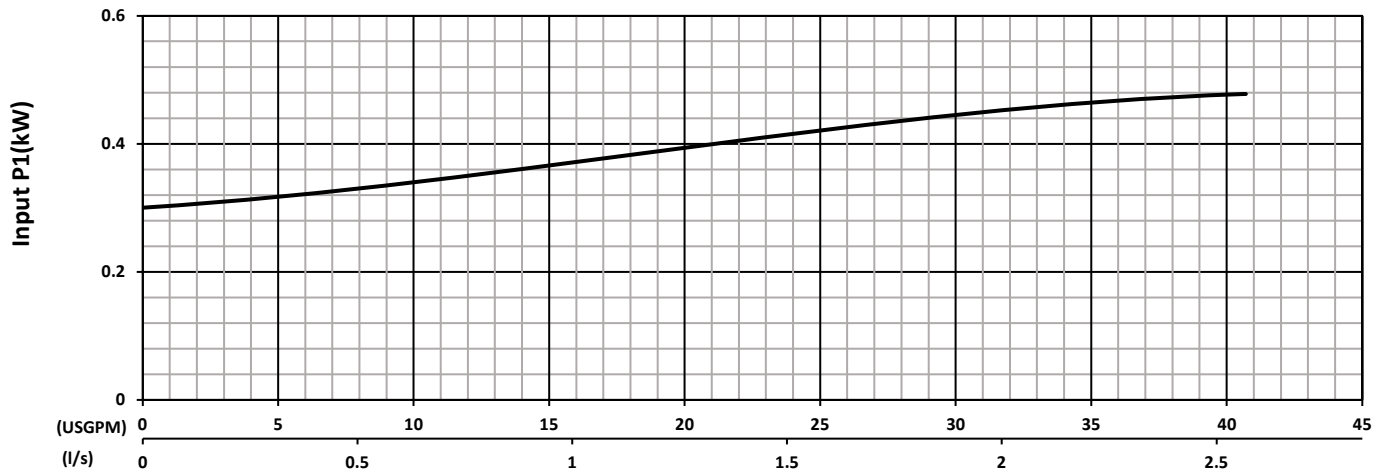
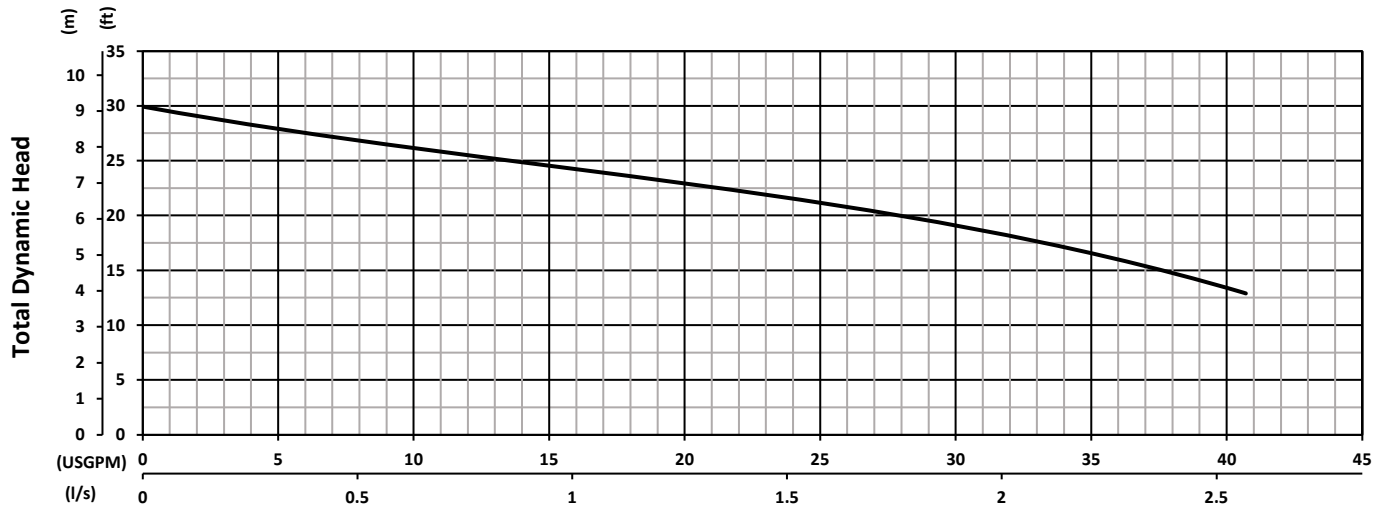
DS-C37-001

Rev:

1

Date:

2/16/2023



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

0.3kW(0.4 HP) - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 82mm

Specifications subject to change without notice

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 ¹	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 ²	STANDARD

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

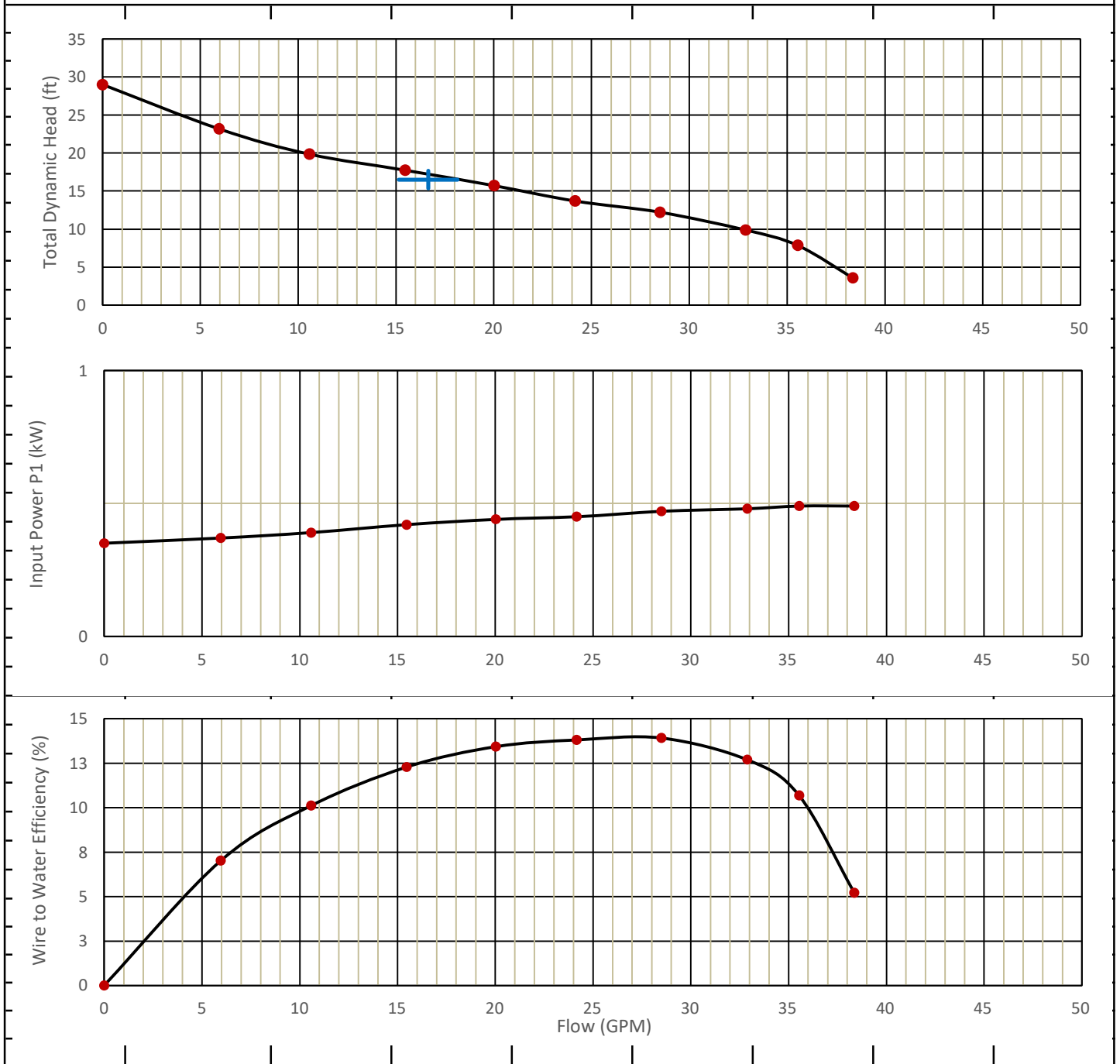
* Pump/Shipping Weight without Float Switch

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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



TECHNICAL DATA

PERFECTA® Series MODEL IGF32-Three Phase, 60Hz SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW: GPM (L/min)	46 GPM (174 L/min)
MAX. HEAD: ft (m)	27' (8.2 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)	3.15" (80 mm)
DISCHARGE CONNECTION	1 ¼" NPT-FEMALE or 1 ½" TAPERED HOSE
PUMP NET WEIGHT: lbs (kg)	17.64 lbs (8.0 kg)
SHIPPING WEIGHT: lbs (kg)	27.00 lbs (12.25 kg) *

CONSTRUCTION/MATERIAL DATA

LIP SEAL - UPPER ¹	FKM or EPDM
LIP SEAL - LOWER ¹	FKM or EPDM
O-RINGS ¹	FKM or EPDM
O-RINGS - MOTOR HOUSING ¹	FKM or EPDM
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 ²	230, 3 PH, 60Hz	460, 3 PH, 60Hz
CURRENT F.L.A. / Connections	2.1 / Delta	1.3 / Star
MOTOR PROTECTION	Overload Relay, 1.8-2.5 Amp	Overload Relay, 1.1-1.6 Amp
POWER CORD: GAGE; LENGTH	A.W.G.16/4; 22' (6.7m), SJOOW (Neoprene Jacket)	
Float Switch + Overload Control Cable	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	STANDARD	

1- As per Pump Model, 2- Available in other voltages (and in 50 Hz),

* Pump Shipping Weight with Panel Box

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PERFORMANCE CURVE

Perfecta 0.3kW(0.4 HP)

Dwg:

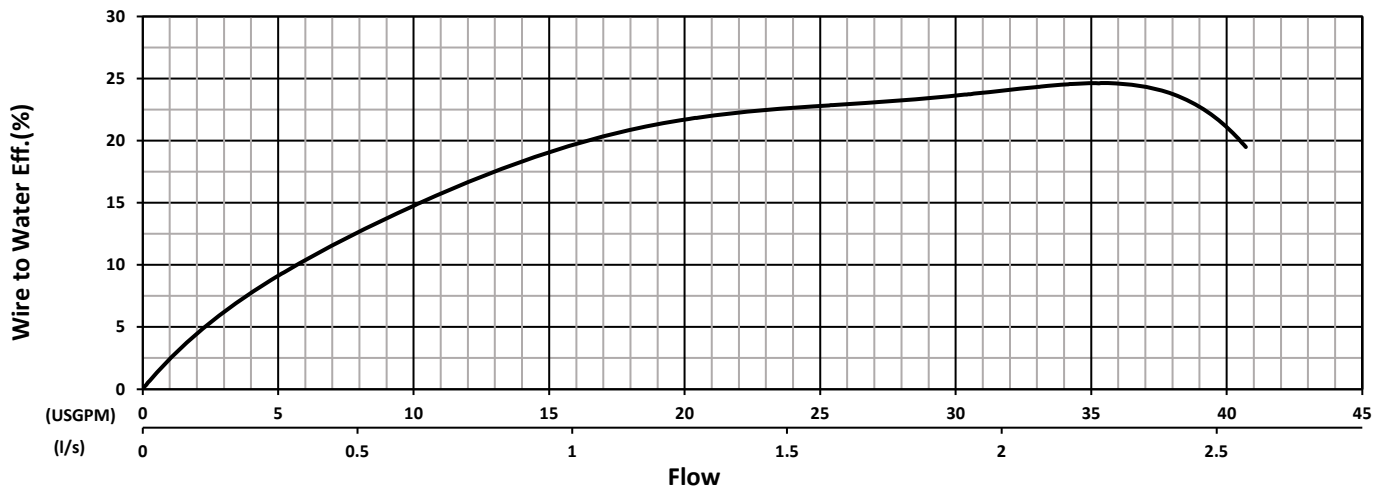
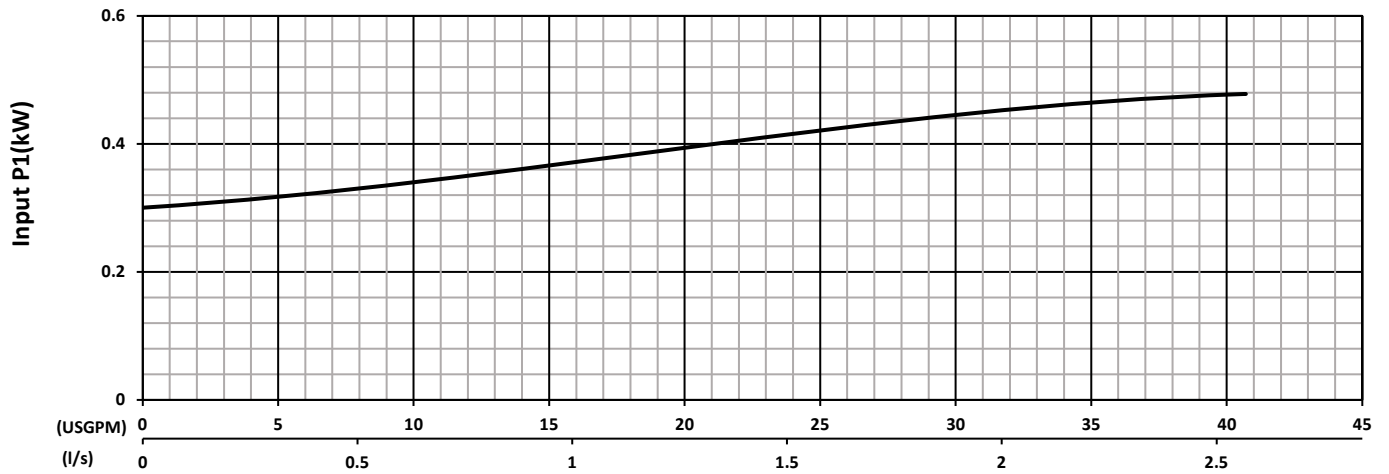
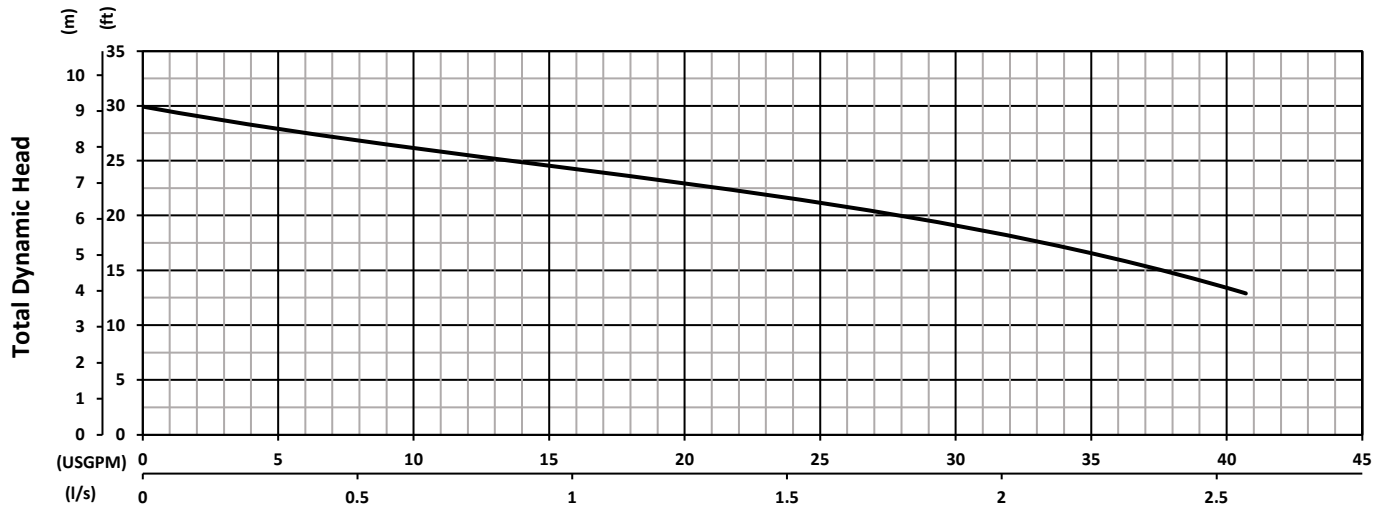
DS-C37-001

Rev:

1

Date:

2/16/2023



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

0.3kW(0.4 HP) - Dual Units

Frequency 60 Hz
 Pump Speed 3450 RPM
 Impeller 82mm

Specifications subject to change without notice

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 ¹	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 ²	STANDARD

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

* Pump/Shipping Weight without Float Switch

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104 John W Murphy Drive
 New Haven, CT 0613, USA

Tel: (860) 631-3618 - Fax: (860) 399-7784



PERFORMANCE CURVE

Perfecta 0.3 kW(0.4 HP)

Dwg:

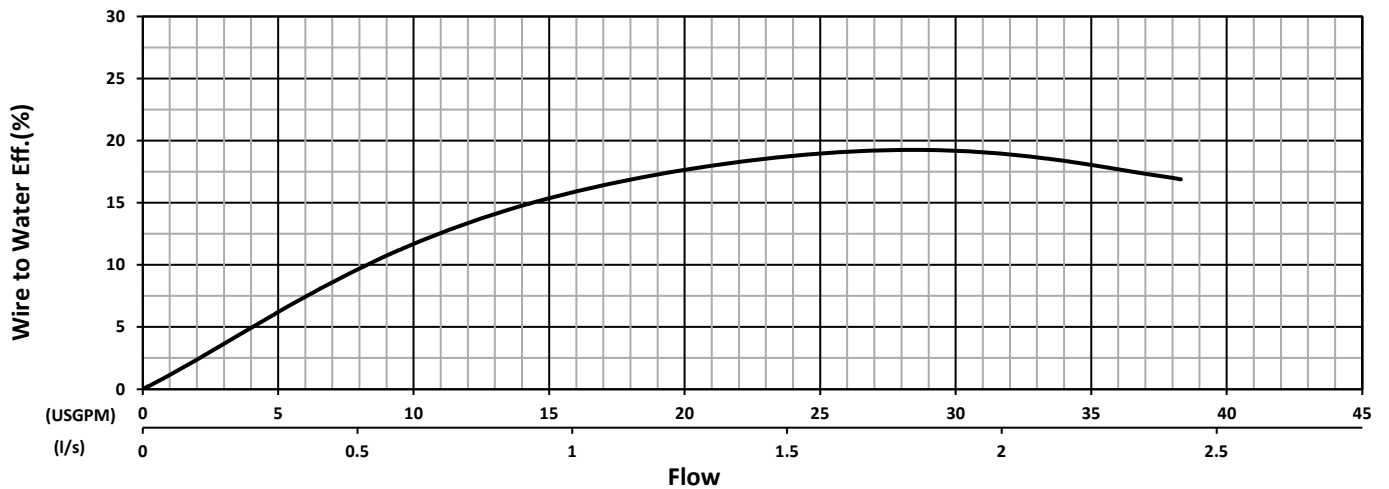
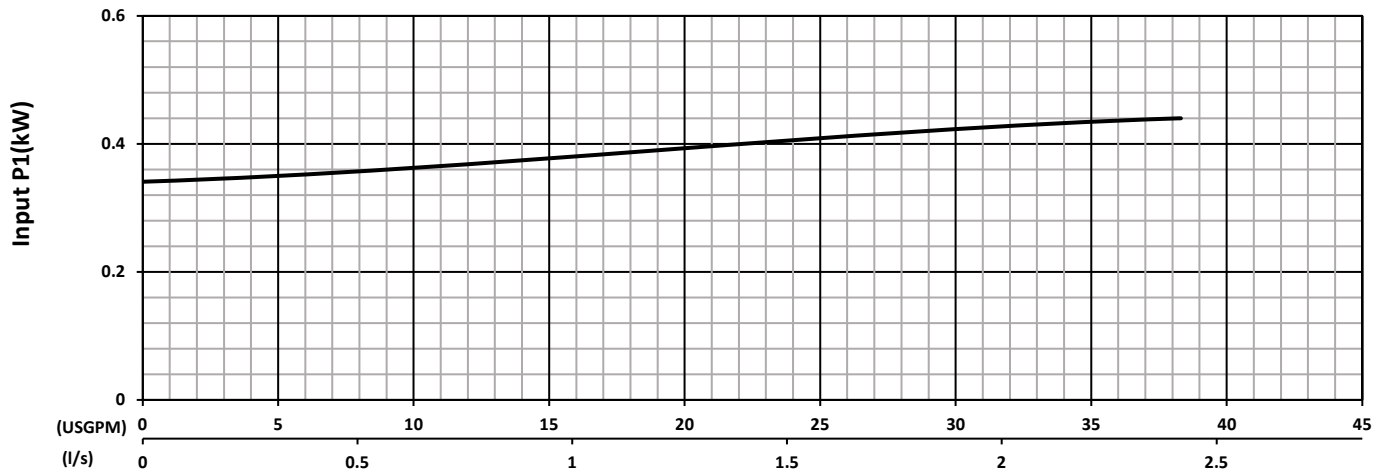
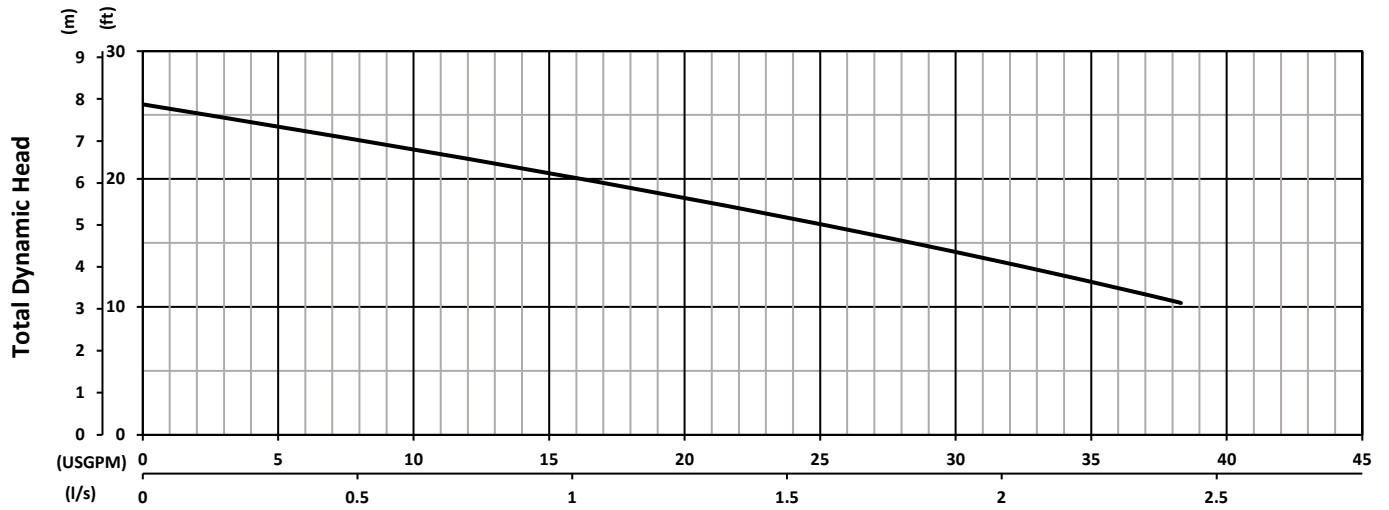
DS-C37-002

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

TECHNICAL DATA

PERFECTA® Series MODEL TIGF32-Single Phase, 60Hz SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW: GPM (L/min)	46 GPM (174 L/min)
MAX. HEAD: ft (m)	27' (8.2 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)	3.15" (80 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 ¹	FKM or EPDM
LIP SEAL - LOWER ¹	FKM or EPDM
O-RINGS ¹	FKM or EPDM
O-RINGS - MOTOR HOUSING ¹	FKM or EPDM
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 ²	115, 1 PH, 60 Hz
CURRENT F.L.A.	5
MOTOR PROTECTION	Overload Relay, 6 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 ³	STANDARD

1- As per Pump Model, 2- Available in other voltages (and in 50 Hz), 3- Float Switch-Optional

* Pump/Shipping Weight without Float Switch

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PERFORMANCE CURVE

Perfecta 0.3kW(0.4 HP)

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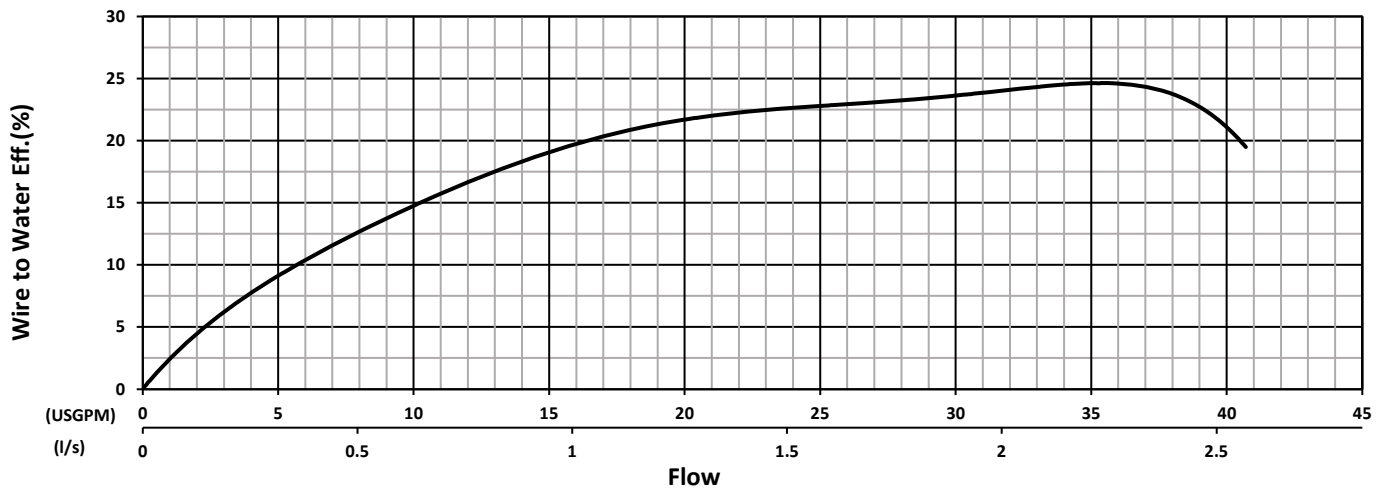
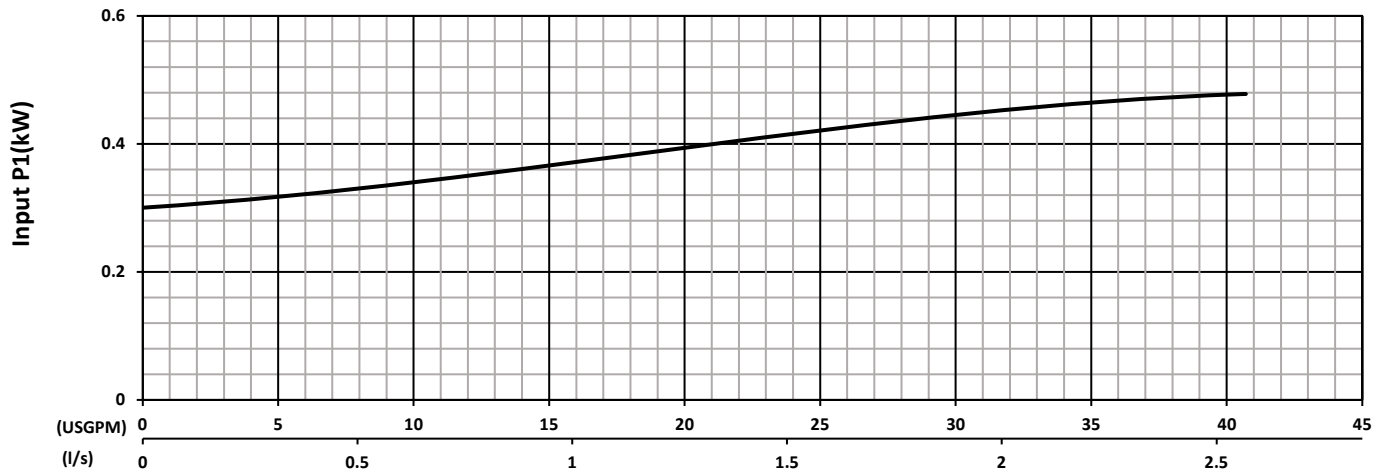
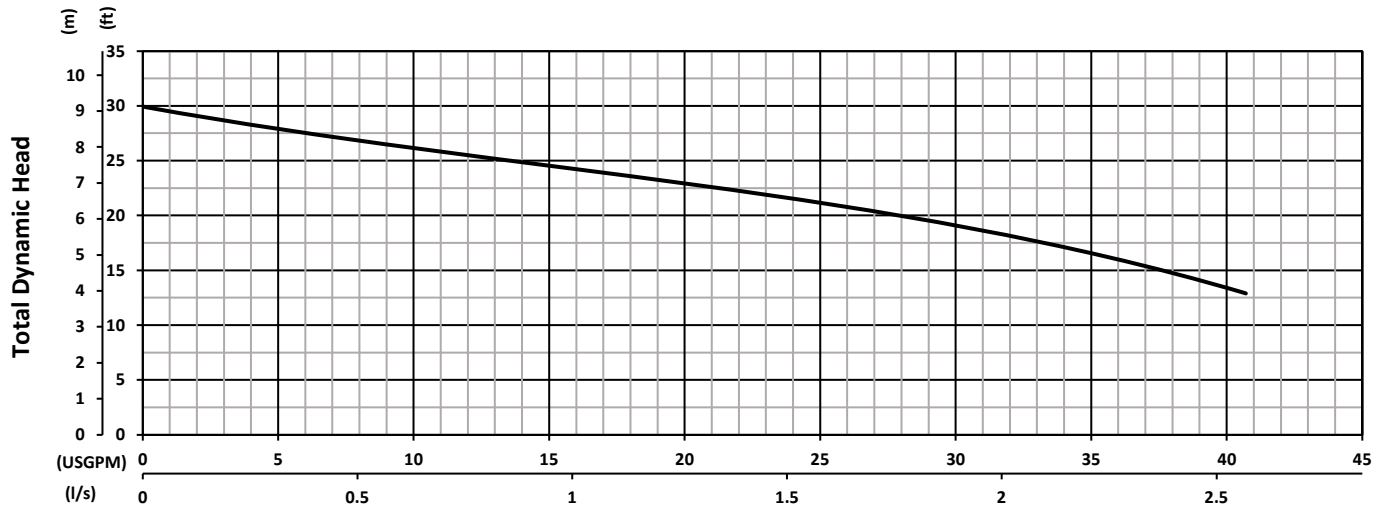
DS-C37-001

Rev:

1

Date:

2/16/2023



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

0.3kW(0.4 HP) - Dual Units

Frequency 60 Hz
 Pump Speed 3450 RPM
 Impeller 82mm

Specifications subject to change without notice

TECHNICAL DATA

PERFECTA® Series MODEL TIGF32-Three 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)	17.42 lbs (7.9 kg)
SHIPPING WEIGHT: lbs (kg)	26.72 lbs (12.12 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 ¹	415, 3 PH, 50Hz
CURRENT F.L.A. / Connections	1.2 / Star
MOTOR PROTECTION	Overload Relay, 1.5-2.5 Amp
POWER CORD: GAGE; LENGTH	A.W.G.16/4; 22' (6.7m), SOOW (Super Vu-Tron Jacket)
Float Switch + Overload Control Cable	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	STANDARD

1- Available in other voltages (and in 60 Hz), * Pump Shipping Weight with Panel Box

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PERFORMANCE CURVE

Perfecta 0.3 kW(0.4 HP)

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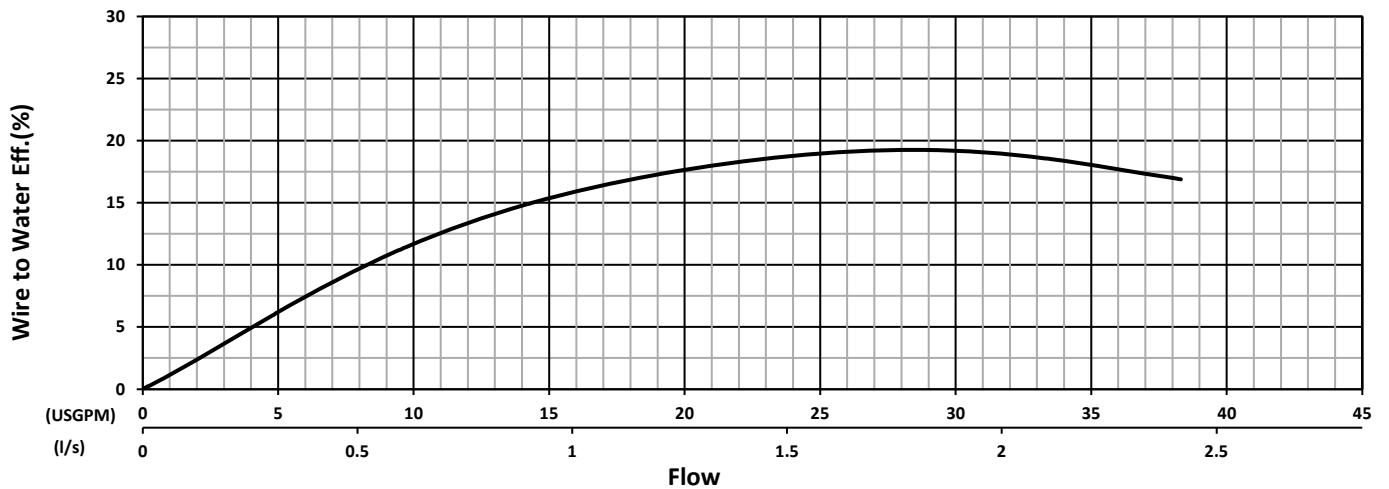
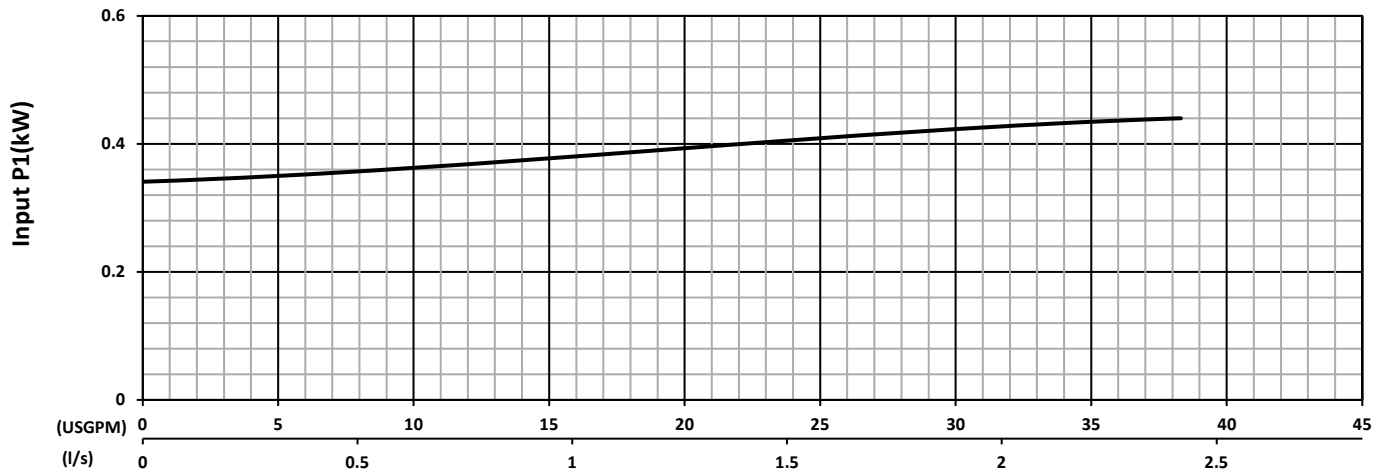
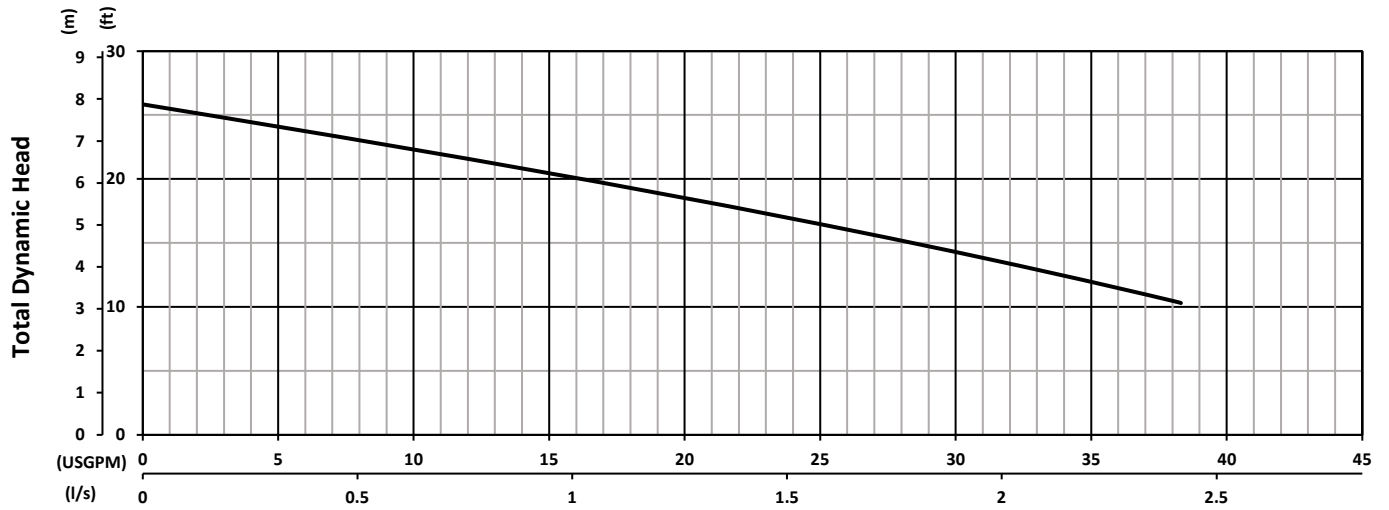
DS-C37-002

Rev:

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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

TECHNICAL DATA

Perfecta Series® MODEL TIGF32-Three Phase, 60Hz SUBMERSIBLE PUMP

GENERAL DATA

MAX. FLOW: GPM (L/min)	46 GPM (174 L/min)
MAX. HEAD: ft (m)	27' (8.2 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)	3.15" (80 mm)
DISCHARGE CONNECTION	1 ¼" NPT-FEMALE or 1 ½" TAPERED HOSE
PUMP NET WEIGHT: lbs (kg)	17.42 lbs (7.9 kg)
SHIPPING WEIGHT: lbs (kg)	26.72 lbs (12.12 kg) *

CONSTRUCTION/MATERIAL DATA

LIP SEAL - UPPER ¹	FKM or EPDM
LIP SEAL - LOWER ¹	FKM or EPDM
O-RINGS ¹	FKM or EPDM
O-RINGS - MOTOR HOUSING ¹	FKM or EPDM
PUMP TOP COVER	Ultradid 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
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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 ²	230, 3 PH, 60Hz	460, 3 PH, 60Hz
CURRENT F.L.A. / Connections	2.1 / Delta	1.3 / Star
MOTOR PROTECTION	Overload Relay, 1.8-2.5 Amp	Overload Relay, 1.1-1.6 Amp
POWER CORD: GAGE; LENGTH	A.W.G.16/4; 22' (6.7m), SOOW (Super Vu-Tron Jacket)	
Float Switch + Overload Control Cable	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	STANDARD	

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* Pump Shipping Weight with Panel Box

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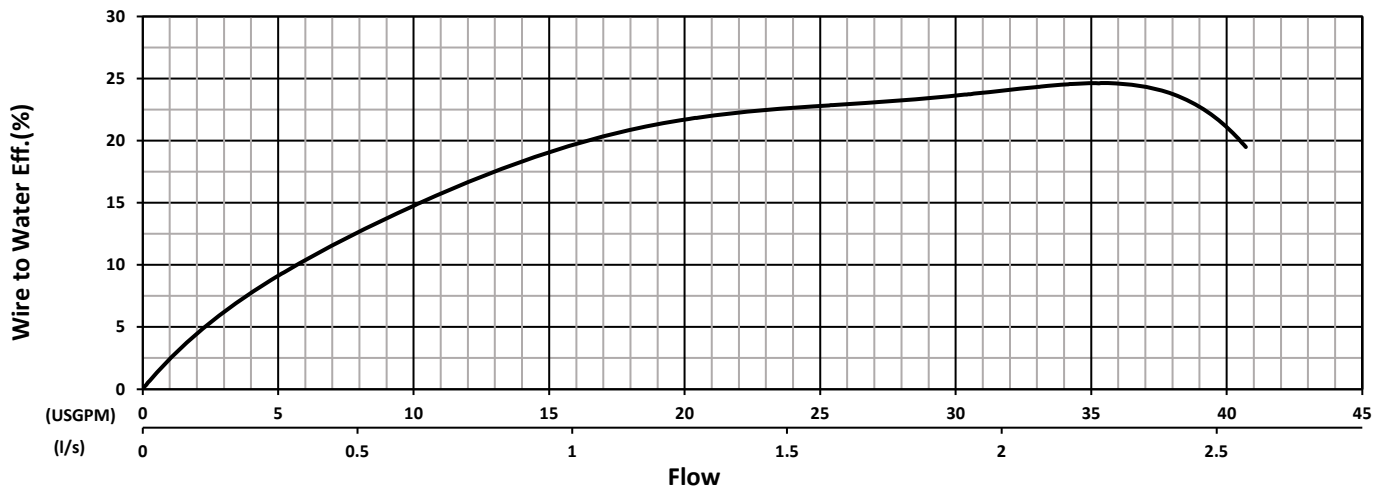
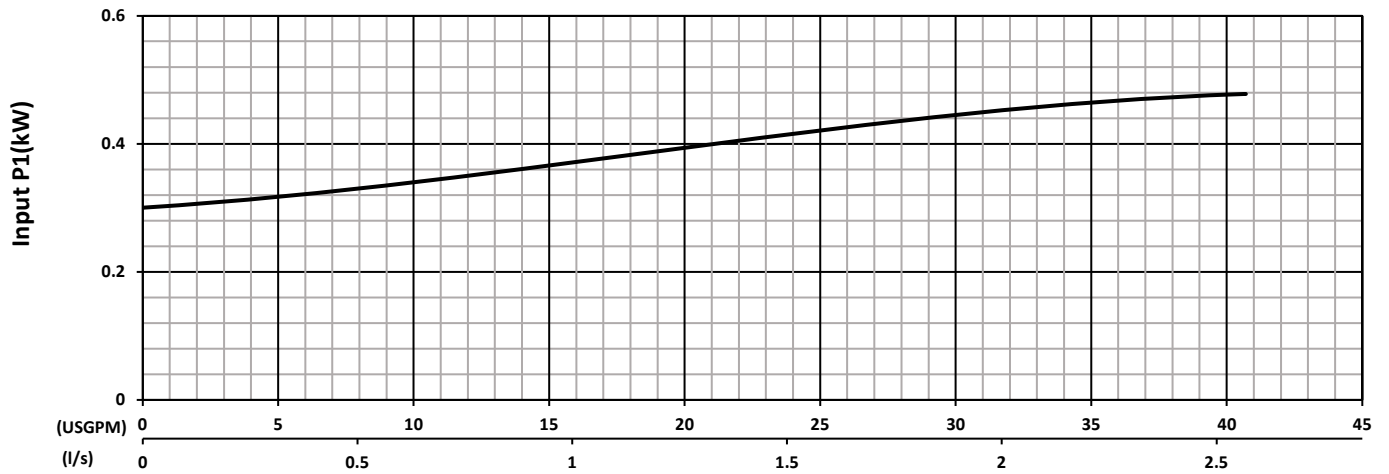
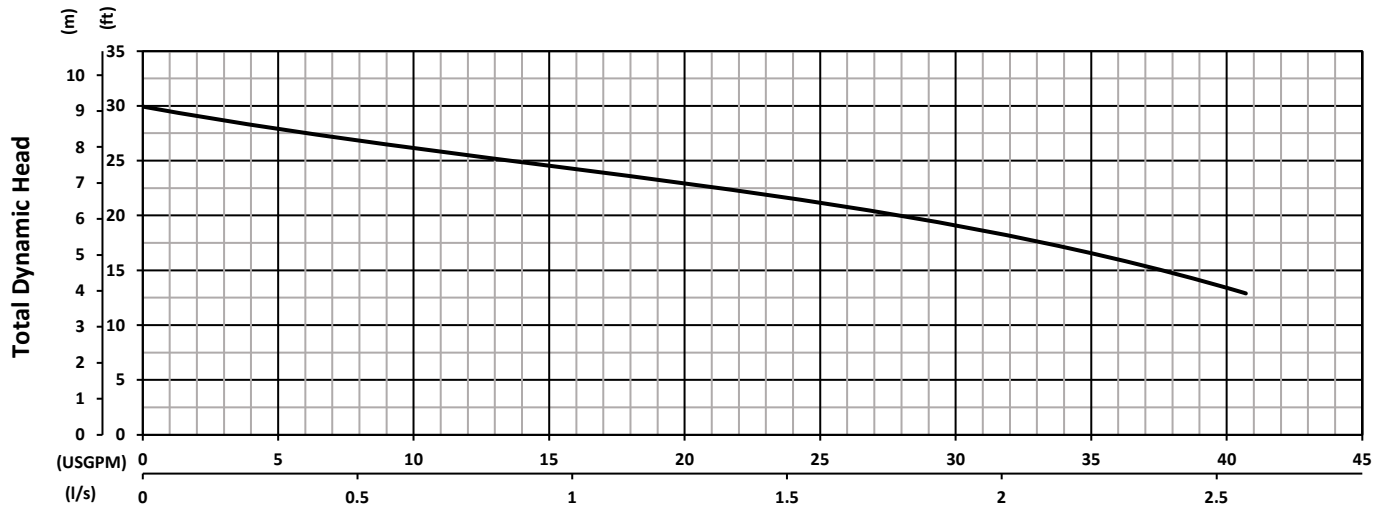
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Test Standard : HI 11.6 Gr 3B
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0.3kW(0.4 HP) - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 82mm

Specifications subject to change without notice