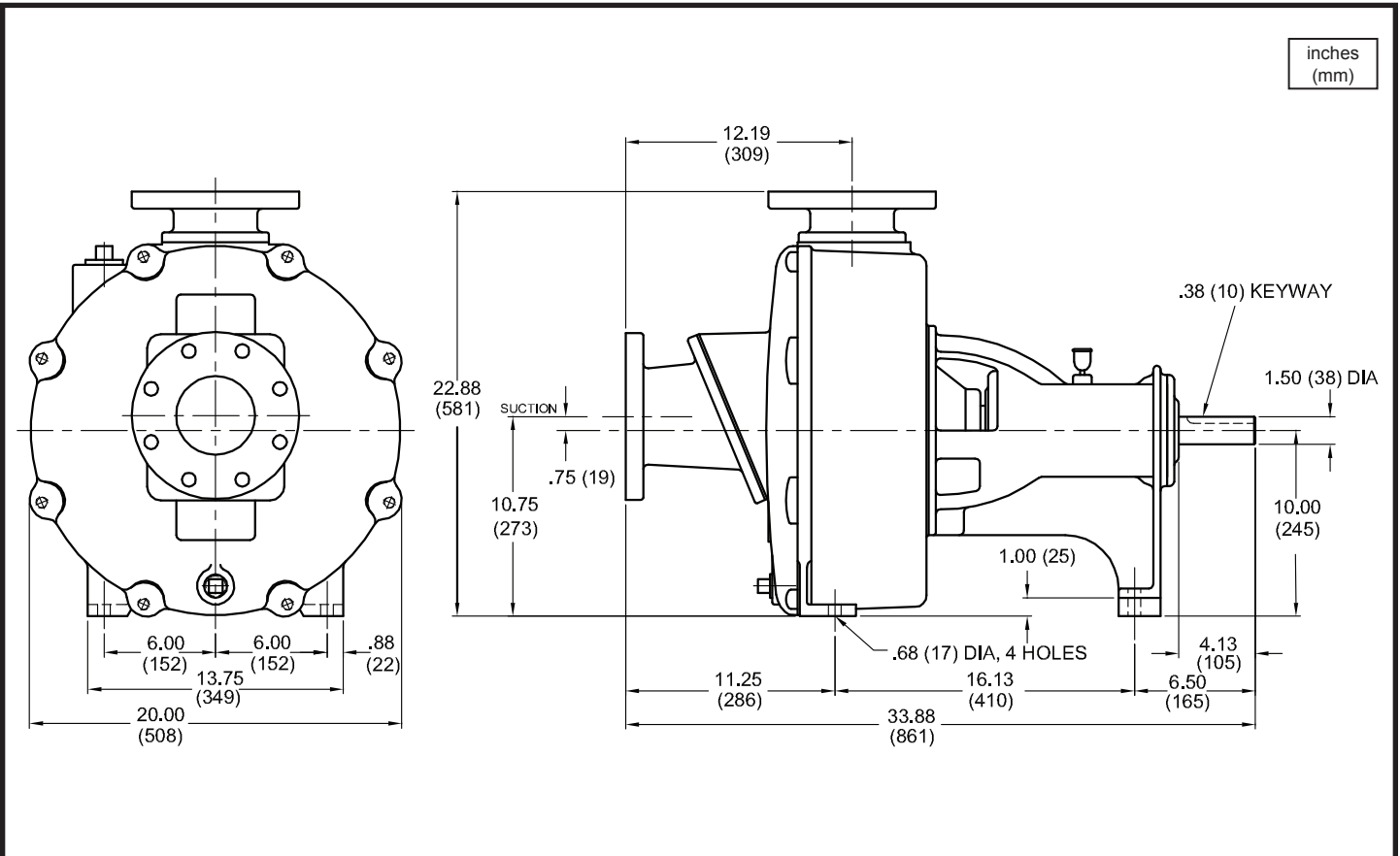


Self-Priming Universal/Electric Driven



MODEL NO	PART NO	WEIGHT NET LBS (kg)	
B40-10X	4COYD-0010X-001	340 (154)	
B40-9H	4COYD-0009H-001	340 (154)	
B40-9D	4COYD-0009D-001	340 (154)	
B40-8F	4COYD-0008F-001	340 (154)	

IMPORTANT !

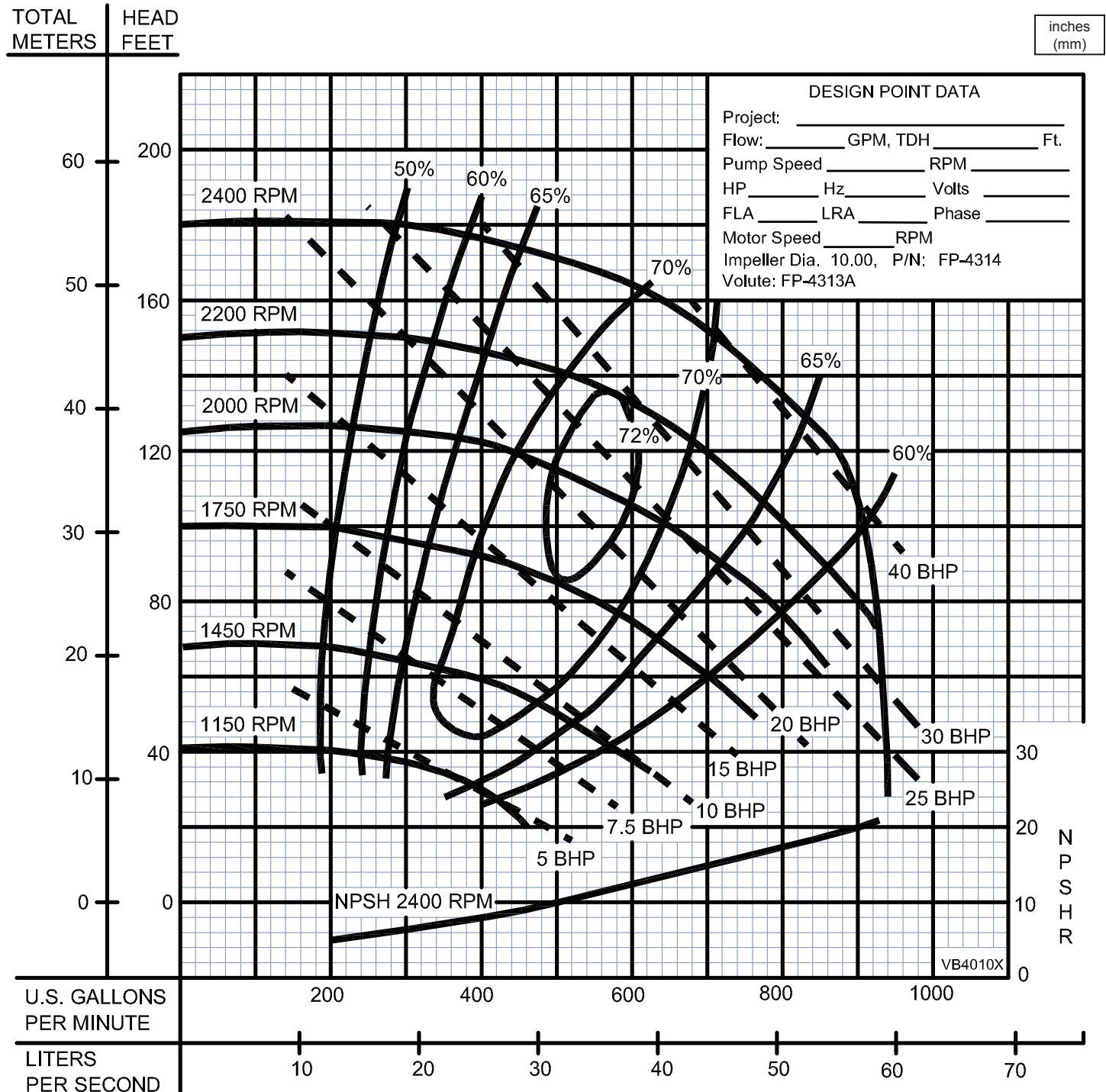
- DO NOT USE FOR PUMPING FLUIDS WITH A FLASH POINT OF LESS THAN 100°F.
- MAKE CERTAIN THAT PUMP AND/OR MOTOR ASSEMBLY AND CONTROLS HAVE THE APPROPRIATE RATINGS FOR THE GIVEN APPLICATION AREA CLASSIFICATION. (ie DIVISION I, AGENCY LISTING ETC.)

Series B40-10X

Performance Curve
Pump End



Self-Priming Universal/Electric Driven



MAXIMUM DRY PRIMING LIFT	
PUMP SPEED	10 Min
1150 RPM	10 Ft.
1450 RPM	15 Ft.
1750 RPM	25 Ft.
2000 RPM	25 Ft.
2200 RPM	25 Ft.
2400 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.

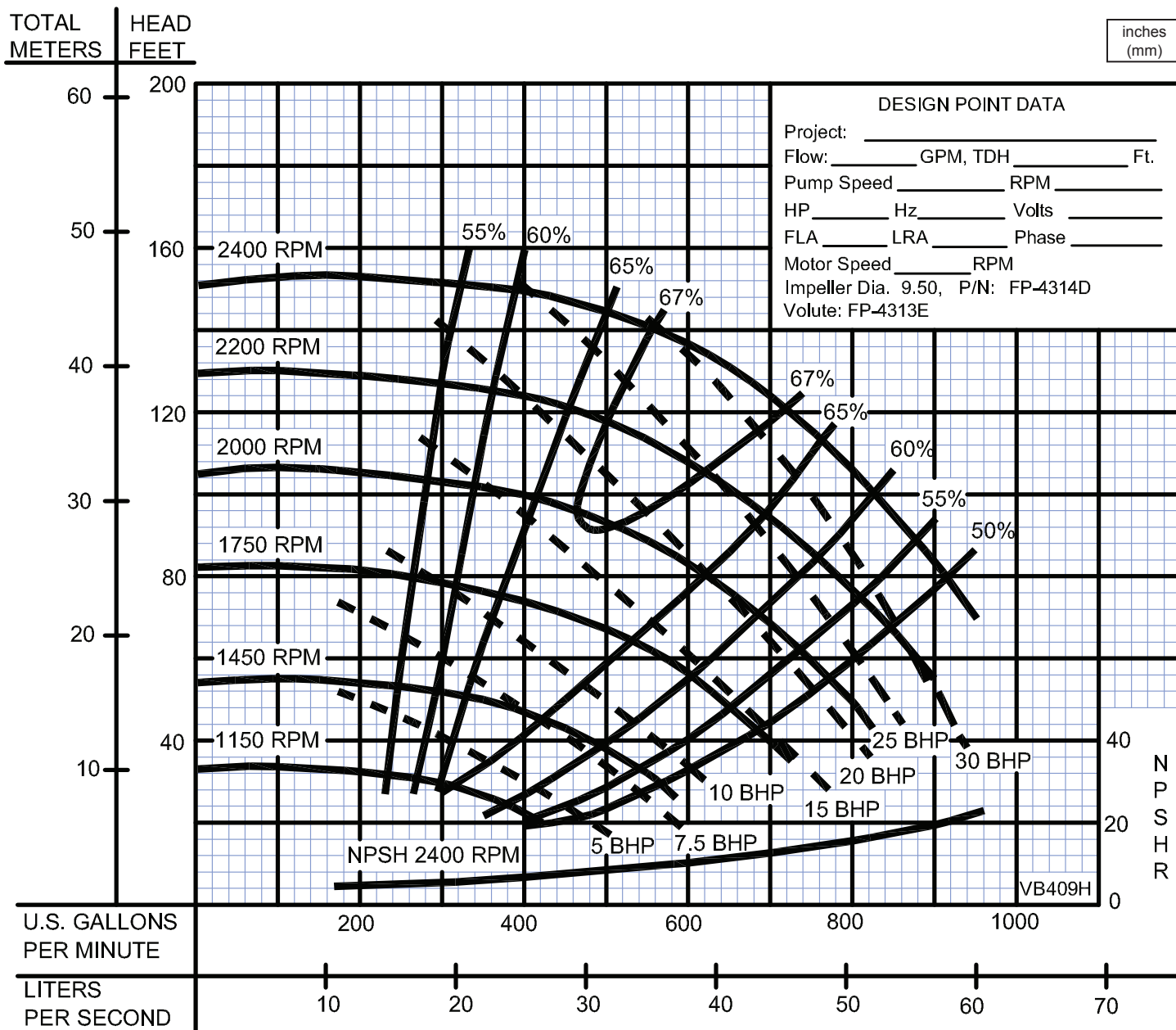
Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance

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PUMPS & SYSTEMS

Self-Priming Universal/Electric Driven



MAXIMUM DRY PRIMING LIFT	
PUMP SPEED	10 Min
1150 RPM	10 Ft.
1450 RPM	15 Ft.
1750 RPM	20 Ft.
2000 RPM	25 Ft.
2200 RPM	25 Ft.
2400 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.

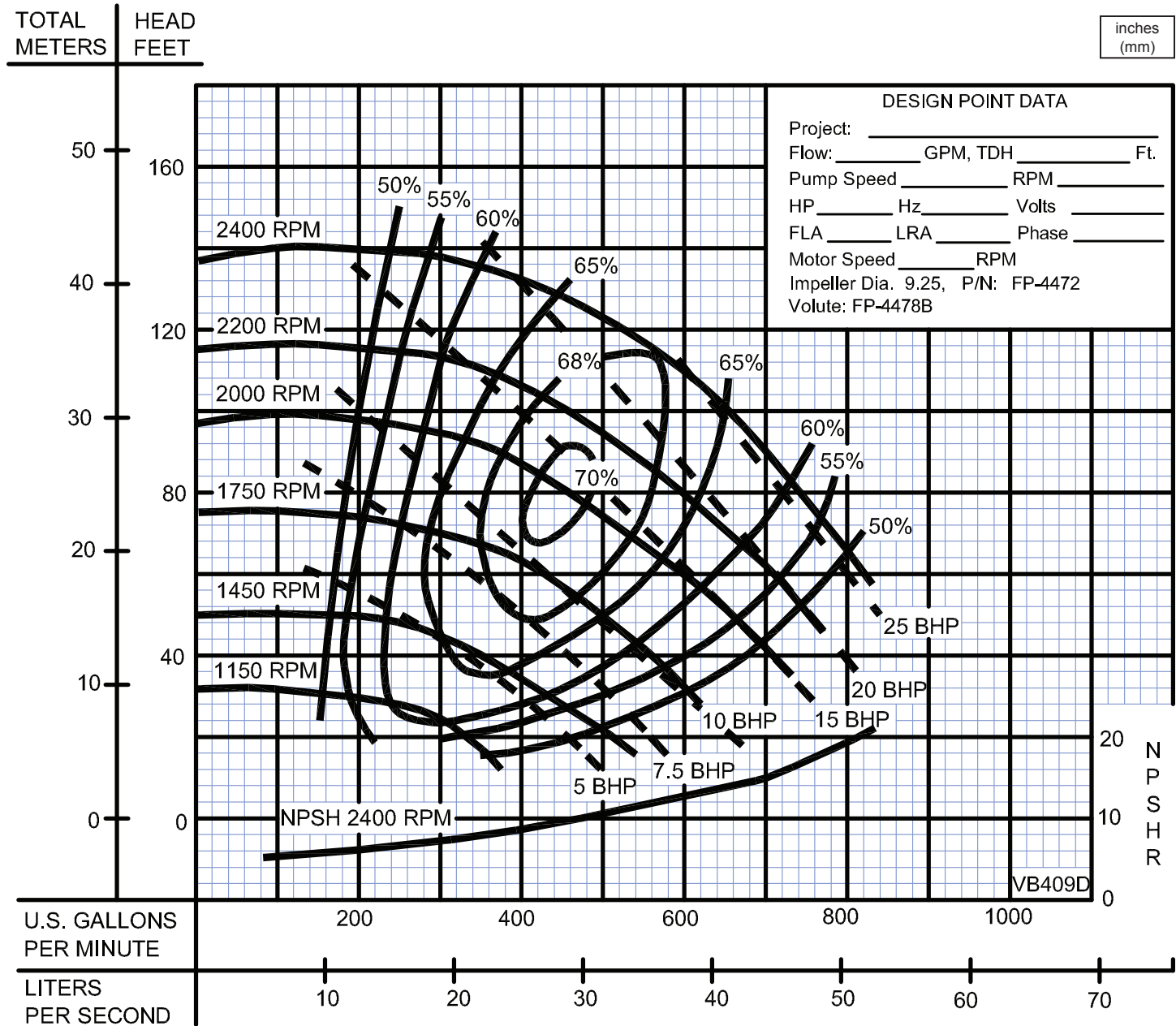
Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance

Series B40-9D

Performance Curve
Pump End



Self-Priming Universal/Electric Driven



MAXIMUM DRY PRIMING LIFT	
PUMP SPEED	10 Min
1150 RPM	15 Ft.
1450 RPM	25 Ft.
1750 RPM	25 Ft.
2000 RPM	25 Ft.
2200 RPM	25 Ft.
2400 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

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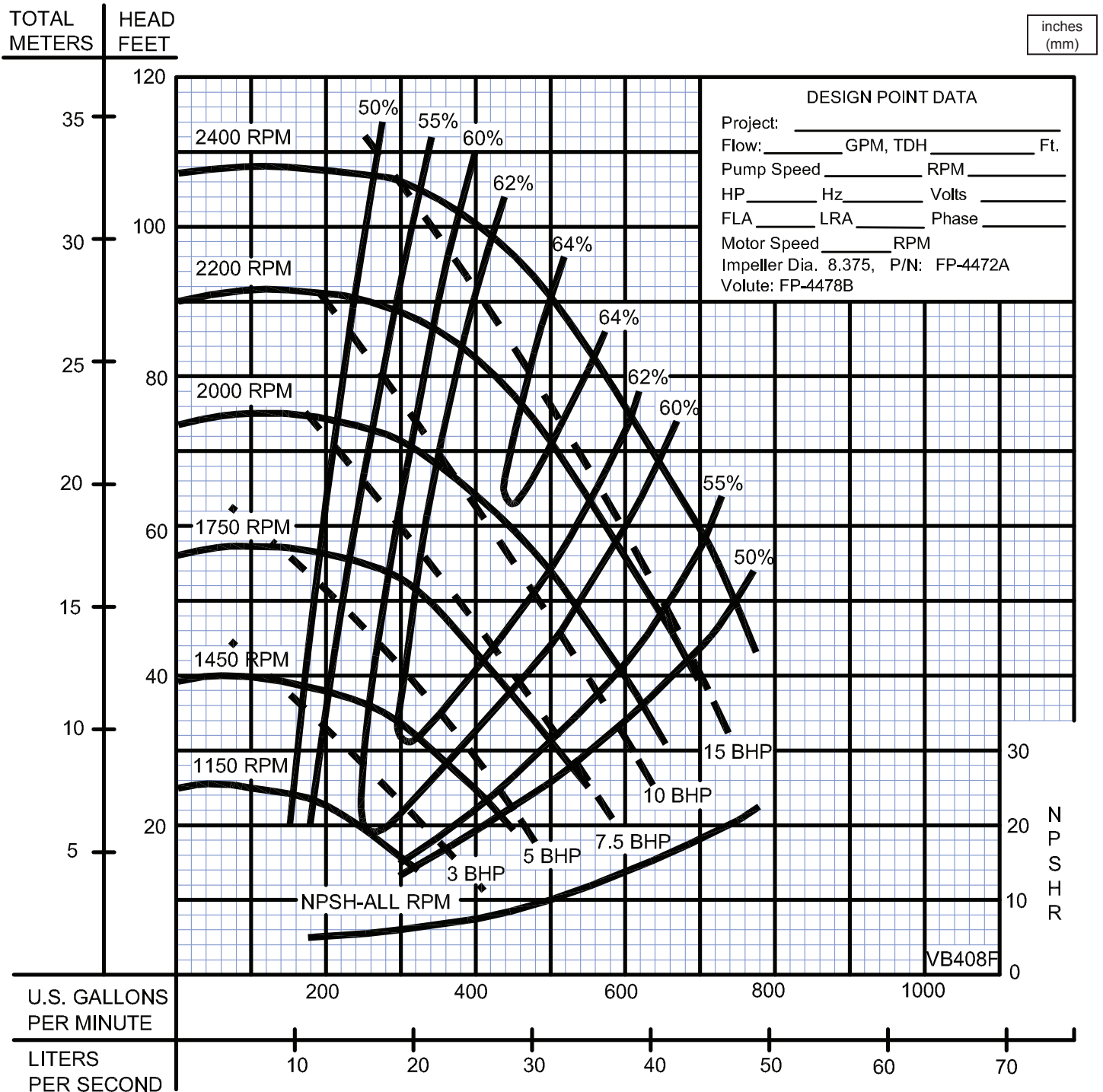


PUMPS & SYSTEMS

A Crane Co. Company

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

Self-Priming Universal/Electric Driven



MAXIMUM DRY PRIMING LIFT	
PUMP SPEED	10 Min
1150 RPM	10 Ft.
1450 RPM	15 Ft.
1750 RPM	25 Ft.
2000 RPM	25 Ft.
2200 RPM	25 Ft.
2400 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 B40

Horizontal V-Belt Base, Motor Speed: **1750 RPM**
 V-Belt Drive, Sheaves & Bushings, Pump Shaft: **1.50 Dia.**



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
2400	1.37	75	365T	22.2	091771		1750	1.00	30	286T	23.2	091810
2400	1.37	60	364T	22.2	091771		1750	1.00	25	284T	23.2	091810
2400	1.37	50	326T	22.2	091772		1750	1.00	20	256T	23.2	091811
2400	1.37	40	324T	22.1	091773		1750	1.00	15	254T	23.2	091812
2400	1.37	30	286T	22.1	091774		1750	1.00	10	215T	23.2	091813
2400	1.37	25	284T	22.1	091775		1750	1.00	7.5	213-215T	23.2	091813
							1750	1.00	5.0	213T	23.2	091813
							1750	1.00	5.0	184T	23.2	091814
2300	1.31	60	364T	22.6	091776		1750	1.00	5.0	184T	23.2	091814
2300	1.31	50	326T	22.6	091777							
2300	1.31	40	324T	21.9	091778		1600	1.09	30	286T	23.7	091815
2300	1.31	30	286T	21.9	091779		1600	1.09	25	284T	23.7	091816
2300	1.31	25	284T	21.9	091780		1600	1.09	20	256T	23.7	091817
2300	1.31	20	256T	21.9	091781		1600	1.09	15	254T	23.7	091817
2300	1.31	15	254T	21.9	091782		1600	1.09	10	215T	23.7	091818
							1600	1.09	7.5	213-215T	23.7	091818
2200	1.25	60	364T	22.8	091783		1600	1.09	5.0	213T	23.7	091819
2200	1.25	50	326T	22.8	091784		1600	1.09	5.0	184T	23.7	091820
2200	1.25	40	324T	23.1	091785							
2200	1.25	30	286T	23.1	091786		1450	1.20	15	254T	22.9	091821
2200	1.25	25	284T	23.1	091787		1450	1.20	10	215T	22.9	091822
2200	1.25	20	256T	23.1	091788		1450	1.20	7.5	213-215T	22.9	091822
2200	1.25	15	254T	23.1	091789		1450	1.20	5.0	213T	22.9	091823
2200	1.25	10	215T	23.1	091790		1450	1.20	5.0	184T	22.9	091824
2100	1.20	50	326T	23.2	091791		1300	1.35	15	254T	23.2	091825
2100	1.20	40	324T	23.2	091792		1300	1.35	10	215T	23.2	091826
2100	1.20	30	286T	22.9	091793		1300	1.35	7.5	213-215T	23.2	091827
2100	1.20	25	284T	22.9	091794		1300	1.35	5.0	213T	23.2	091827
2100	1.20	20	256T	22.9	091795		1300	1.35	5.0	184T	23.2	091828
2100	1.20	15	254T	22.9	091796		1300	1.35	3.0	182-184T	23.2	091829
2100	1.20	10	215T	22.9	091797							
							1150	1.52	7.5	213-215T	21.8	091830
2000	1.14	50	326T	23.4	091798		1150	1.52	5.0	213T	21.8	091831
2000	1.14	40	324T	23.4	091799		1150	1.52	5.0	184T	21.8	091832
2000	1.14	30	286T	23.4	091800		1150	1.52	3.0	182-184T	21.8	091833
2000	1.14	25	284T	23.4	091801							
2000	1.14	20	256T	23.4	091802							
2000	1.14	15	254T	23.4	091803							
2000	1.14	10	215T	23.4	091804							
2000	1.14	7.5	213-215T	23.4	091804							
1900	1.09	40	324T	23.7	091805							
1900	1.09	30	286T	23.7	091806							
1900	1.09	25	284T	23.7	091807							
1900	1.09	20	256T	23.7	091808							
1900	1.09	15	254T	23.7	091808							
1900	1.09	10	215T	23.7	091809							
1900	1.09	7.5	213-215T	23.7	091809							