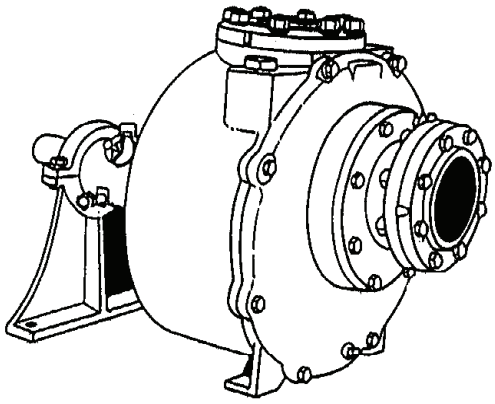
I&O Manual

Self-Priming Universal/Electric Driven

Specifications:

SUCTION/DISCHARGE..... 6" (152mm) x 6" (152mm) 125lb. Flange
LIQUID TEMPERATURE .....160°F (71°C) Continuous
VOLUTE/WEARPLATE .....Cast Iron ASTM A-48, Class 30,
Replaceable, External Clearance Adjustment
CASE.....Cast Iron ASTM A-48, Class 30
END COVER.....Cast Iron ASTM A-48, Class 30
SEAL PLATE .....Alloy Steel, Replaceable
PEDESTAL.....Cast Iron ASTM A-48, Class 30
IMPELLER: *Design* .....Semi-Open Type, Passes 1-1/2" Solids
Material .....Cast Iron ASTM A-48, Class 30
Dynamically Balanced, ISO G6.3
IMPELLER SHAFT .....Steel
SQUARE RINGS .....Buna-N
HARDWARE .....Corrosion Resistant Steel
PAINT .....Air Dry Enamel
SEAL *Design* .....Single Mechanical
Lubrication .....Grease, with Self-Feeding Lubricator
Material .....Rotating Faces - Carbon
Stationary Faces - Ceramic
Elastomer - Buna-N
Hardware - 300 Series Stainless
BEARING - PUMP END
Design.....Single Row, Ball
Lubrication .....Oil
Load.....Radial & Thrust
BEARING - DRIVE END
Design.....Single Row, Ball
Lubrication .....Oil
Load.....Radial & Thrust
CHECK VALVE:
Material .....Elbow - Cast Iron ASTM A-48, Class 30
Valve Flap - Neoprene
Weight - Cast Iron ASTM A-48, Class 30
OPTIONAL EQUIPMENT.....Seal Material, Case Heater, Stainless Hardware; High Temperature Control; Flex Coupled Assy., with Base & OSHA Guard; Right Hand V-Belt Drive Assy., Left Hand V-Belt Drive Assy., and In-Line Vertical V-Belt Drive Assy., with Base, Motor Adjusting Base & OSHA Guard.



Series: **B60-12X**
B60-11H
B60-11X
B60-10L

DESCRIPTION:

SELF-PRIMING CENTRIFUGAL PUMPS DESIGNED FOR MARINE, MUNICIPAL AND INDUSTRIAL APPLICATIONS

WARNING:
CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV

Series B60

Pump End
6" Flange

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Self-Priming Universal/Electric Driven

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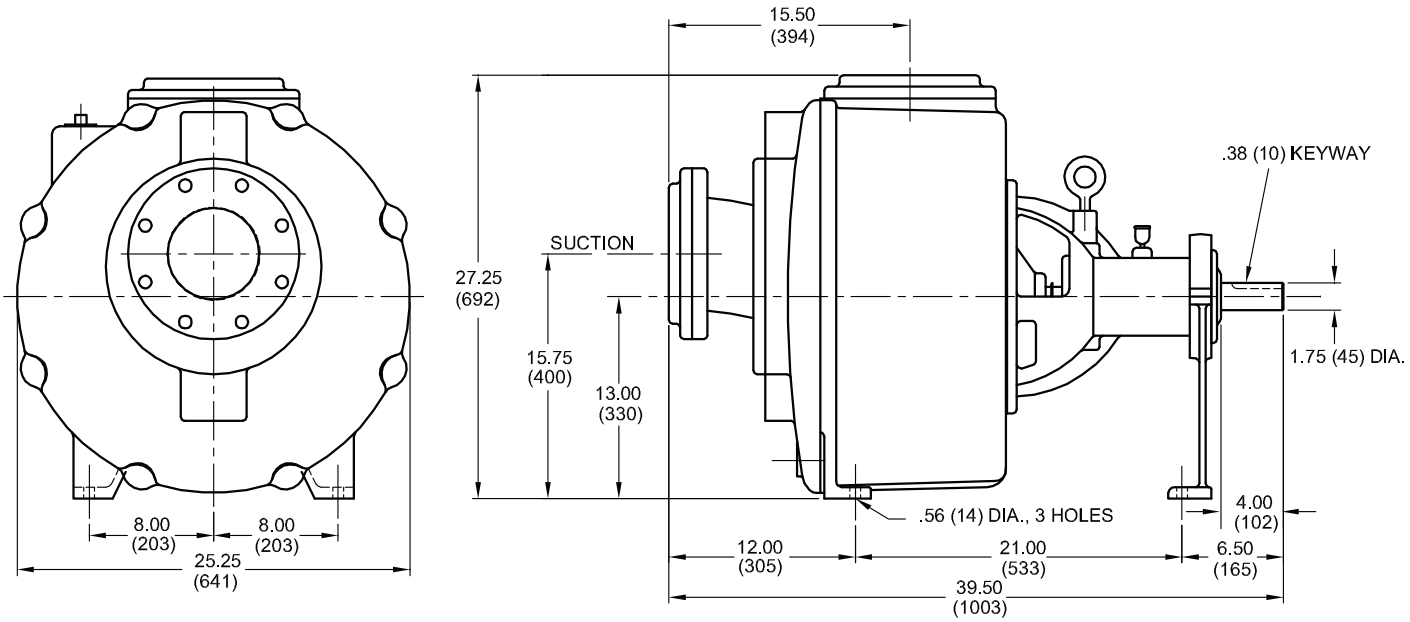
inches (mm)



MODEL NO	PART NO	WEIGHT NET LBS (kg)	
B60-12X	6COZD-0012X-001	585 (265)	
B60-11H	6COZD-0011H-001	585 (265)	
B60-11X	6COZD-0011X-001	585 (265)	
B60-10L	6COZD-0010L-001	585 (265)	

IMPORTANT !

1.) DO NOT USE FOR PUMPING FLUIDS WITH A FLASH POINT OF LESS THAN 100°F.
2.) MAKE CERTAIN THAT PUMP AND/OR MOTOR ASSEMBLY AND CONTROLS HAVE THE APPROPRIATE RATINGS FOR THE GIVEN APPLICATION AREA CLASSIFICATION. (ie DIVISION I, AGENCY LISTING ETC.)

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Series B60-12X

Performance Curve
Pump End

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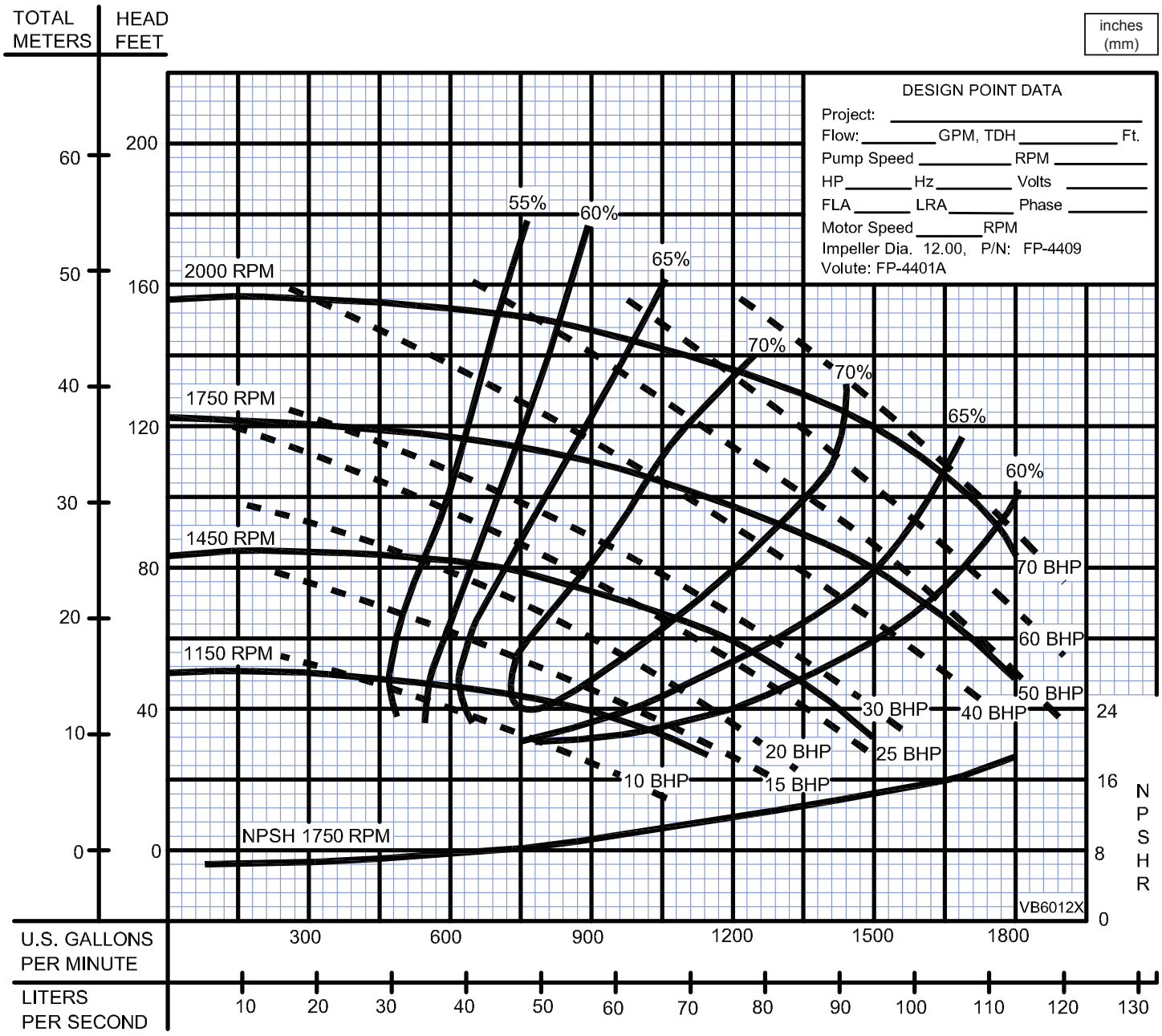

MAXIMUM DRY PRIMING LIFT	
PUMP SPEED	**10 Min**
1150 RPM	20 Ft.
1450 RPM	25 Ft.
1750 RPM	25 Ft.
2000 RPM	25 Ft.
2250 RPM	25 Ft.

When pump is operating, the **SUCTION LIFT** is limited by the available **NPSH** which is the corrected atmospheric pressure minus the dynamic suction lift, vapor pressure loss and 2 foot safety factor. This ***net available*** **NPSH** must exceed the ***required*** **NPSH** of the pump or a reduction of capacity, loss of efficiency, noise, vibration and cavitation will result. Calculate the dynamic suction lift from the ***low*** liquid level to the centerline of the impeller. When pump is priming, it is limited by the dry **PRIMING LIFT** which is the vertical distance from the ***high*** liquid level to the centerline of the impeller.

Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance

Series B60-11H

Performance Curve
Pump End

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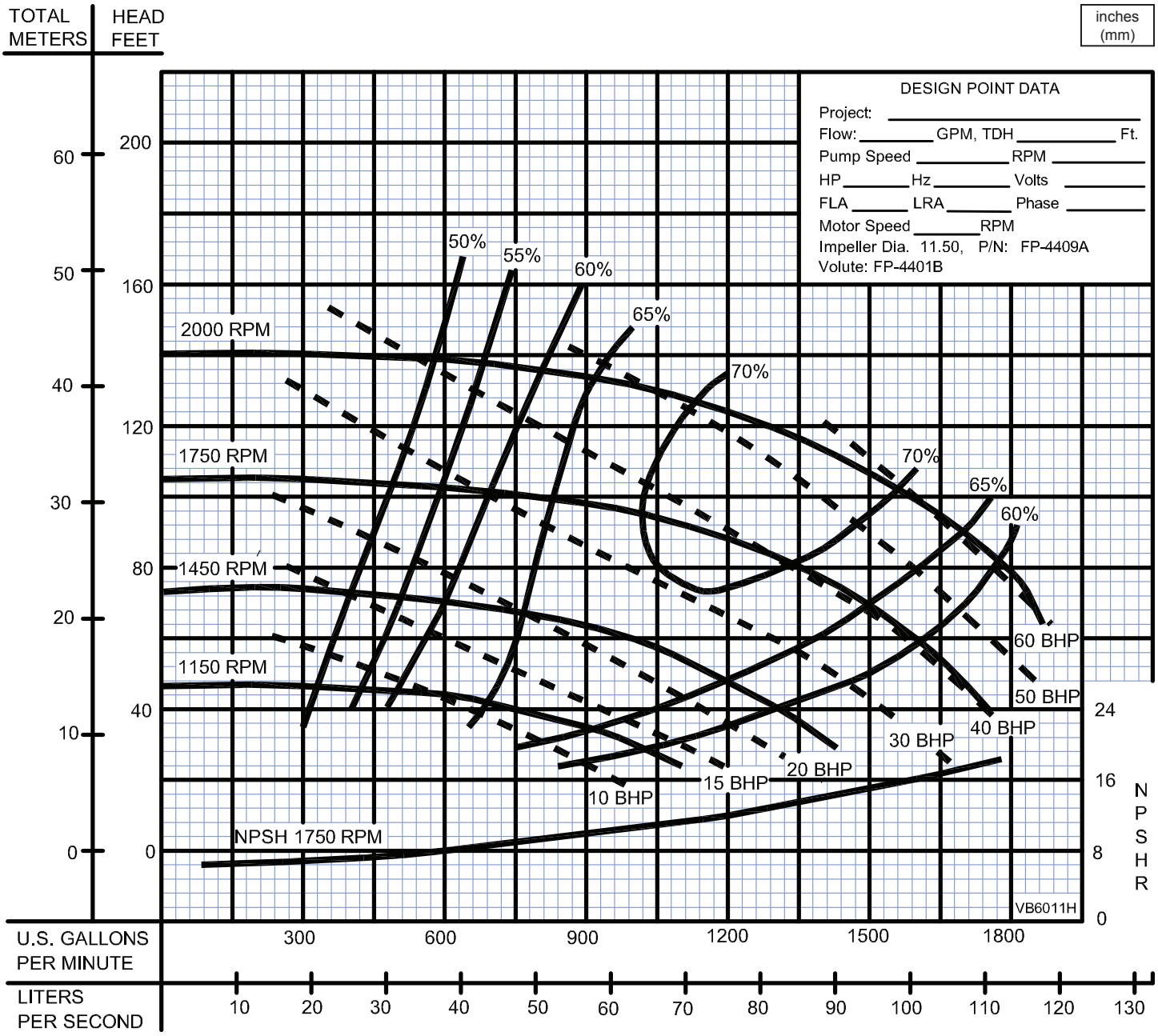

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Series B60-11X

Performance Curve
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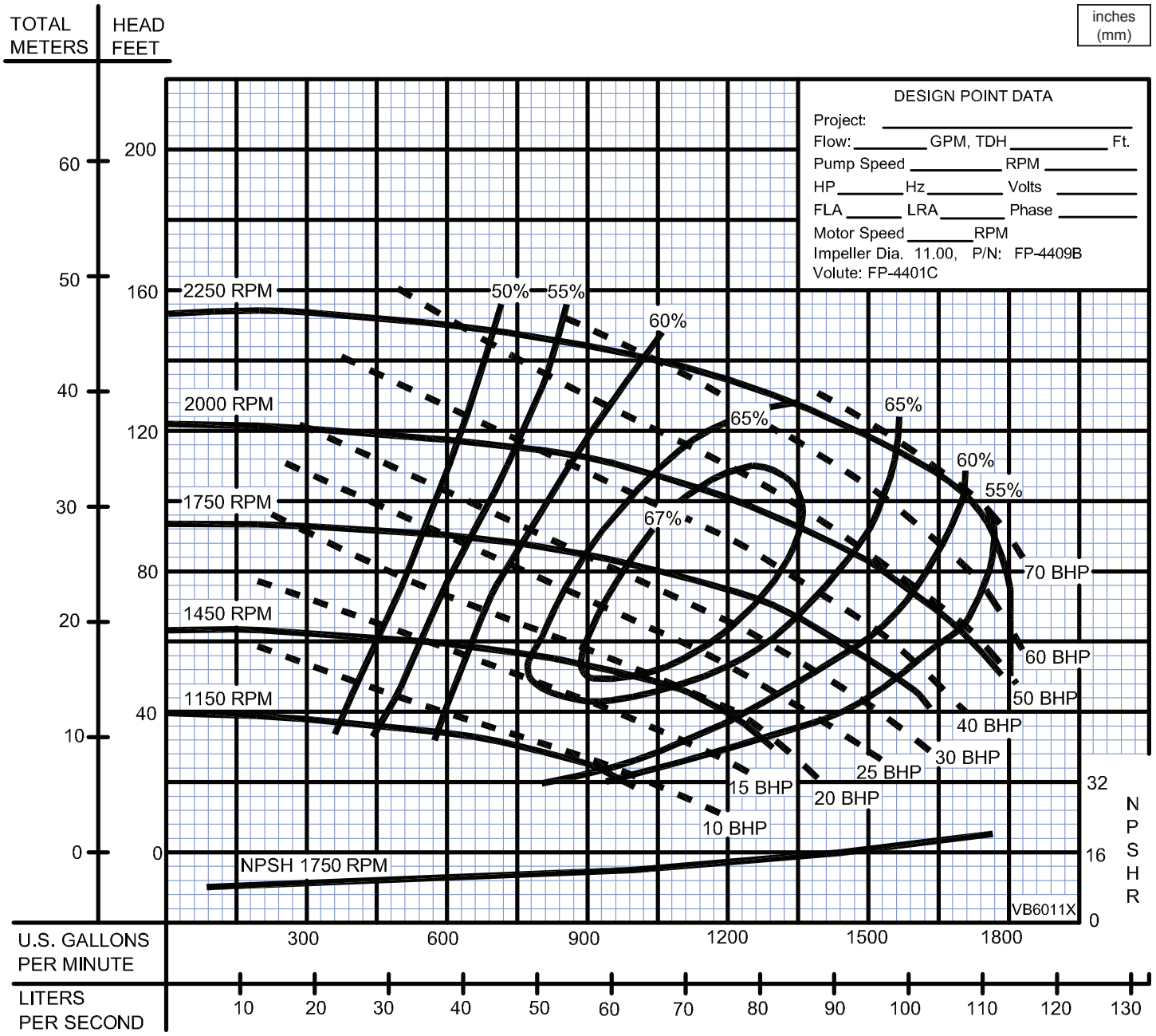

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Series B60-10L

Performance Curve
Pump End

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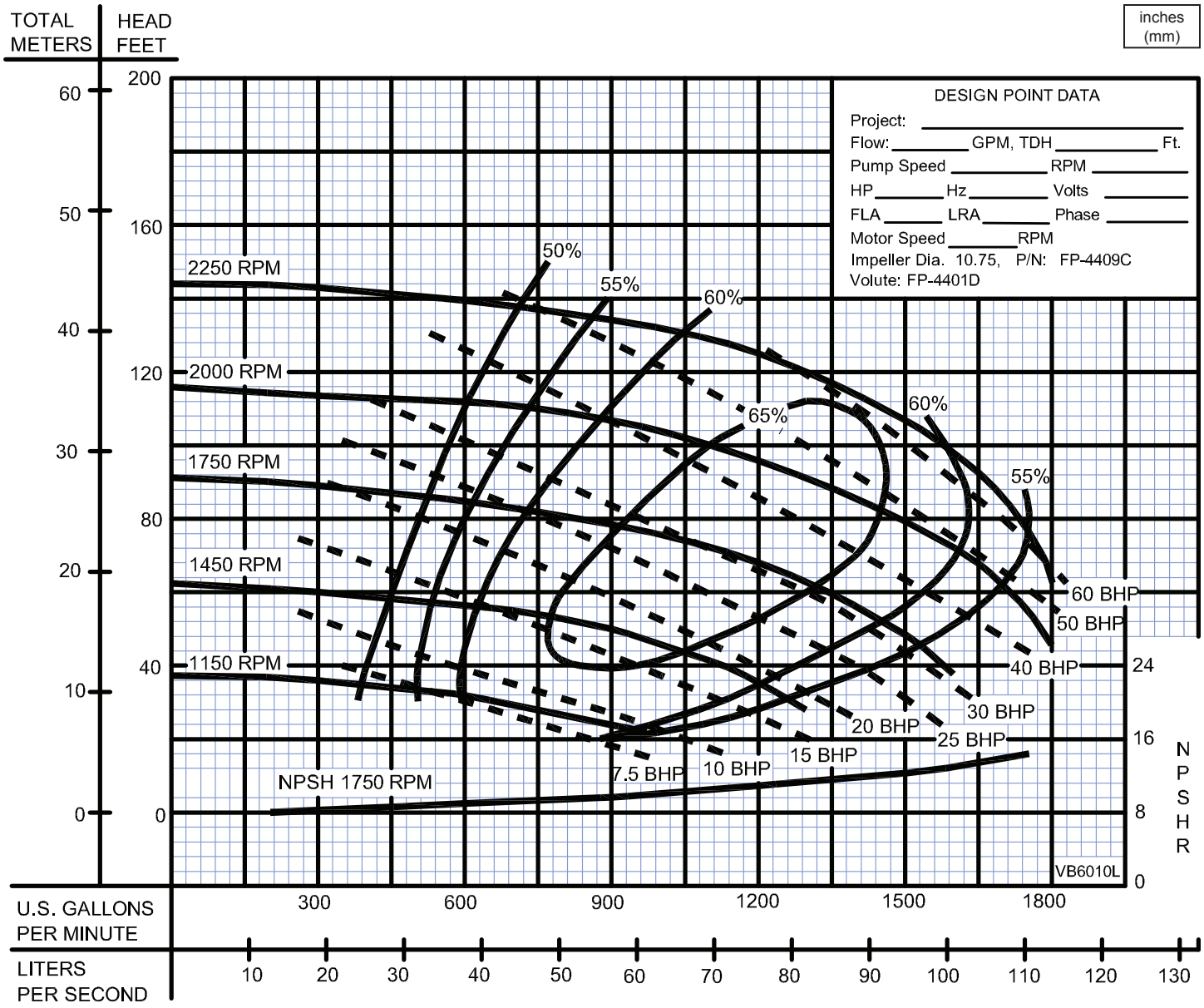

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Series B60

Horizontal V-Belt Base, Motor Speed: **1750 RPM**
V-Belt Drive, Sheaves & Bushings, Pump Shaft: **1.75 Dia.**

I&O Manual

Self-Priming Universal/Electric Driven

Driven Speed	Speed Ratio	Motor HP	Frame Size	Center Distance	Drive P/N	Driven Speed	Speed Ratio	Motor HP	Frame Size	Center Distance	Drive P/N
2250	1.29	150	405T	30.4	091834	1450	1.20	50	326T	30.2	091871
2250	1.29	125	405T	30.4	091835	1450	1.20	40	324T	30.2	091872
2250	1.29	100	404-405T	30.4	091835	1450	1.20	30	286T	31.4	091873
2250	1.29	75	365T	30.4	091836	1450	1.20	25	284T	31.4	091874
2250	1.29	60	364T	30.6	091837	1450	1.20	20	256T	31.4	091875
2250	1.29	50	326T	30.6	091838	1450	1.20	15	254T	31.4	091876
2100	1.20	125	405T	30.6	091839	1300	1.35	30	286T	31.5	091877
2100	1.20	100	404-405T	30.6	091840	1300	1.35	25	284T	31.5	091878
2100	1.20	75	365T	30.2	091841	1300	1.35	20	256T	31.5	091879
2100	1.20	60	364T	30.2	091842	1300	1.35	15	254T	31.5	091879
2100	1.20	50	326T	30.2	091843	1300	1.35	10	215T	31.5	091880
2100	1.20	40	324T	30.2	091844	1150	1.52	25	284T	32.0	091881
2000	1.14	125	405T	30.1	091845	1150	1.52	20	256T	32.0	091882
2000	1.14	100	404-405T	30.1	091846	1150	1.52	15	254T	32.0	091883
2000	1.14	75	365T	30.1	091847	1150	1.52	10	215T	32.0	091884
2000	1.14	60	364T	30.6	091848	1150	1.52	7.5	213-215T	32.0	091884
2000	1.14	50	326T	30.6	091849						
2000	1.14	40	324T	30.6	091850						
2000	1.14	30	286T	30.6	091851						
1900	1.09	125	405T	29.6	091852						
1900	1.09	100	404-405T	29.6	091853						
1900	1.09	75	365T	29.6	091854						
1900	1.09	60	364T	25.6	091855						
1900	1.09	50	326T	29.6	091856						
1900	1.09	40	324T	30.2	091857						
1900	1.09	30	286T	30.2	091858						
1750	1.00	75	365T	30.7	091859						
1750	1.00	60	364T	30.7	091860						
1750	1.00	50	326T	30.7	091861						
1750	1.00	40	324T	30.7	091862						
1750	1.00	30	286T	29.2	091863						
1750	1.00	25	284T	29.2	091864						
1600	1.09	60	364T	31.1	091865						
1600	1.09	50	326T	31.1	091866						
1600	1.09	40	324T	30.2	091867						
1600	1.09	30	286T	30.2	091868						
1600	1.09	25	284T	30.2	091869						
1600	1.09	20	256T	30.2	091870						