About MWI

Moving Water Industries (MWI) Corporation traces it roots back to 1926, when Hoyt Eller started a business in Deerfield Beach, Florida. The company grew over the years due to its reputation for customer service, quality and innovative designs. David Eller P.E, the current CEO/President, has over 20 US patents for his innovations in pump design. He is joined by his two sons, Dana and Daren and daughter Danielle, all graduate engineers.

MWI's international headquarters and extensive manufacturing capabilities are located in Deerfield Beach, Florida, very close to the original business. The manufacturing facilities are spread over 4 city blocks and total nearly 300,000 ft^2, to include a 10,000 ft^2 test lab. The company has a facility in Egypt and representatives throughout the United States, Latin America, Middle East, Africa and Asia.

MWI's pump product line includes: lineshaft, submersible electric, hydraulically driven, centrifugal, self priming, trash, rotary lobe and solar powered borehole pumps.

Today, MWI is focused on:

- Axial and mixed flow pumps for drainage, irrigation, flood control and emergency pumping.
- Pumps for rental companies and contractors for construction dewatering, sewage bypass and industrial applications.
- Renting pumps directly in Central and South Florida and nationwide when very large pumps are required.
- Solar powered pumps with water treatment capabilities for the developing world.

Our philosophy is simple: provide innovative, high-quality pumps at competitive prices and take care of each customer. Let us help you solve your water moving problems with our extensive engineering staff, years of experience and great products.

MWI Moving Water Industries
CORPORATION
ESTABLISHED 1926

MWI PUMPS

Hydraulically Driven Pumps

Hydraflo™

Moving Water Worldwide - Reliably and Efficiently

Hydraflo Pumps from MWI

The Hydraflo is a patented, submersible pump that uses the power of hydraulics to drive the impeller via flexible hoses. This replaces a fixed motor, a long, rigid shaft and the supporting structure common to most pumps that can move very large quantities of water. The unique design allows the pump to be set up in hours - not months - usually eliminates most of the civil works necessary for installation - saving a lot of money and time, allows the pump to be portable and provides variable speed control.

Advantages

Versatility

Hydraflo pumps can be installed at any angle - vertical, horizontal or any angle in between, by simply changing the intake bell.

Fast Installation

Hydraflo pumps can be installed within a fraction of the time of conventional lineshaft pumps. A typical installation can be done in house, because they do not require any critical alignment or the extensive civil works required by other high capacity pumps.

Designed for Longer Life

Hydraflos are designed for a very long life. All components are picked for ruggedness and durability. Many Hydraflos over 25 years old are still in daily use.

Less Submergence Required

Because the standard design of MWI Hydraflo pumps have large intake passages and low speeds, they can be installed and operated continuously at minimal submergence.

Requires Less Maintenance and Costs Less to Operate

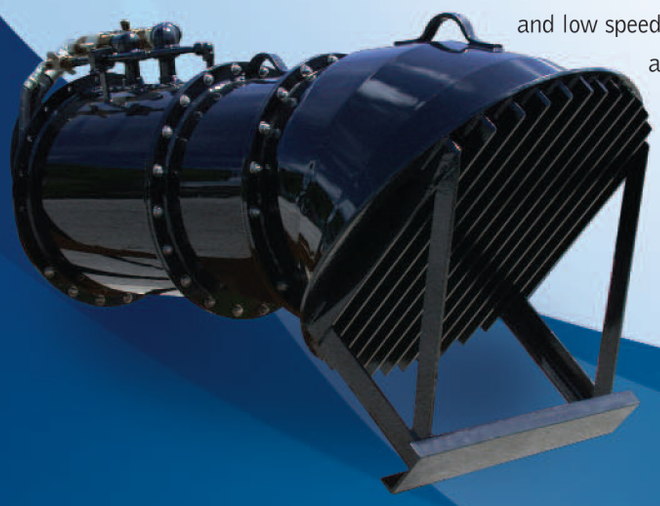
The Hydraflo is a simple, straightforward design that requires very little maintenance. When used in portable mode, pumps more water for less money and has a smaller footprint than the many centrifugal pumps that would be required to take its place. Hydraflo pumps are designed to run dry without damage to their components.

Variable Speed Pumping

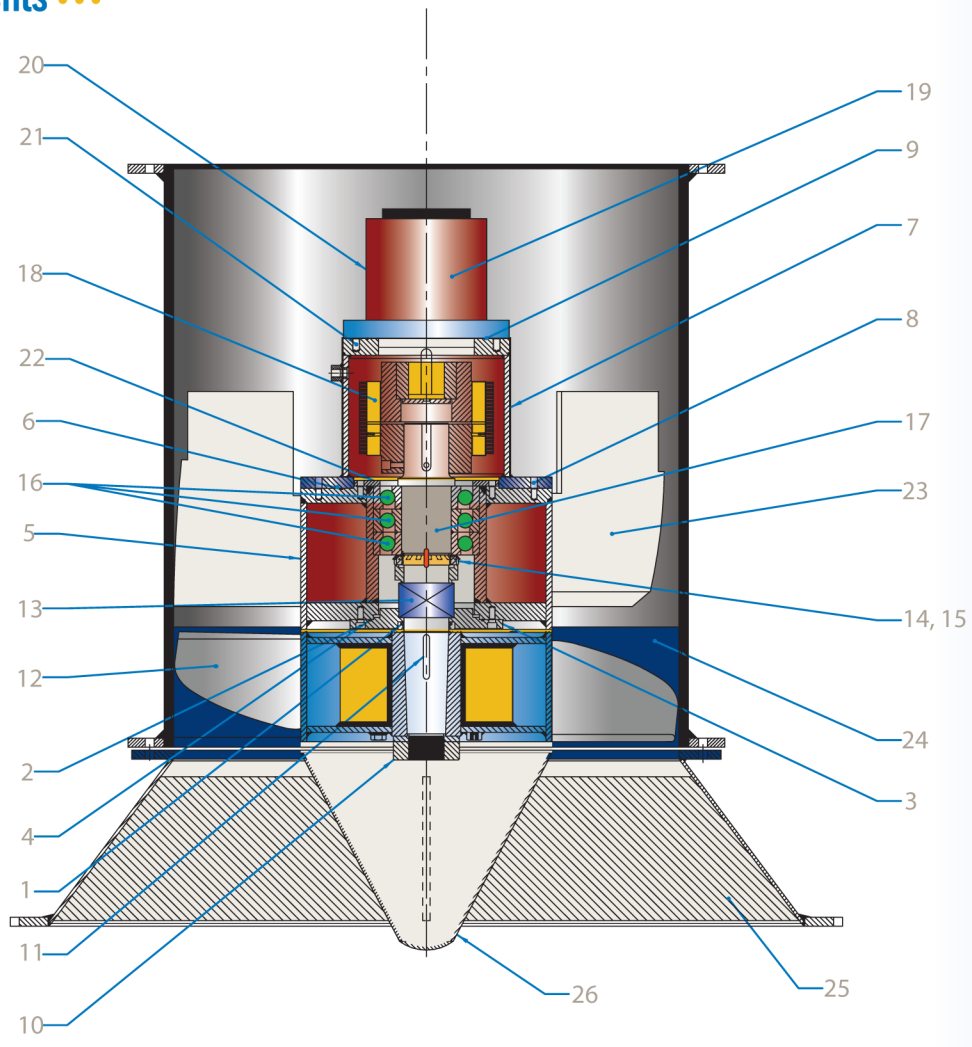
Pump speed can be varied manually by regulating engine speed. An automatic variable speed option is also available.

Environmentally Friendly

We offer several hydraulic fluid options which are readily biodegradable and meet the EPA toxicity limits. Hydraflo hydraulic tanks are small and have an engine shut down switch activated by small amounts of fluid loss.



Internal Components



1 Lip Seal (Synthetic Rubber & Stainless Steel Garter Spring)

2 Bolts:Fasten End Pl-Bearing Box(Grade 5)

3 End Plate (ASTM A588, Corten Steel)

4 O-Ring: End Plate / Bearing Box

5 Bearing Box (ASTM A588, Corten Steel)

6 O-Ring: Bearing Box / Motor Mount

7 Motor Mount (ASTM A242 Corten Steel)

8 Bolts:Motor Mount-Bear'g Box (Grade 5)

9 O-Ring: Motor Mount / Hydraulic Motor

10 Propeller Nut (AISI 1026 Steel)

11 Propeller Key (AISI 1018 Steel)

12 Propeller(S/ S Blades,A588 Corten Steel)

13 Mechanical Seal Assembly (Ceramic & Stainless Steel Spring)

14 Bearing Lock-Nut (ANSI C1015 Steel)

15 Bearing Lock-Washer (ANSI C1015 Steel)

16 Bearings

17 Hydraflo Shaft (304 Stainless Steel)

18 Shaft Coupling Assembly (Steel)

19 Hydraulic Motor (Steel Casting)

20 Mounting Flanges/ Adapters

21 Bronze Spacer (Bronze 660)

22 Bolts -Hydraulic Motor To Mount (Grade 5)

23 Bearing Retainer (ASTM A242, Corten Steel)

24 Distributor Blades (ASTM A242, Corten Steel)

25 Wear Ring/Liner (304 Stainless Steel)

26 Guide Blades

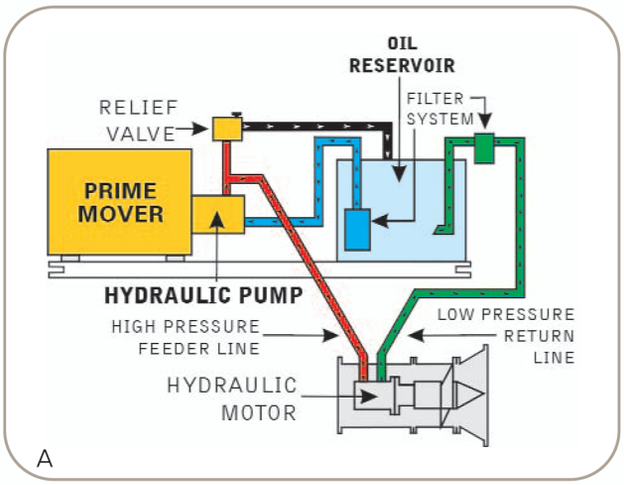
27 Guide Hub

Due to our continual improvement of our products, we reserve the right to change designs and specifications.

Method of Operation

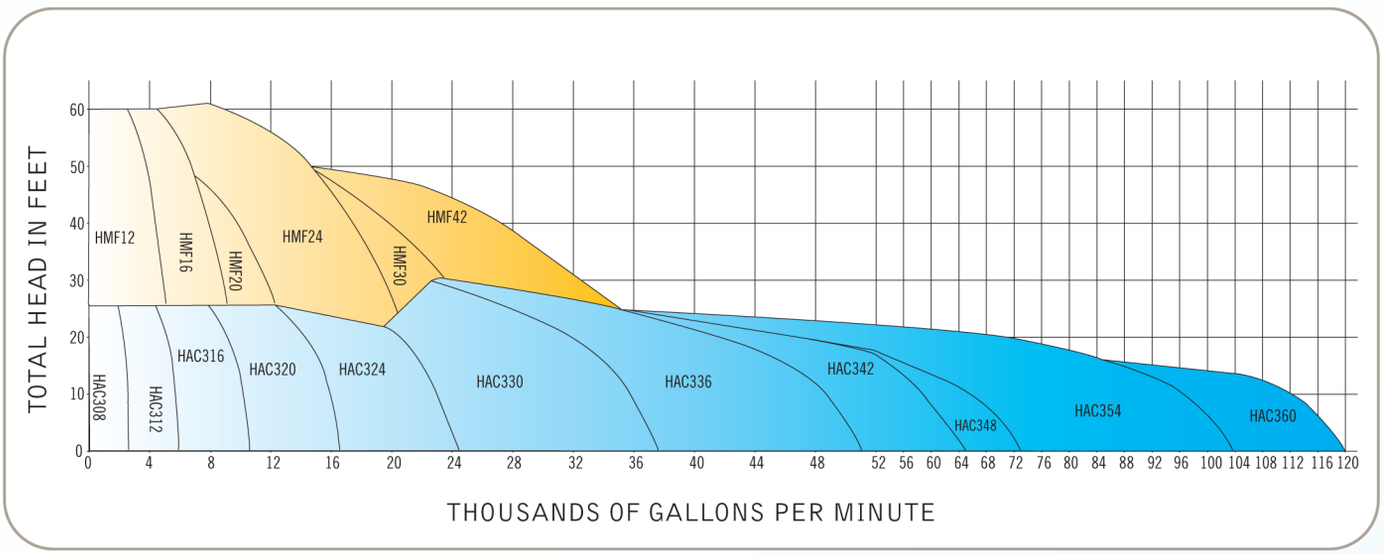
Schematic A shows how the hydraulic system works. Note that the prime mover can be a diesel engine, electric motor or a combination of both. It drives a hydraulic pump which in turn supplies oil to the hydraulic motor in the water pump. This spins the hydraulic motor which is directly connected to the propeller. The hydraulic oil is then returned to the oil reservoir through the return filter. Then, the hydraulic oil returns through a strainer and back to the hydraulic pump, completing the circuit.

A relief valve from the high pressure side to the oil reservoir, serves to by-pass the power transmission fluid and divert flow in the event that an object gets lodged in the propeller. This is a very important safety feature available only with Hydraflo systems which protects all components from shock loads. Where variable flows are needed (such as in sewage effluent or "piped in" stormwater pumping), the propeller speeds can be infinitely adjusted automatically through the hydraulic power transmission system to match up with any combination of water flows and head conditions.

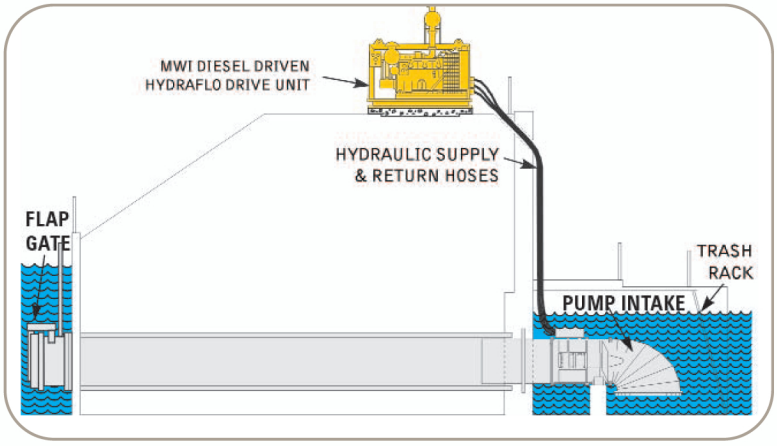


A

Performance curves for each bowl size are available upon request.

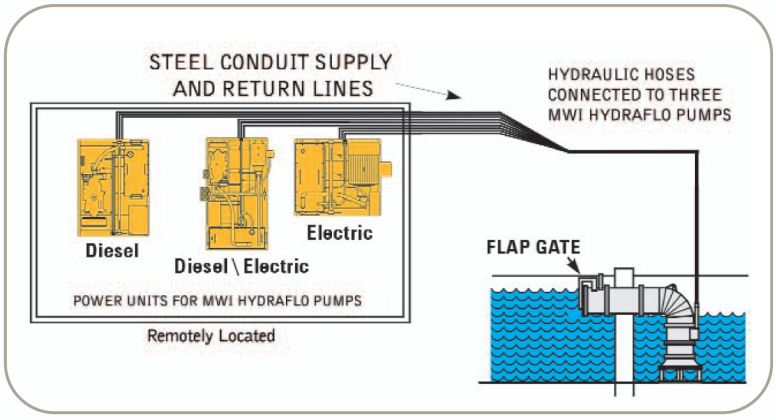


Installations • • •



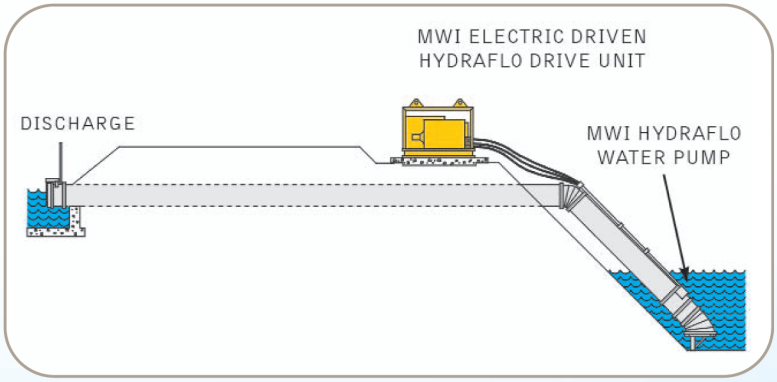
HORIZONTAL INSTALLATION

- Low profile
- Retro-fit existing pipe



VERTICAL INSTALLATION

- Dual power for emergencies
- Remote drive unit



ANGLED INSTALLATION

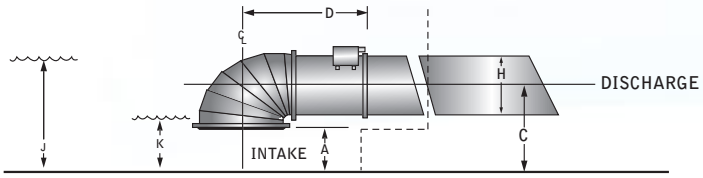
- Low civil works
- Installable at any angle

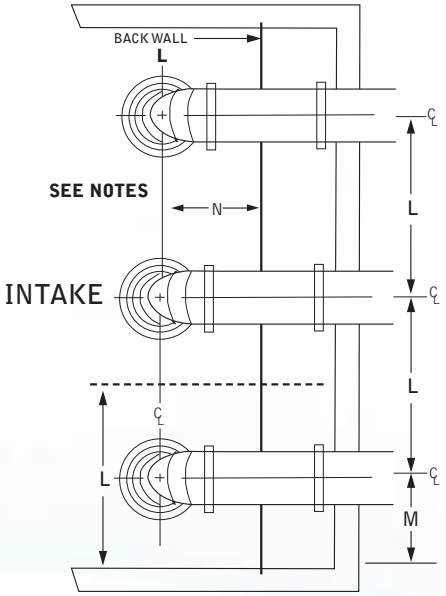
MWI PUMPS

Horizontal Hydraflo Water Pump
Single Stage Dimension Guide
U.S.

NOTES:

1. Dimensions shown are minimum and can be increased when required.
2. Strainer bars on intake extend below intake flange opening.
3. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





PLAN VIEW

Model	A INTAKE CLEARANCE in.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE in.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE in.	H DISCHARGE PIPE DIAMETER in.	J MINIMUM WATER LEVEL FOR PUMP STARTING in.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF in.	L MINIMUM PUMP SPACING in.	M MINIMUM PUMP SIDE WALL CLEARANCE in.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING in.
HAC308	5	16	29	8.6	25	13	24	12	9
HAC312	7	18	38	12.8	25	13	36	18	14
HAC316	10	27	42	16.0	34	15	46	24	18
HAC320	12	28	51	20.0	36	17	60	30	23
HAC324	14	35	55	24.0	49	24	72	36	27
HAC330	18	43	68	30.0	55	25	90	45	34
HAC336	22	48	81	36.0	65	32	108	54	41
HAC342	25	57	88	42.0	73	32	126	63	47
HAC348	29	64	105	48.0	87	49	144	72	54
HAC354	32	67	106	54.0	91	49	162	81	61
HAC360	36	75	148	60.0	98	49	180	90	68
HMF12	6	CF	CF	12.8	CF	CF	32	16	12
HMF16	9	CF	CF	16.0	CF	CF	43	21	16
HMF20	10	CF	CF	20.0	CF	CF	53	27	20
HMF24	13	CF	CF	24.0	CF	CF	64	32	24
HMF30	16	CF	CF	30.0	CF	CF	80	40	30
HMF42	22	CF	CF	42.0	CF	CF	112	56	42

All dimensions are +/- 1/2 inch.
CF = Consult Factory

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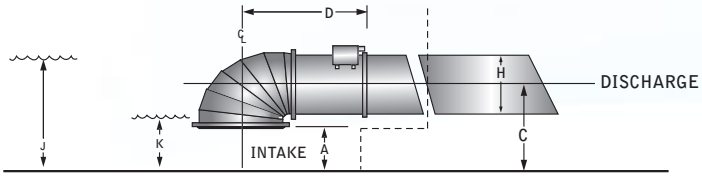
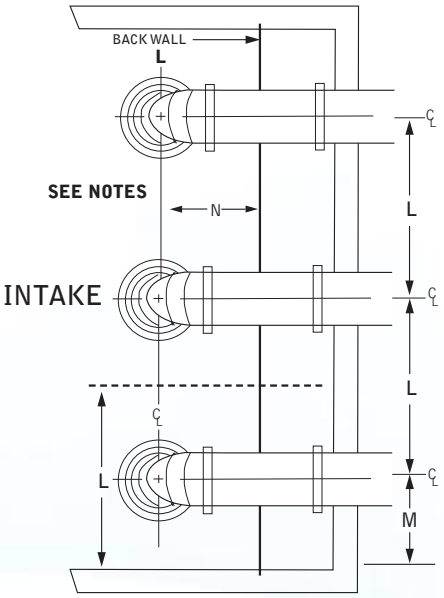
Horizontal Hydraflo Water Pump
Single Stage Dimension Guide
METRIC

NOTES:

1. Dimensions shown are minimum and can be increased when required.
2. Strainer bars on intake extend below intake flange opening.
3. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





PLAN VIEW

Model	A INTAKE CLEARANCE mm.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE mm.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE mm.	H DISCHARGE PIPE DIAMETER mm.	J MINIMUM WATER LEVEL FOR PUMP STARTING mm.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF mm..	L MINIMUM PUMP SPACING mm.	M MINIMUM PUMP SIDE WALL CLEARANCE mm.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING mm.
HAC308	122	401	738	219	635	330	610	305	229
HAC312	183	462	954	324	635	330	914	457	343
HAC316	244	676	1067	406	864	381	1219	610	457
HAC320	305	721	1284	508	914	432	1524	762	572
HAC324	366	899	1387	610	1245	610	1829	914	686
HAC330	457	1092	1721	762	1397	635	2286	1143	857
HAC336	549	1231	2069	914	1067	813	2743	1372	1029
HAC342	640	1453	2235	1067	1854	813	3200	1600	1200
HAC348	732	1621	2659	1219	2210	1245	3658	1829	1372
HAC354	823	1712	2700	1372	2311	1245	4115	2057	1543
HAC360	914	1902	3750	1524	2489	1245	4572	2286	1715
HMF12	163	CF	CF	305	CF	CF	813	406	305
HMF16	217	CF	CF	406	CF	CF	1082	541	406
HMF20	264	CF	CF	508	CF	CF	1356	678	509
HMF24	325	CF	CF	610	CF	CF	1626	813	610
HMF30	406	CF	CF	762	CF	CF	2032	1016	762
HMF42	569	CF	CF	1067	CF	CF	2845	1422	1067

All dimensions are +/- 10mm.
CF = Consult Factory

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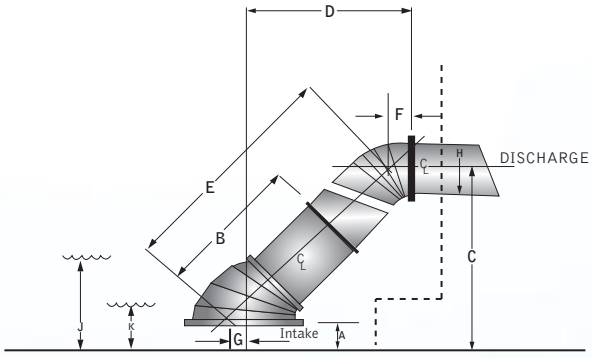
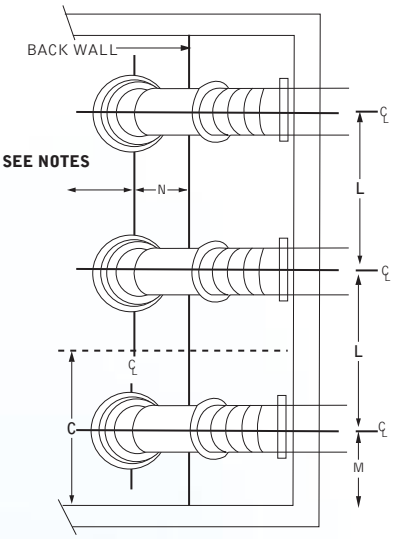
Angled Hydraflo Water Pump
Single Stage Dimension Guide
U.S.

NOTES:

1. Dimensions shown are minimum and can be increased as required.
2. Dimensions shown are based on short radius elbow.
3. Strainer bars on intake extend below intake flange opening.
4. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





PLAN VIEW

Model	A INTAKE CLEARANCE in.	B HYDRAFLO PUMP LENGTH in.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE in.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE in.	E INTAKE FLANGE TO HORIZONTAL CENTERLINE OF DISCHARGE in.	F DISCHARGE FLANGE TO CENTERLINE in.	G INTAKE BELL CENTERLINE TO 45 PUMP CENTERLINE in.	H DISCHARGE PIPE DIAMETER in.	J MINIMUM WATER LEVEL FOR PUMP STARTING in.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF in.	L MINIMUM PUMP SPACING in.	M MINIMUM PUMP SIDE WALL CLEARANCE in.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING in.
HAC308	5	29	28	24	32	4	3	8.6	25	13	24	12	9
HAC312	7	37	37	30	43	5	5	12.8	32	13	36	18	14
HAC316	10	42	44	36	48	7	5	16.0	40	15	48	24	18
HAC320	12	51	54	44	59	8	6	20.0	47	17	60	30	23
HAC324	14	53	59	49	63	10	6	24.0	56	24	72	36	27
HAC330	18	66	73	61	78	12	7	30.0	69	25	90	45	34
HAC336	22	81	90	74	96	15	8	36.0	82	32	108	54	41
HAC342	25	82	95	81	99	17	6	42.0	94	32	126	63	47
HAC348	29	103	115	97	122	20	10	48.0	105	46	144	72	54
HAC354	32	103	121	103	125	22	8	54.0	117	46	162	81	61
HAC360	36	105	128	110	130	25	6	60.0	131	49	180	90	68
HMF12	6	41	39	34	46	5	4	12.8	31	13	32	16	12
HMF16	9	48	47	41	55	7	4	16.0	39	15	43	21	16
HMF20	10	54	55	47	62	8	6	20.0	45	17	53	27	20
HMF24	13	89	82	73	99	10	7	24.0	57	23	64	32	24
HMF30	16	91	89	77	103	12	8	30.0	58	23	80	40	30
HMF42	22	112	114	101	129	17	8	42.0	91	33	112	56	42

All dimensions are +/- 1/2 inch.

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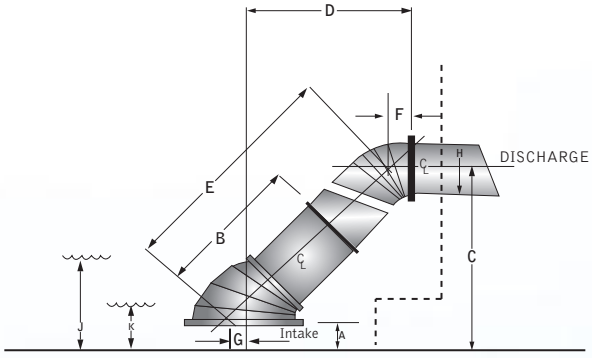
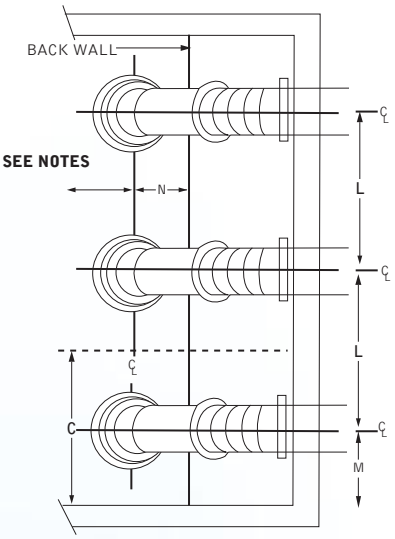
Angled Hydraflo Water Pump
Single Stage Dimension Guide
METRIC

NOTES:

1. Dimensions shown are minimum and can be increased as required.
2. Dimensions shown are based on short radius elbow.
3. Strainer bars on intake extend below intake flange opening.
4. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





PLAN VIEW

Model	A INTAKE CLEARANCE mm.	B HYDRAFLO PUMP LENGTH mm.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE mm.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE mm.	E INTAKE FLANGE TO HORIZONTAL CENTERLINE OF DISCHARGE mm.	F DISCHARGE FLANGE TO CENTERLINE mm.	G INTAKE BELL CENTERLINE TO 45 PUMP CENTERLINE mm.	H DISCHARGE PIPE DIAMETER mm.	J MINIMUM WATER LEVEL FOR PUMP STARTING mm.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF mm.	L MINIMUM PUMP SPACING mm.	M MINIMUM PUMP SIDE WALL CLEARANCE mm.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING mm.
HAC308	122	727	701	608	819	92	64	219	630	330	610	305	229
HAC312	183	946	946	774	1080	133	122	324	818	330	914	457	343
HAC316	244	1059	1112	908	1227	168	129	406	1006	381	1219	610	457
HAC320	305	1283	1360	1123	1492	210	141	508	1194	432	1524	762	572
HAC324	366	1349	1500	1245	1603	254	143	610	1433	610	1829	914	686
HAC330	457	1678	1866	1555	1992	314	168	762	1753	635	2286	1143	857
HAC336	549	2062	2274	1889	2440	378	214	914	2088	813	2743	1372	1029
HAC342	640	2080	2423	2062	2521	441	162	1067	2393	813	3200	1600	1200
HAC348	732	2605	2930	2454	3109	505	249	1219	2662	1168	3658	1829	1372
HAC354	823	2608	3069	2611	3177	568	203	1372	2982	1168	4115	2057	1543
HAC360	914	2661	3243	2801	3292	632	159	1524	3327	1245	4572	2286	1715
HMF12	163	1033	987	856	1167	133	103	324	798	330	813	406	305
HMF16	217	1227	1203	1051	1395	168	104	406	979	381	1082	541	406
HMF20	264	1375	1384	1189	1584	210	140	508	1153	432	1356	678	509
HMF24	325	2249	2095	1851	2503	254	173	610	1443	572	1626	813	610
HMF30	406	2311	2263	1956	2626	314	215	762	1483	584	2032	1016	762
HMF42	569	2845	2893	2562	3286	441	203	1067	2322	838	2845	1422	1067

All dimensions are +/- 10mm.

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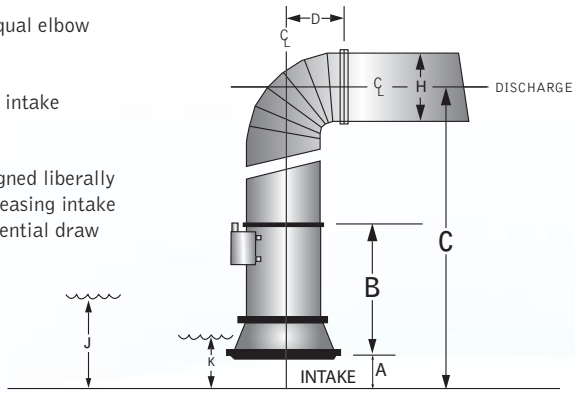
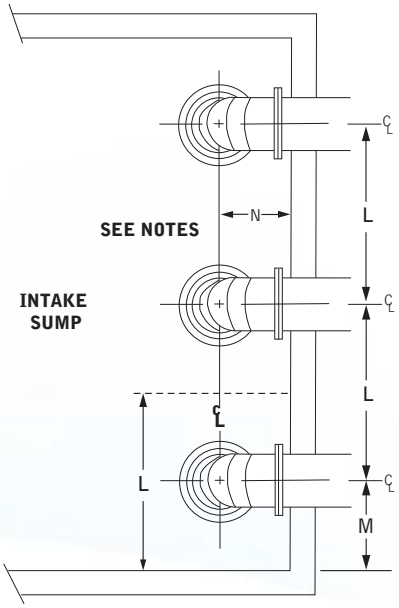
Vertical Hydraflo Water Pump
Single Stage Dimension Guide
U.S.

NOTES:

1. Dimensions shown are minimum and can be increased when required.
2. Dimensions shown are based on an equal elbow and pipe diameter.
3. Strainer bars on intake extend below intake flange opening.
4. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





Model	A RECOMMENDED INTAKE CLEARANCE in.	B HYDRAFLO PUMP LENGTH in.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE in.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE in.	H DISCHARGE PIPE DIAMETER in.	J MINIMUM WATER LEVEL FOR PUMP STARTING in.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF in.	L MINIMUM PUMP SPACING in.	M MINIMUM PUMP SIDE WALL CLEARANCE in.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING in.
HAC308	5	29	42	9	8.6	25	13	24	12	9
HAC312	7	29	48	13	12.8	32	13	36	18	14
HAC316	10	33	58	16	16.0	40	15	48	24	18
HAC320	12	39	71	20	20.0	47	17	60	30	23
HAC324	14	42	80	24	24.0	56	24	72	36	27
HAC330	18	52	100	30	30.0	69	25	90	45	34
HAC336	22	63	121	36	36.0	82	32	108	54	41
HAC342	25	64	131	42	42.0	94	32	126	63	47
HAC348	29	58	134	48	48.0	105	46	144	72	54
HAC354	32	82	169	54	54.0	117	46	162	81	61
HAC360	36	120	216	60	60.0	131	49	180	90	68
HMF12	6	33	51	13	12.8	31	13	32	16	12
HMF16	9	42	67	16	16.0	39	15	43	21	16
HMF20	10	54	85	20	20.0	45	17	53	27	20
HMF24	13	59	96	24	24.0	57	23	64	32	24
HMF30	16	77	123	30	30.0	58	23	80	40	30
HMF42	22	108	172	42	42.0	91	33	112	56	42

All dimensions are +/- 1/2 inch.

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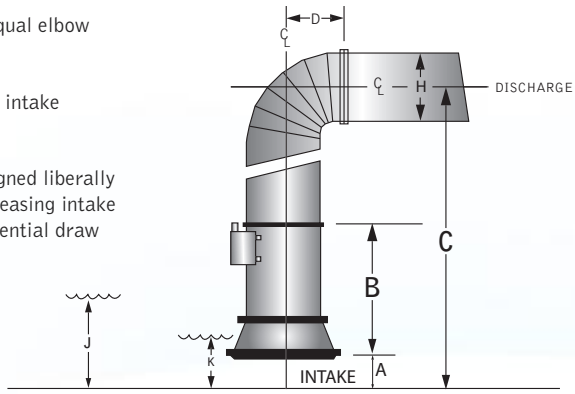
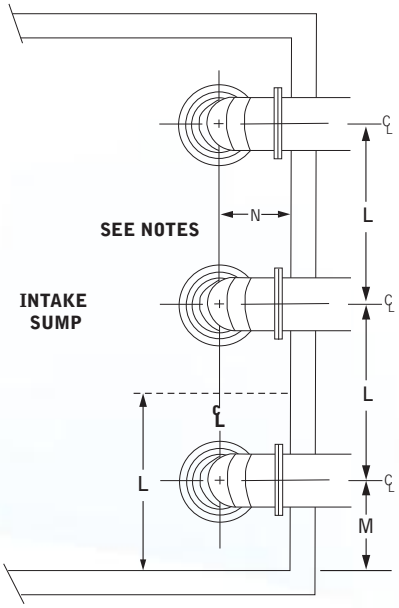
MOVING WATER INDUSTRIES
INTERNATIONAL HEADQUARTERS
201 N. Federal Highway Deerfield Beach, Florida 33441 USA Phone: (954) 426-1500 Fax: (954) 426-1582
E-mail: info@mwicorp.com www.mwipumps.com

Vertical Hydraflo Water Pump
Single Stage Dimension Guide
METRIC

NOTES:

1. Dimensions shown are minimum and can be increased when required.
2. Dimensions shown are based on an equal elbow and pipe diameter.
3. Strainer bars on intake extend below intake flange opening.
4. Depth of sump should always be designed liberally to accommodate possible future decreasing intake water levels and to maximize the potential draw down.





Model	A RECOMMENDED INTAKE CLEARANCE mm.	B HYDRAFLO PUMP LENGTH mm.	C SUMP FLOOR TO HORIZONTAL CENTERLINE OF DISCHARGE mm.	D CENTERLINE OF INTAKE BELL TO DISCHARGE FLANGE mm.	H DISCHARGE PIPE DIAMETER mm.	J MINIMUM WATER LEVEL FOR PUMP STARTING mm.	K MINIMUM WATER LEVEL FOR PUMP SHUT OFF mm.	L MINIMUM PUMP SPACING mm.	M MINIMUM PUMP SIDE WALL CLEARANCE mm.	N MAXIMUM PUMP CENTERLINE TO BACKWALL SPACING mm.
HAC308	122	730	1055	219	219	630	330	610	305	229
HAC312	183	730	1218	324	324	818	330	914	457	343
HAC316	244	832	1482	406	406	1006	381	1219	610	457
HAC320	305	992	1805	508	508	1194	432	1524	762	572
HAC324	366	1059	2034	610	610	1433	610	1829	914	686
HAC330	457	1319	2538	762	762	1753	635	2286	1143	857
HAC336	549	1608	3071	914	914	2088	813	2743	1372	1029
HAC342	640	1618	3325	1067	1067	2393	813	3200	1600	1200
HAC348	732	1465	3416	1219	1219	2662	1168	3658	1829	1372
HAC354	823	2094	4288	1372	1372	2982	1168	4115	2057	1543
HAC360	914	3056	5494	1524	1524	3327	1245	4572	2286	1715
HMF12	163	829	1296	324	324	798	330	813	406	305
HMF16	217	1067	1690	406	406	979	381	1082	541	406
HMF20	264	1376	2149	508	508	1153	432	1356	678	509
HMF24	325	1494	2429	610	610	1443	572	1626	813	610
HMF30	406	1956	3124	762	762	1483	584	2032	1016	762
HMF42	569	2743	4379	1067	1067	2322	838	2845	1422	1067

All dimensions are +/- 10mm.

MWI Moving Water Industries
CORPORATION
ESTABLISHED 1926

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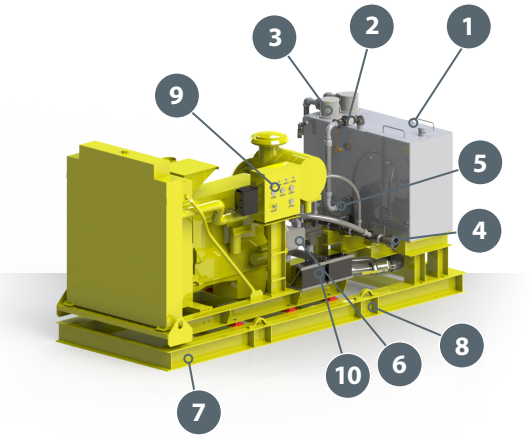
LARGE DIESEL DRIVE UNIT

POWERING HYDRAFLO™

MWI PUMPS
The Power to Move Water®

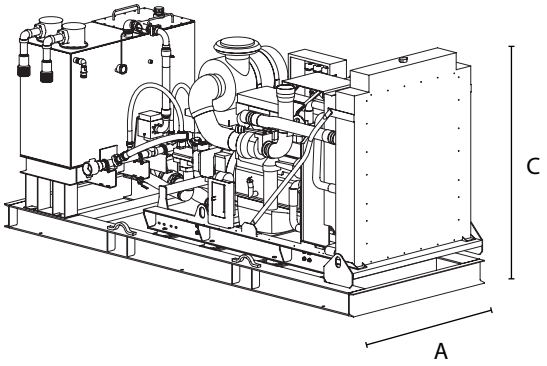


GENERAL INFORMATION									
Drive Model Number	Water Pump	Hydraulic Reservoir		Day Tank		Hose Connection (in.)			Diesel Engine (BHP Range)
		Gals.	Ltrs.	Gals.	Ltrs.	Return	Supply	Case Drain	HP @ 1800 RPM
3000D	30-36"	60	227	187	708	2	2	0.75	201-350
4200D	42-48"	225	852	100	379	2-2	2-2	0.75	351-575
6000D	54-60"	300	1136	200	757	2-2	2-2	1	576-800

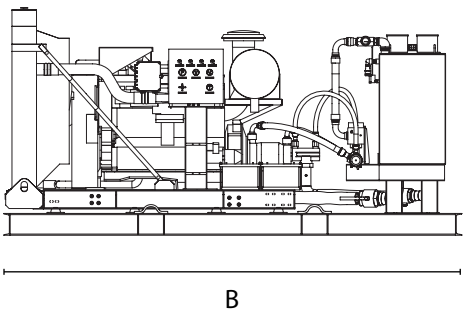
STANDARD FEATURES

1. Oil reservoir/heat exchanger
2. Hydraulic oil level switch gauge
3. Return filter
4. Quick couplers
5. Relief valve
6. Hydraulic pump
7. Heavy duty skid frame
8. Lifting eyes
9. Control panel
   - A. Suction strainer vacuum gauge
   - B. Hydraulic system pressure gauge
   - C. Oil temperature gauge
   - D. Failure reset
   - E. System loading valve
10. Battery

DIMENSIONS



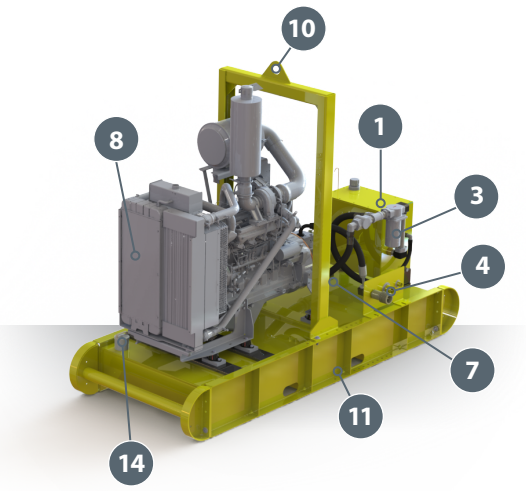
PHYSICAL DATA WITHOUT DAY TANK								
Drive Model Number	General Dimensions							
	A		B		C		Dry Weight (Approx.)	
	Ft.	Mts.	Ft.	Mts.	Ft.	Mts.	lbs.	kg.
3000D	4	1.22	12.50	3.81	7.17	2.18	7500	3402
4200D	6	1.83	13.33	4.06	8.77	2.67	9800	4445
6000D	7.33	2.24	16.33	4.98	8.25	2.51	15000	6804



PLATFORM DIESEL DRIVE UNIT

POWERING HYDRAFLO™ & DURAFLO™

MWI PUMPS
The Power to Move Water®



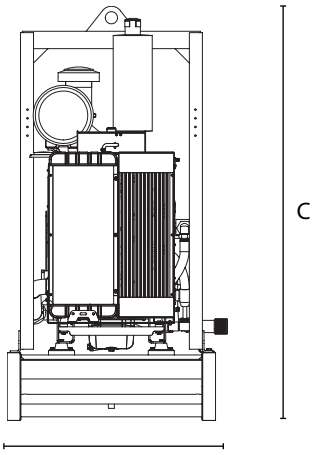
GENERAL INFORMATION									
Drive Model Number	Water Pump	Hydraulic Reservoir		Day Tank		Hose Connection (in.)			Diesel Engine (BHP Range)
		Gals.	Ltrs.	Gals.	Ltrs.	Return	Supply	Case Drain	HP @ 1800 RPM
800D	8″	10	38	78	295	1	0.75	0.75	≤ 35
1200D	12-16″	10	38	94	356	1.25	1	0.75	36-70
2000D	20″	15	57	94	356	1.5	1.25	0.75	71-100
2400D	24″	22	83	187	708	1.5	1.5	0.75	101-225

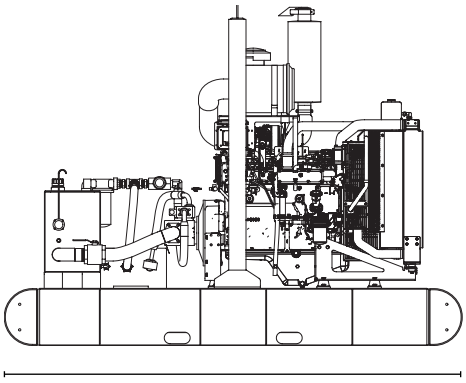
STANDARD FEATURES

1. Oil reservoir/heat exchanger
2. Hydraulic oil level switch gauge
3. Return filter
4. Quick couplers
5. Relief valve (not shown)
6. Suction strainer (below)
7. Hydraulic pump
8. Diesel engine
9. Engine controls
10. Lifting eyes (small frames only)
11. Heavy duty skid frame
12. Battery
13. Control Panel
    - A. Suction strainer vacuum gauge
    - B. Hydraulic system pressure gauge
    - C. Oil temperature gauge
    - D. Failure reset
    - E. System loading valve
14. Day tank

Items not shown: 2, 5, 6, 9, 12, 13

DIMENSIONS





PHYSICAL DATA								
Drive Model Number	General Dimensions							
	A		B		C		Dry Weight (Approx.)	
	Ft.	Mts.	Ft.	Mts.	Ft.	Mts.	lbs.	kg.
800D	3.08	0.94	7.75	2.36	5.44	1.66	2100	950
1200D	3.08	0.94	9.00	2.74	6.42	1.96	2500	1135
2000D	3.08	0.94	9.00	2.74	6.42	1.96	3100	1409
2400D	4.00	1.22	10.45	3.19	6.59	2.00	4300	1950

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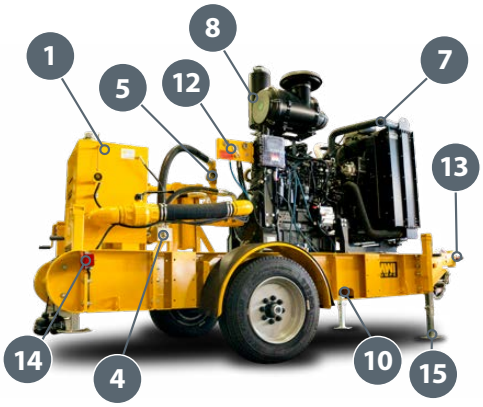
PORTABLE DIESEL DRIVE UNIT

POWERING HYDRAFLO™ & DURAFLO™

MWI PUMPS
The Power to Move Water®

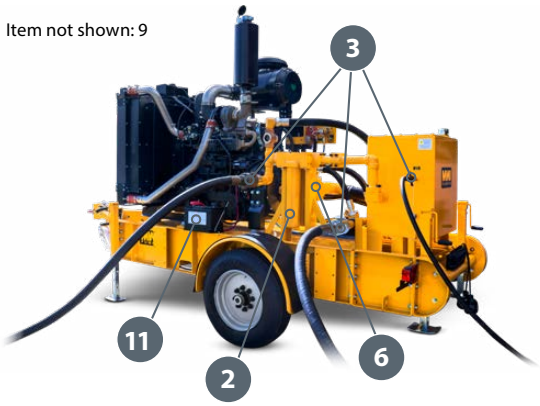
GENERAL INFORMATION									
Drive Model Number	Water Pump	Hydraulic Reservoir		Day Tank		Hose Connection (in.)			Diesel Engine (BHP Range)
		Gals.	Ltrs.	Gals.	Ltrs.	Return	Supply	Case Drain	HP @ 1800 RPM
800	8″	10	38	78	295	1	0.75	0.75	≤ 35
1200	12-16″	10	38	94	356	1.25	1	0.75	36-70
2000	20″	15	57	94	356	1.5	1.25	0.75	76-100
2400	24″	22	83	187	708	1.5	1.5	0.75	101-200

1. Oil reservoir/heat exchanger
2. Return filter
3. Quick couplers
4. Relief valve
5. Relief bypass sight indicator
6. Hydraulic pump
7. Diesel engine
8. Engine controls
9. Lifting eyes
10. Diesel reservoir

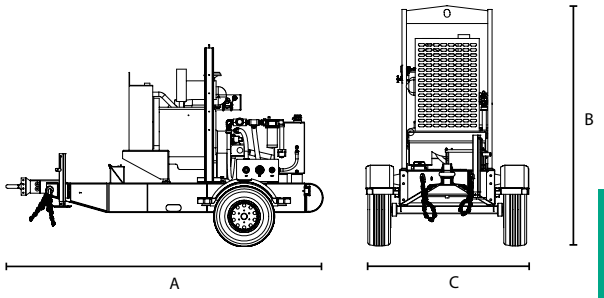


11. Battery
12. Hydraulic control panel
13. Hydraulic surge brake actuator
14. Tail lights
15. Tongue jack

Item not shown: 9



PHYSICAL DATA								
Drive Model Number	General Dimensions							
	A		B		C		Dry Weight (Approx.)	
	Ft.	Mts.	Ft.	Mts.	Ft.	Mts.	lbs	kg
800	11.00	3.35	7.71	2.35	5.58	1.70	2500	1135
1200	12.29	3.75	7.71	2.35	5.58	1.70	2900	1315
2000	12.29	3.75	7.71	2.35	5.58	1.70	3500	1590
2400	14.58	4.45	8.04	2.45	6.56	2.00	4800	2180



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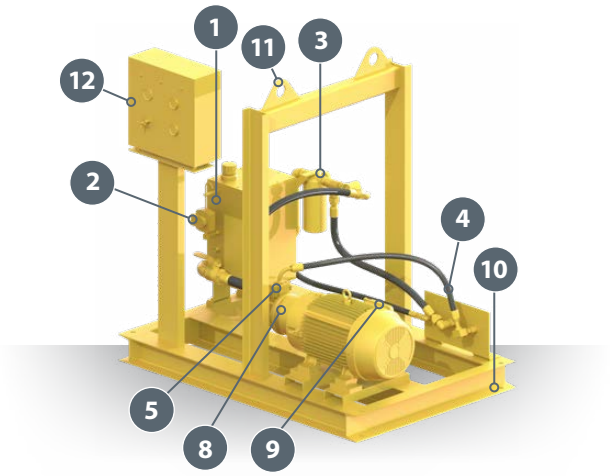
ELECTRIC DRIVE UNIT

POWERING HYDRAFLO™ & DURAFLO™

MWI PUMPS
The Power to Move Water®



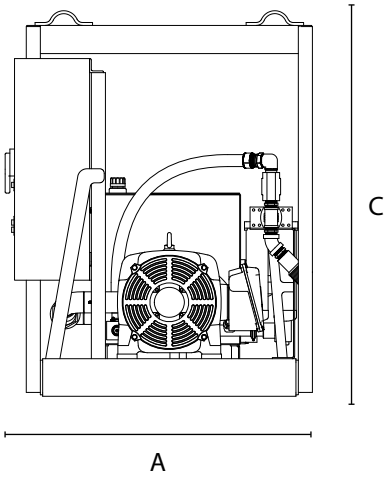
GENERAL INFORMATION							
Drive Model Number	Water Pump	Hydraulic Reservoir		Hose Connection (in.)			Electric Motor (BHP Range)
		Gals.	Ltrs.	Return	Supply	Case Drain	HP @ 1800 RPM
800	8″	10	38	1	0.75	0.75	≤35
1200	12-16″	10	38	1.25	1	0.75	36-70
2000	20″	15	57	1.5	1.25	0.75	76-100
2400	24″	22	83	1.5	1.5	0.75	101-200
3000	30-42″	40	151	2	2	0.75	201-350

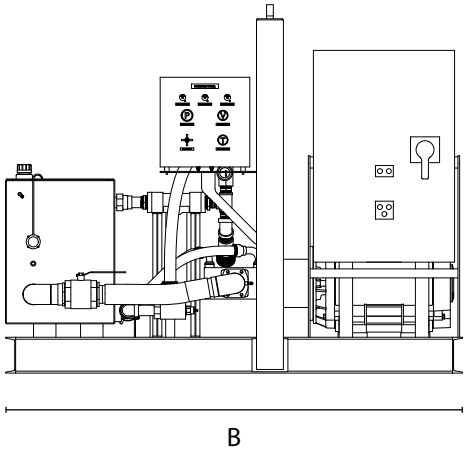
STANDARD FEATURES

1. Oil reservoir/heat exchanger
2. Hydraulic oil level switch gauge
3. Return filter
4. Quick couplers
5. Relief valve
6. Suction strainer
7. Hydraulic pump
8. Coupling
9. Electric motor
10. Heavy-duty skid frame
11. Lifting eyes
12. Control panel
    - A. Suction strainer vacuum gauge
    - B. Hydraulic system pressure gauge
    - C. Oil temperature gauge
    - D. Failure reset
    - E. System loading valve
13. Electric motor starter panel (optional)

Items not shown: 6, 7, 13

DIMENSIONS



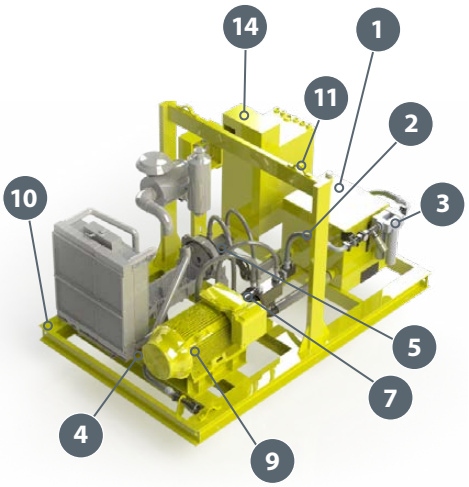


PHYSICAL DATA								
Drive Model Number	General Dimensions							
	A		B		C		Dry Weight (Approx.)	
	Ft.	Mts.	Ft.	Mts.	Ft.	Mts.	lbs	kg
800	4.00	1.22	6.00	1.83	5.60	1.71	1750	795
1200-2000	4.25	1.30	7.50	2.29	5.60	1.71	2100	950
2400	4.50	1.37	10.00	3.05	5.60	1.71	3000	1360
3000	5.19	1.58	12.50	3.81	6.67	2.03	4100	1860

DIESEL ELECTRIC DRIVE UNIT

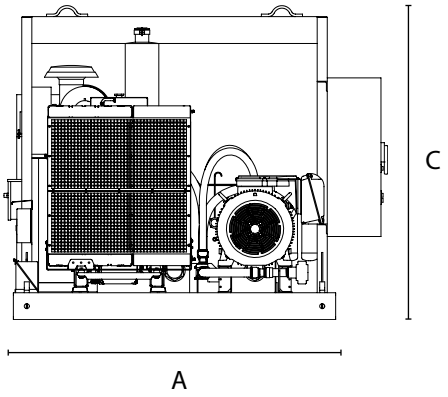
POWERING HYDRAFLO™ & DURAFLO™

MWI PUMPS
The Power to Move Water®

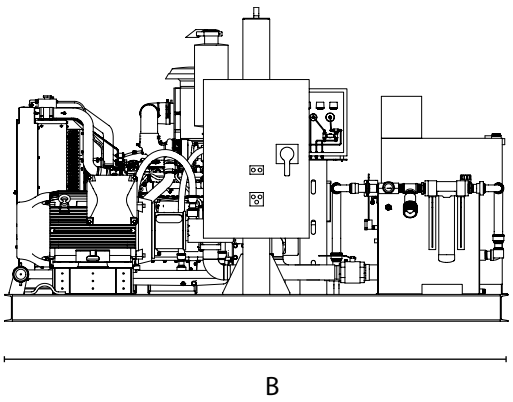


GENERAL INFORMATION									
Drive Model Number	Water Pump	Hydraulic Reservoir		Day Tank		Hose Connection (in.)			Diesel Engine (BHP Range)
		Gals.	Ltrs.	Gals.	Ltrs.	Return	Supply	Case Drain	HP @ 1800 RPM
800	8″	15	57	50	189	1	0.75	0.75	≤ 35
1200	12-16″	15	57	50	189	1.25	1	0.75	36-70
2000	20″	23	85	50	189	1.5	1.25	0.75	71-100
2400	24″	33	125	50	189	1.5	1.5	0.75	101-200
3000	30-36″	90	341	50	189	2	2	0.75	201-350
4200	42-48″	338	1278	100	379	2-2	2-2	0.75	351-575

1. Oil reservoir/heat exchanger
2. Hydraulic oil level switch gauge
3. Return filter
4. Quick couplers
5. Relief valve
6. Suction strainer (not shown)
7. Hydraulic pump
8. Coupling
9. Electric motor
10. Heavy-duty skid frame
11. Lifting eyes
12. Control panel
    - A. Suction strainer vacuum gauge
    - B. Hydraulic system pressure gauge
    - C. Oil temperature gauge
    - D. Failure reset
    - E. System loading valve
13. Electric motor starter panel (optional)
14. Day tank



PHYSICAL DATA								
Drive Model Number	General Dimensions							
	A		B		C		Dry Weight (Approx.)	
	Ft.	Mts.	Ft.	Mts.	Ft.	Mts.	lbs	kg
800/1200	6.00	1.83	10.00	3.05	7.17	2.18	3500	1585
2000/2400	7.25	2.21	11.50	3.51	7.17	2.18	5000	2270
3000	7.25	2.21	12.50	3.81	7.17	2.18	7000	3175
4200	8.00	2.44	15.00	4.57	8.25	2.51	12000	5445



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MWI PUMPS

Large Axial Flow & Mixed Flow Pumps

Submersible Electric

Moving Water Worldwide - Reliably and Efficiently

Submersible Electric Pumps from MWI

Submersible electric pumps have an impeller directly connected to a waterproof electric motor. These pumps have multiple configurations — vertical, horizontal, or any angle in between, canned or enclosed. They are quiet, low profile, and provide for easy maintenance. Submersible electric pumps are typically used in applications for storm water drainage, flood control, irrigation and final effluent pumping. They are available in sizes ranging from 8″ to 60″ in diameter.

Advantages

Efficient Drive System

The direct-coupled, waterproof motor and impeller eliminate long shafts and complex drive systems. This greatly simplifies the entire drive train, increasing reliability, and allowing ready access for maintenance.

Stainless Steel

MWI's submersible pumps come standard with stainless steel motor housings, impellers, and impeller wear rings. Corrosion resistant, high-strength A242/A588 steel is a available as a lower cost option, when stainless steel is not required or specified.

Superior Motor Winding Insulation

MWI uses premium insulation on its submersible pump motor stator windings. Several methods, to include Vacuum Pressure Impregnation (VPI) when appropriate, are used to provide superior heat transfer, moisture resistance, and mechanical strength.

Moisture and Heat Protection

Double mechanical seals are provided between the motor and the pumped liquid. A pressure compensation device is installed in the mechanical seal oil chamber to limit the oil pressure caused by thermal expansion. Electric motors are air filled and include a moisture detection probe. Thermal sensors are embedded in the motor stator windings for overheating protection.

Pump Lift-Out Option

The submersible pump can be housed in a discharge can which will allow the pump to be easily lifted out for routine maintenance.

Unlimited Angle of Installation

MWI's submersible pump can be placed at any angle for simple pump station design to reduce civil works costs.

Low Profile Applications

Since MWI's submersible pump can be placed at any angle, it can be utilized where low profile or aesthetically pleasing applications are required.

Non-Proprietary Bearings and Seals

MWI's submersible pumps use standard commercially available seals which are less costly than other manufacturers' proprietary spare parts.

Custom Design

MWI custom designs every submersible electric pump. This optimizes the pump to your application saving you money in installation and operation costs.

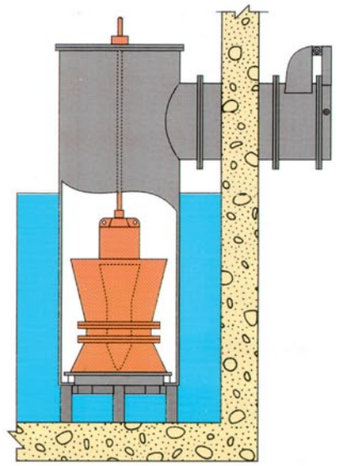
Configurations

MWI offers electric submersible pump units in high head mixed flow and low head axial flow propeller design. The compact unit configurations are achieved by building the thrust bearing housing and electric submersible motor into the bowl of the pump.

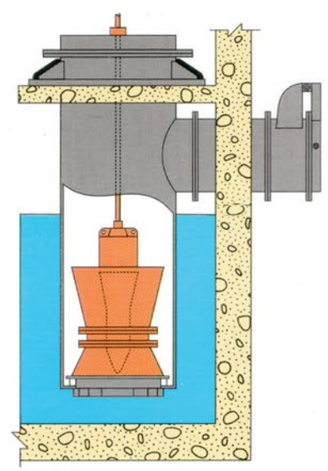
Consult factory for intermediate and larger size units not shown. A variety of discharge configurations are also available.

+1 (954) 426-1500

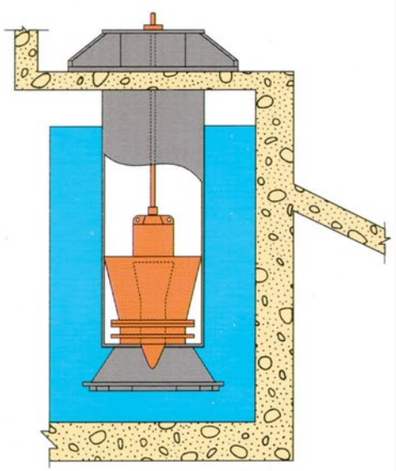
mwicorp.com/contact.shtml



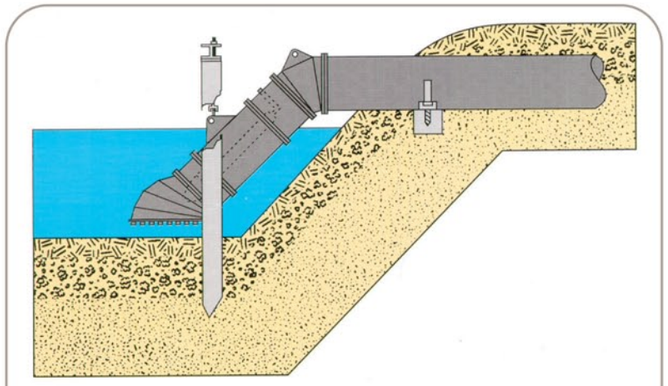
SELF-SUPPORTING VERTICAL CAN
- Horizontal discharge pipe
- Lift out pump with intake bell



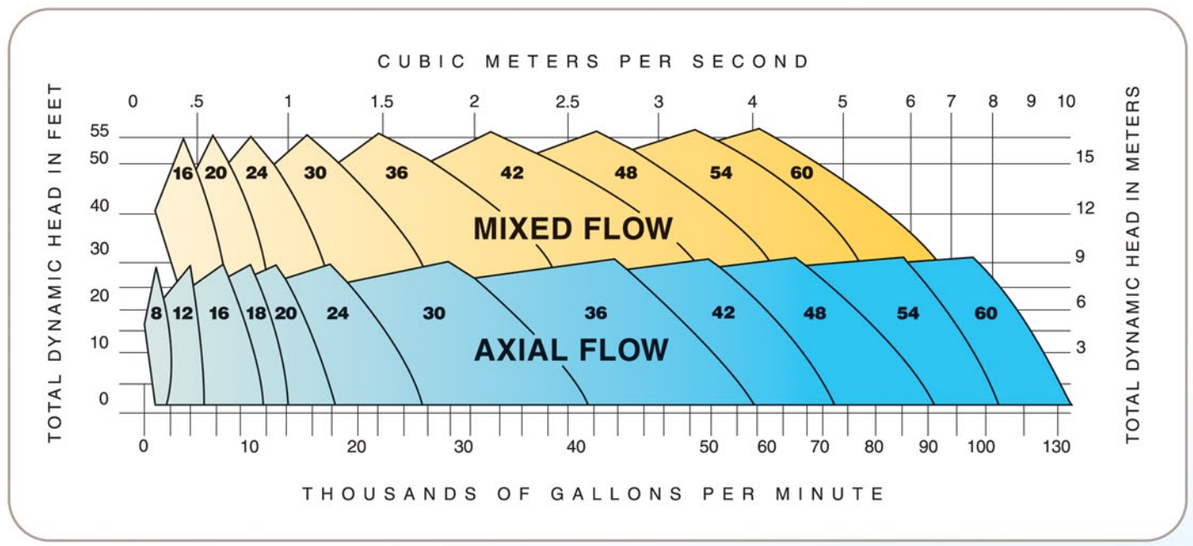
SUSPENDED VERTICAL CAN WITH INTAKE BELL
- Vertical discharge
- Lift out pump



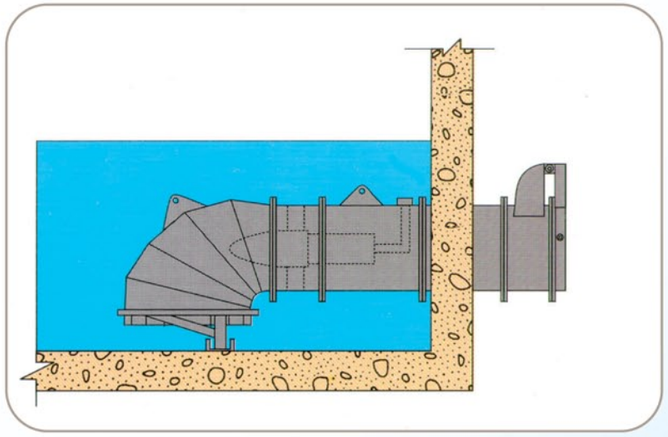
SUSPENDED VERTICAL CAN WITH INTAKE BELL
- Vertical discharge
- Lift out pump



45° PUMP WITH 45° INTAKE BELL
- Horizontal discharge pipe
- Simple support structure



Performance curves for each bowl size are available upon request.

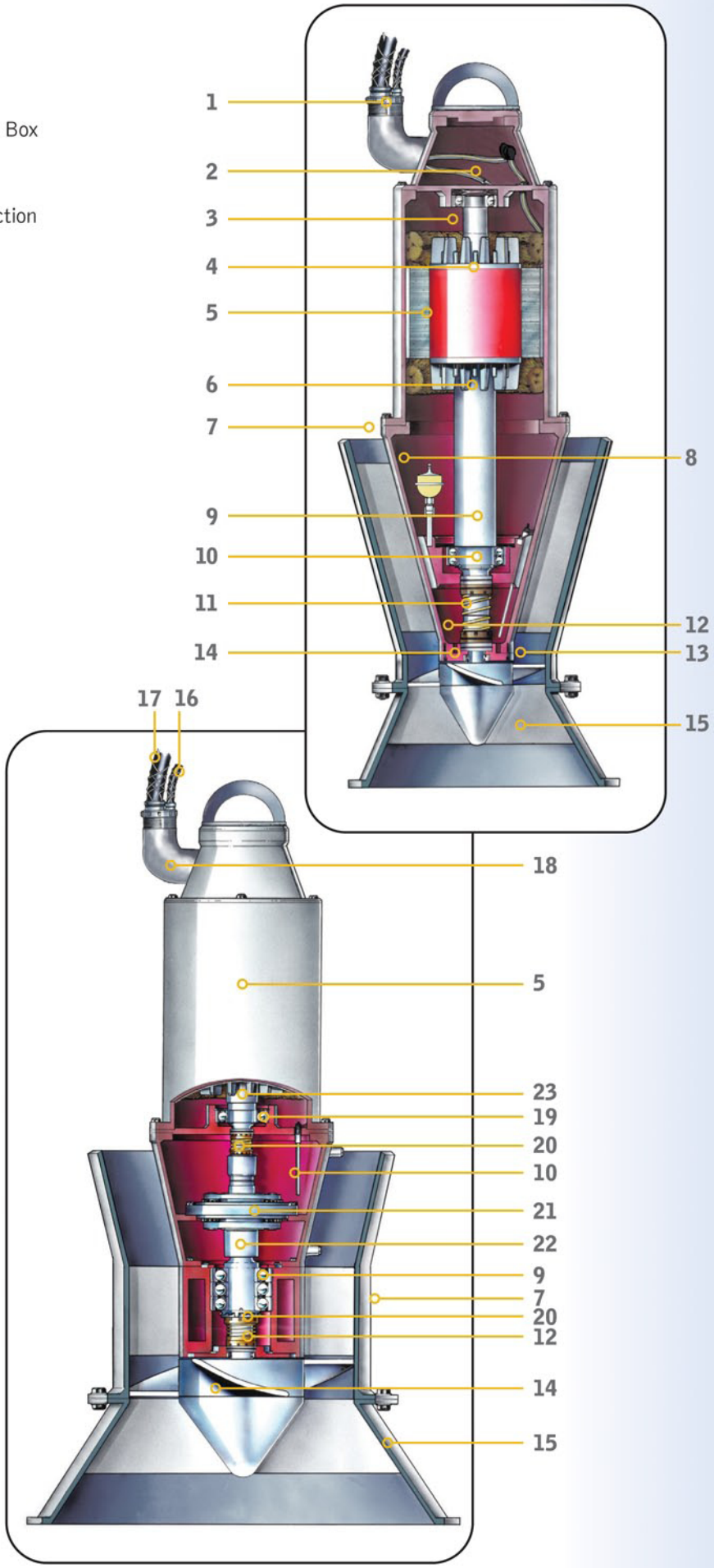


HORIZONTAL PUMP WITH 90° INTAKE BELL
(for use when low profile is desirable)

Internal Components

1. Wire Connection Chamber, Junction Box
2. Upper Support Bearing
3. Stator Winding with Thermal Protection
4. Dynamically Balanced Rotor
5. Motor Housing
6. Pump Shaft
7. Pump Bowl Assembly with Flow Straightening Vanes
8. Accumulator
9. Thrust Bearings
10. Moisture Detection Probe
11. Dual Mechanical Seals
12. Seal Protector
13. Optional Replaceable Liner
14. Propeller with Taper Lock Attachment
15. Intake Bell with Guide Vanes
16. Control Cable
17. Heavy Insulated Power Cable
18. Double Cable Seal
19. Intermediate Support Bearing
20. Mechanical Seal
21. Speed Reducer Assembly
22. Pump Bowl Shaft
23. Motor Shaft

Due to continual improvement of our products, we reserve the right to change designs and specifications.



MWI PUMPS

Large Axial Flow & Mixed Flow Propeller Pumps

Lineshaft

Moving Water Worldwide - Reliably and Efficiently

Lineshaft Pumps from MWI

Advantages • • •

Shaft & Bearings:

Shafts are made from high tensile strength polished alloy steel shafting that is stress relieved, turned, and ground. The lower areas of the shaft that are in contact with bearings or seals are inlayed with hardened stainless steel. The shaft is enclosed in a sealed, oil filled tube. The tube contains bronze bearings spaced to prevent operation of the shaft near its critical speed.

Column & Elbow:

The discharge column and elbow are manufactured from corrosion resistant ASTM A242 steel. The discharge elbow has multiple segments to allow for smooth and efficient flow. The elbow terminates with a flange and is also available with a plain or grooved end to accommodate compression type couplings.

Pump Bowl:

The pump bowl is designed to maintain the highest possible hydraulic efficiency. Because the bowl absorbs much of the hydraulic and mechanical stress, its heavy duty design features corrosion resistant ASTM A242 steel. Bowls can also be made from CAST iron or Stainless Steel.

One-Piece Pump

Simplicity of design is the hallmark of the MWI Couch one-piece pump. While using the same high efficiency hydraulic design common to all MWI Couch pumps, the one-piece pump features major components permanently welded together to form a rigid, factory aligned unit. Critical alignment of the bearings in the shaft enclosing tube is maintained by support spiders welded to the pump column and hood, and the unique stepped design of the bearings allows easy replacement with a minimum of pump disassembly.

Jointed Pump:

The MWI Couch jointed pump allows for complete disassembly of most pump components. The pump bowl is flanged to the column. Pump shaft bearings are threaded into shaft enclosing tube sections.

Mixed Flow Bowl:

For higher head applications the mixed flow bowl provides the highest pumping efficiency. Mixed flow bowls come standard with a throttle bearing and pressure relief vent to reduce the hydraulic pressure on the lower seals, thus increasing the life of the seals. A replaceable impeller bowl section is available as an option.

Thrust Bearings:

Where the pump is required to carry the hydraulic thrust load, the shaft is supported by heavy duty, duplex mounted angular contact ball bearings designed for a combination of thrust and radial loads and a minimum L10 life of 20,000 hours (higher life hours are available).

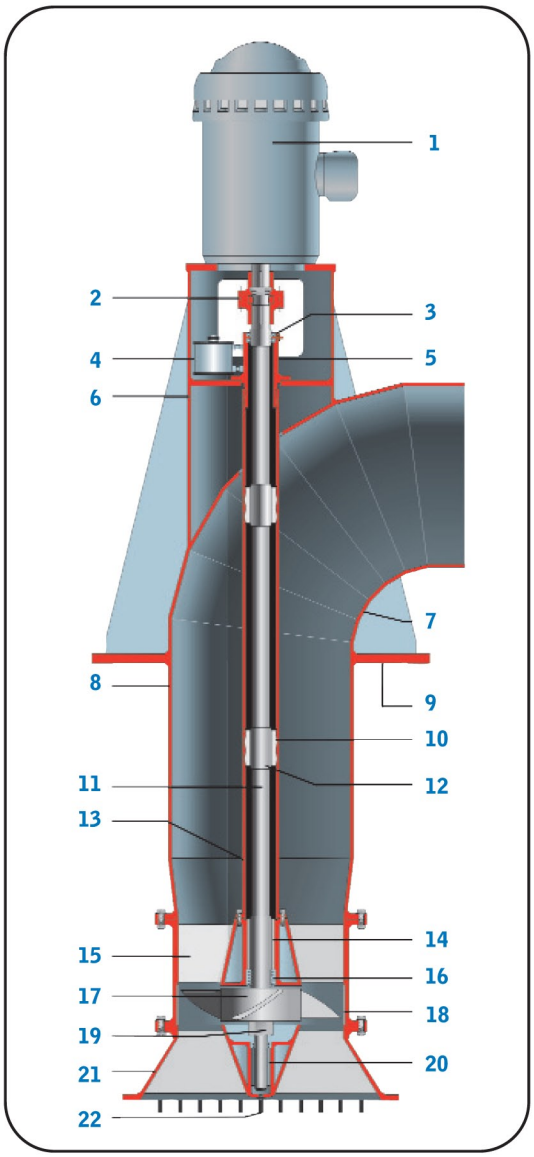
Thrust Bearing Housing:

For belt drive applications, a thrust bearing housing at the top of the pump, carries the radial load at the closest possible point to the load. A convenient lubrication port and vent are provided to add new grease and purge old grease from the bearings.

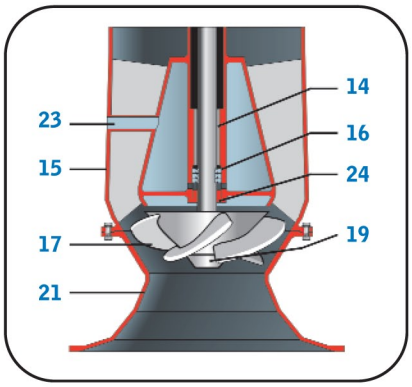
Internal Components

1. Solid Shaft Driver
2. Flanged Shaft Coupling
3. Enclosing Tube Seals
4. Oil Reservoir
5. Tube Tension Nut
6. Hood
7. Discharge Elbow
8. Column
9. Mounting Plate
10. Bearing/Tube Coupling
11. Pump Shaft
12. Shaft Wear Sleeves
13. Shaft Enclosing Tube
14. Bowl Bearing
15. Bowl
16. Bowl Seals
17. Propeller
18. Bowl Liner
19. Propeller Nut
20. Suction Bell Bearing
21. Suction Bell
22. Strainer Bars
23. Pressure Relief Vent
24. Throttle Bearing

Jointed Pump



Mixed Flow



Illustrations are subject to variation due to size, options, etc. Request certified drawings for construction.

Configurations

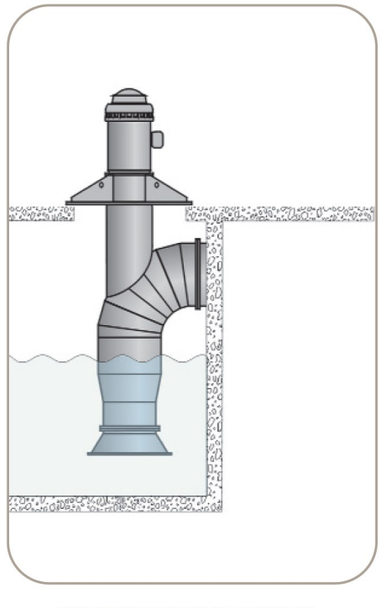
MWI offers various configurations for lineshaft pumps. Vertical with direct drive motors, right angle gears, or belt and pulley being the most common.

Angle lineshaft pumps are normally belt driven, but may be configured with right angle gears and diesel drives.

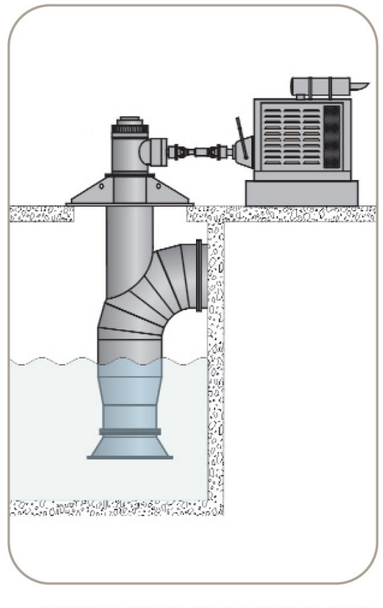
Consult factory for the solution to your pumping requirements.

+1 (954) 426-1500

mwicorp.com/contact.shtml

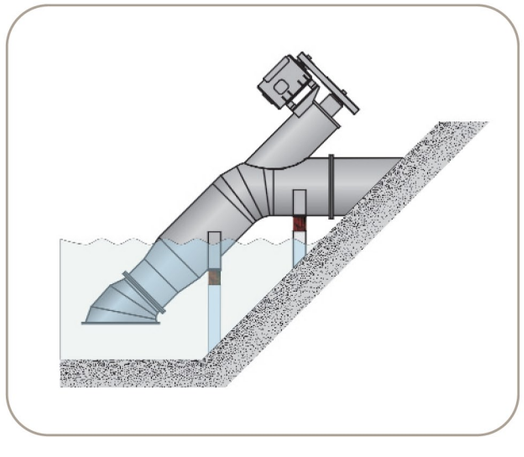


DIRECT DRIVE ELECTRIC MOTOR



ENGINE WITH GEAR DRIVE AND DRIVE SHAFT

- Optional direct drive electric motor



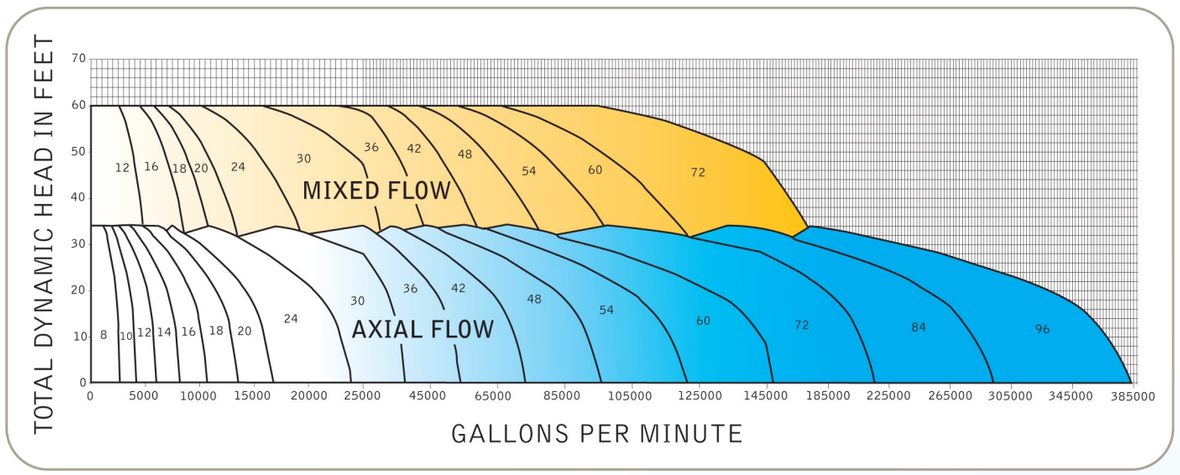
ELECTRIC MOTOR WITH BELT DRIVE

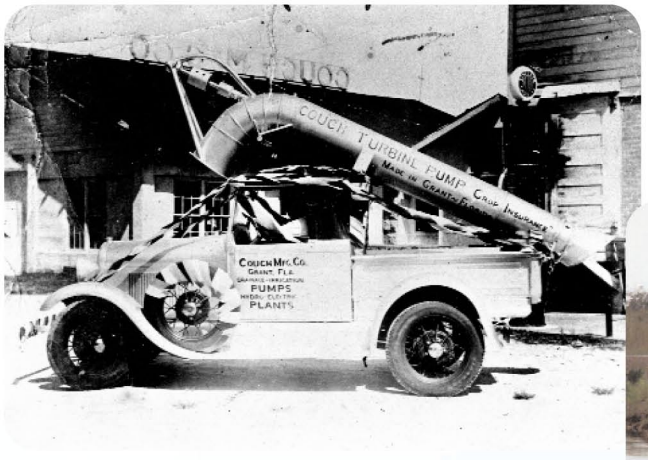
- Optional right angle gear

Features

- ISO 900I Certification and member of Hydraulic Institute standards
- Full size testing with certified curves
- Experienced engineering staff to insure your pumps are designed to match your needs and provide effective, efficient results.
- Choice of materials to match the environment and pumped media, such as 316L stainless steel
- Multiple drive unit configurations - electric, diesel or natural gas to provide you with the most reliable and cost effective situation
- Different configurations - horizontal, angled or vertical to provide maximum flexibility

Performance curves for each bowl size are available upon request.





MWI's international headquarters and extensive manufacturing capabilities are located in Deerfield Beach, Florida, very close to the original business.The manufacturing facilities are spread over 4 city blocks and total nearly 300,000 ft^2, to include a 10,000 ft^2 test lab. The company has a facility in Egypt and representatives throughout the United States, Latin America, Middle East, Africa and Asia.

MWI Moving Water Industries
CORPORATION
ESTABLISHED 1926

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MOVING WATER INDUSTRIES
INTERNATIONAL HEADQUARTERS

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Phone: (954) 426-1500 Fax: (954) 426-1582 E-mail: info@mwicorp.com www.mwicorp.com

MWI PUMPS

Large Axial Flow & Mixed Flow Propeller Pumps

Mobile Pumps

Moving Water Worldwide™ - Reliably and Efficiently

Mobile Pumps from MWI

Mobile Hydraflo™

The Mobile Hydraflo™ pump is a unique variant of the standard Hydraflo™ water pump and is a "complete pump station on wheels." The Hydraflo™ is a submersible axial or mixed flow pump driven by a hydraulic pump and motor through flexible hydraulic lines. This innovative design allows great flexibility, cost savings and speed in the placement of the pump. Since little to no civil works are required to install the Hydraflo™ pump system, total project costs can be reduced by up to 70%, the construction, design and installation time of building a pump station is eliminated, and its design allows the pump to become mobile.

The portability of the Mobile Hydraflo™ permits easy movement to various locations where large volumes of water need to be pumped. Everything needed for pumping is mounted on a trailer. This includes: the diesel engine, water pump, fuel tank, hydraulic oil reservoir, rigid discharge pipe, flexible discharge hose, and a complete safety shutdown system.

Mobile Lineshaft™

MWI's Mobile Lineshaft pump is a completely movable pump station on wheels. This low-maintenance lineshaft pump has a right-angle gear drive and is powered by either a diesel engine or an electric motor (which would require an external power source).

With over **50 years of experience in designing and building mobile pumps,** the frame of the Mobile Lineshaft pump has been engineered for safe operation at all angles without being anchored to a foundation. The lineshaft pump can be oil or water lubricated.

Mobile Lineshaft™ & Mobile Hydraflo™ Advantages

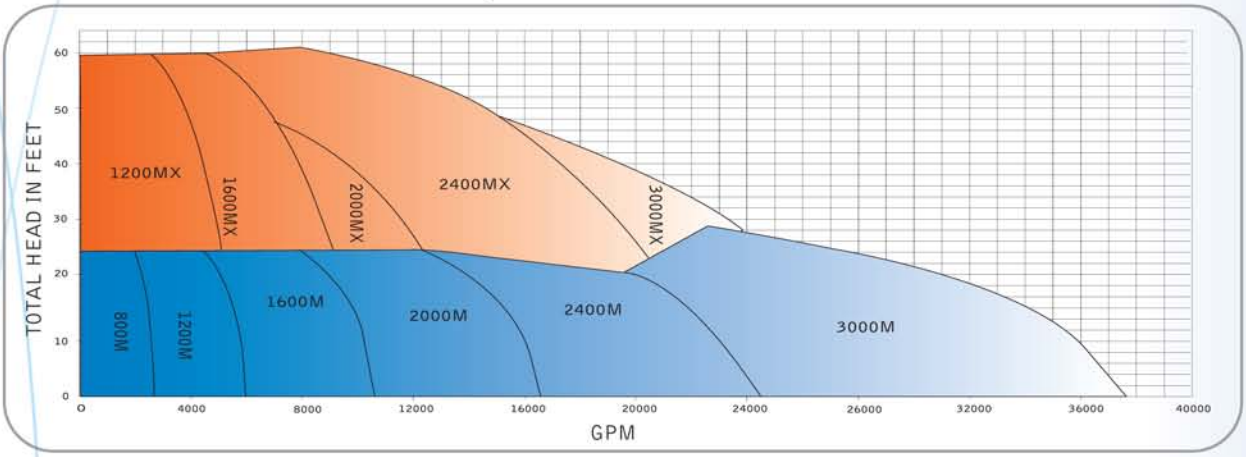
- Eliminates the heavy civil works required for a traditional lineshaft pump station
- Low operating cost
- High overall efficiency
- Can be easily moved to different locations
- Pump can be oil or water lubricated
- Experienced, quality manufacturing insures years of worry-free operation
- No additional lifting equipment required
- Fully self-contained pump station ready for the most demanding pump requirements
- One man installation- operational within minutes

Mobile Submersible Electric™

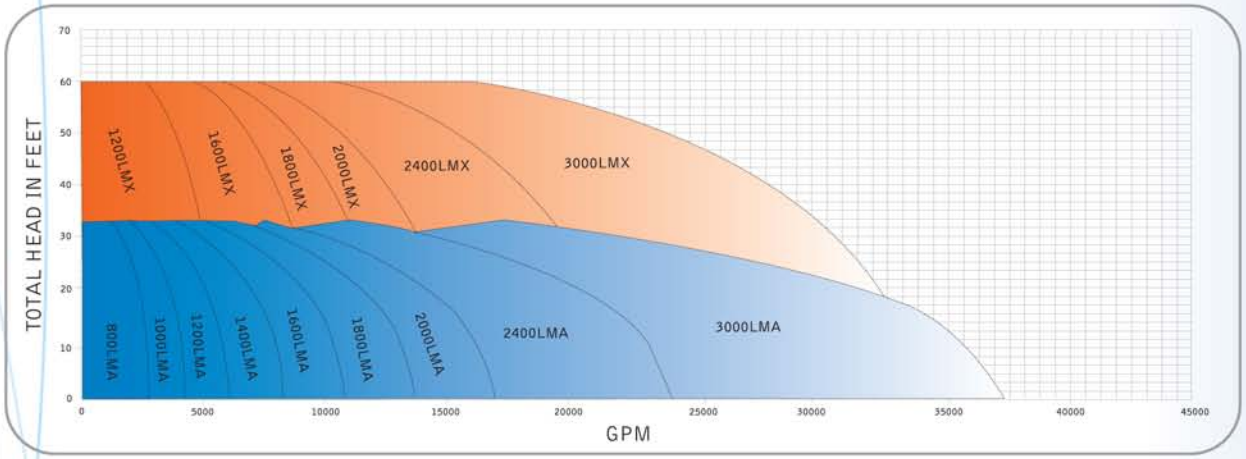
MWI offers a mobile submersible electric pump complete with generator and light tower. Sizes range from 8" to 16". These versatile units can be used to provide mobile generating power or portable lighting or the high volume flows that come only from an axial or mixed flow pump for serious water moving.

Performance and Physical Data

Mobile Hydraflo™ Performance Curves



Mobile Lineshaft™ Performance Curves

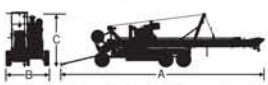


Physical Data

Model Number[1]	General Dimensions[1] A[3] Meters	A Ft.	B Meters	B Ft.	C Meters	C Ft.	Weight[4] (Approx) Lbs.	Kg.	Shipping Volume Meters	Feet	Type Diagrams displayed below	Front End
800M	7.32 3.66	24.0 12.0	1.83 1.83	6.00 6.00	2.13 2.13	7.00 7.00	2,500	1,134	- 14.4	- 509	I	Tow bar w/ pin[2]
1200M, 1200MX & 1600M	10.06 4.88	33.0 16.0	1.98 1.98	6.50 6.50	2.59 2.59	8.50 8.50	8,500	3,856	- 23.2	- 821	II	Steerable
2000M, 2000MX & 2400M	10.69 5.49	35.0 18.0	2.13 2.13	7.00 7.00	2.59 2.59	8.50 8.50	11,500	5,227	- 25.4	- 898	II	Steerable
3000M	15.55	51.0	2.21	7.25	3.05	10.0	28,000	12,727	78	2,750	III	Kingpin
1600LMA, 2000LMA & 2400LMA	11.89 6.71	39.0 22.0	2.68 2.21	8.80 7.25	2.90 2.59	9.50 8.50	10,500	4773	32.6	1152	II	Steerable
3000LMA & 3000LMX	16.76 11.89	55.0 39.0	2.94 2.21	9.66 7.25	3.66 3.05	12.00 10.00	25,000	11,364	68	2403	IV	Kingpin

Type I

Type II



Type III

Type IV

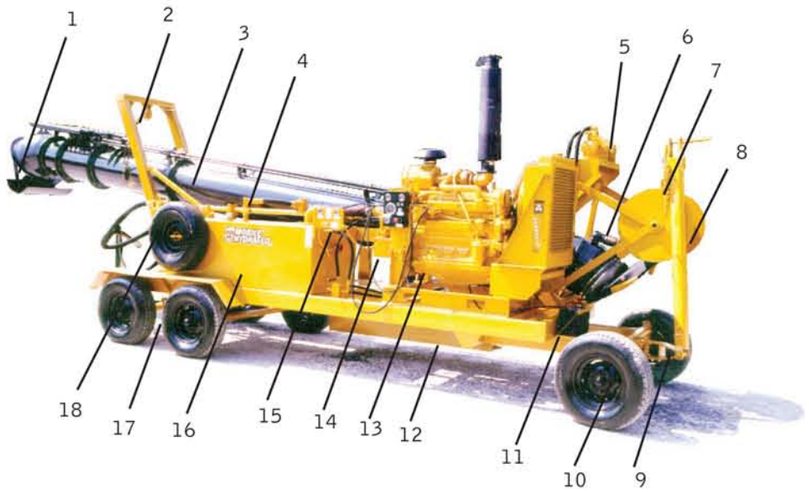
NOTES:
1. With the exception of the 800M, the first two digits in this number indicate pump propeller diameter in inches.
2. The tow bar is provided with a standard pin type arrangement.
3. Second line of dimensions indicate minimum shipping size.
4. Weights shown are without turntable option. Turntable weight: 5000 lbs. (2272kg).
5. For Platform pump dimensions, consult factory.

Approximations should not be used for design purposes. Please consult factory.
For the physical data on turntable and telescoping options, please consult factory.
Each Mobile is equipped with steel discharge pipe and a 45 degree elbow to match pump discharge and flexible discharge hose, respectively.

Mobile Hydraflo™ ••• Model 1800M Standard Equipment

The unit is simply backed into position. A hydraulic winch lowers and raises the water pump and discharge pipe for ease in loading and unloading. Flexible hoses are used to connect the pump to the diesel-engine-driven hydraulic system. After lowering the water pump to the desired position, the 50 feet of flexible discharge hose is unrolled to the point of discharge. There is no need to prime the pump. Once the diesel engine is activated, the mobile unit is ready for the pumping operation. MWI Mobile Hydraflo™ pumps have been used worldwide for agricultural irrigation, storm drainage, dewatering, emergency pumping, and almost any application for moving large volumes of water.

1. Hydraflo™ Water Pump with 45° Intake
2. Crane / Boom / Track Assembly
3. 20 Feet (6.1m) of Discharge Pipe
4. Sight Glass
5. Hydraulic Winch
6. 45° Elbow and Vacuum Breaker
7. 50ft. (15.2m) of Flexible Discharge Hose
8. Discharge Hose Winch (manual)
9. Tow Bar
10. Steerable Front End
11. Battery
12. Day Tank
13. Diesel Engine
14. Hydraulic Pump
15. Hydraulic Control Panel
    - A. Hydraulic System Pressure Gauge
    - B. Suction Vacuum Gauge
    - C. Oil Temperature Gauge
    - D. Failure Reset
    - E. System Loading Valve
16. Oil Reservoir
17. Wheel / Spring / Axle Assembly
18. Spare Tire



Watch the video at http://www.mwicorp.com/mobile-hydraflo-video.php

For applications where space is limited — like dams, levees, dikes, etc., MWI created the Turntable Mobile Hydraflo™ Our engineers developed this model for increased maneuverability. The turntable option is highly recommended when reversing pumping locations regularly in a confined space. It is capable of hydraulically raising and lowering the entire unit off the ground, providing 180 degree rotation in either direction.

This unit is designed with plumbing that consists of a special hose carrier that feeds the hydraulic oil to the water pump. The water pump can operate at any rotated position without having to disconnect or re-connect the flexible hydraulic hoses.

Turntable Mobile Hydraflo™ in action •••

The turntable mechanism in traveling position.

Mobile Lineshaft™ •••

30" Mobile pump bypassing permanent pumps.

MWI's Mobile Lineshaft pump is a complete movable pump station on wheels. This low-maintenance lineshaft pump has a right-angle gear drive and is powered by either a diesel engine or an electric motor. With over **50 years of experience in designing and building mobile pumps**, the frame of the Mobile Lineshaft pump has been engineered for smooth operation at all angles. The lineshaft pump can be oil or water lubricated. It can be operated at several angles without being supported at the bottom. For customers looking for an efficient, movable, high volume pump at an affordable cost, MWI's Mobile Lineshaft pump is the answer.

Platform Pumps™ •••

MWI's Platform Pumps™ are semi-mobile for temporary or permanent applications. They require minimum civil works and can be re-located if conditions change.

MWI PUMPS

MWI's Mobile Pumps are protected by one or more of the following patents and patents pending: US Patents: #4,138,202, #6,447,260, #6,520,750, #4,188,788, #6,113,356, #4,350,476, #4,138,202, #3,907,463, #4,070,135, #4,797,067, #3,270,677

MWI Moving Water Industries
CORPORATION
ESTABLISHED 1926

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MOVING WATER INDUSTRIES
INTERNATIONAL HEADQUARTERS

201 N. Federal Highway Deerfield Beach, Florida 33441 USA
Phone: (954) 426-1500 Fax: (954) 426-1582 E-mail: info@mwicorp.com www.mwipumps.com

PRIMERITE™ CT004A

4" X 4" AUTOMATIC DRY SELF-PRIMING TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction Dewatering

Sewage Bypass

Flood Drainage

Mining/Quarries

Municipal

General Industrial

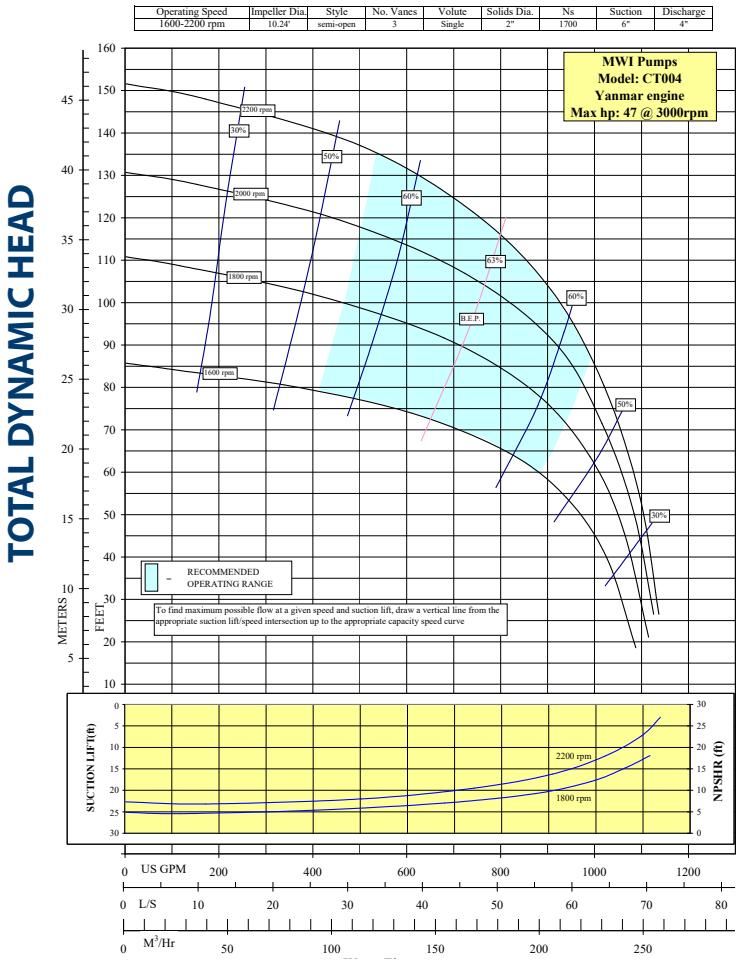
The Primerite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The pump's oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

FEATURES

- Primes and reprimes automatically
- Solids handling up to 2"
- Engine driven compressor
- Vacuum and discharge pressure gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Torsion bar axle
- Integral 78 fuel tank with gauge
- Skid or optional trailer-mounted
- DOT light kit available
- Hydraulic surge brakes standard, electric brakes available
- Front and rear stabilizing jacks
- 3" Lunette ring for pintle hitch – Other options available
- Lifting bail
- Volute drain
- Heavy-duty truck tie downs
- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- 4" ANSI Pattern flanges – Suction and discharge
- Optional float activated, auto start/stop controls
- Manufactured in the USA

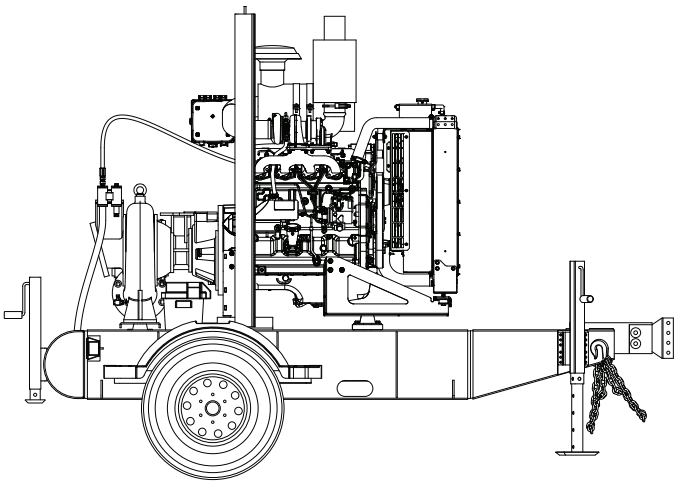
QUICK SPECIFICATIONS	
Suction connection	4" 150# ANSI B16.5
Delivery connection	4" 150# ANSI B16.5
Max capacity	1300 GPM
Max solids handling	2"
Max impeller diameter	10.2"
Max head (TDH)	152'
Max operating speed	2200 RPM
Max suction lift	28'
Dimensions	65 x 93 x 132"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	At 47 HP; up to 24 hr run time

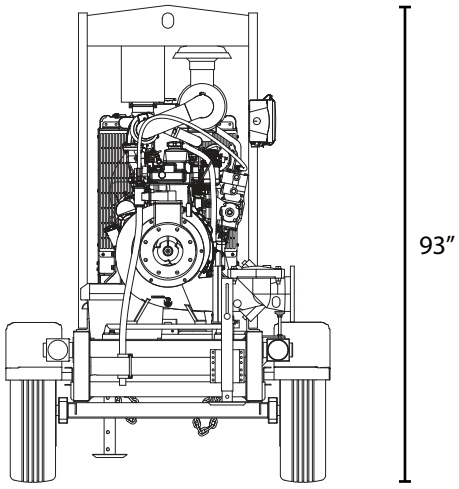
PERFORMANCE CURVE



MATERIALS & SPECIFICATIONS	
Standard engine	Yanmar engine (Caterpillar, Perkins, John Deere and Deutz available)
Max HP	47 HP
Fuel capacity	78 Gal
Drive type	Flywheel direct drive flexible element
Impeller	CA-40 Corrosion resistant iron/chromium alloy
Volute	Ductile cast iron ASTM A536 grade 70-50-05
Pump shaft	1045 Steel; Stainless steel option
Compressor	Engine-driven, oil lubricated and water cooled
Priming assembly	304 Stainless steel venturi
Control panel	Tach and hour meter, including shutdowns for low oil pressure, high coolant temperature, Plug-N-Play and float-ready
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Mechanical seal	Stainless steel with silicon carbide faces; Buna elastomers
Weight of trailer mounted unit	2650 lbs (dry)

DIMENSIONS





MWI Pumps Headquarters
33 NW 2nd St | Deerfield Beach, FL 33441

Inquiries: 954-426-1500 | Fax: 954-426-8938 | Email: info@mwipumps.com | **mwipumps.com**

PRIMERITE™ CT006

6" X 6" AUTOMATIC DRY SELF-PRIMING TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction Dewatering

Sewage Bypass

Flood Drainage

Mining/Quarries

Municipal

General Industrial

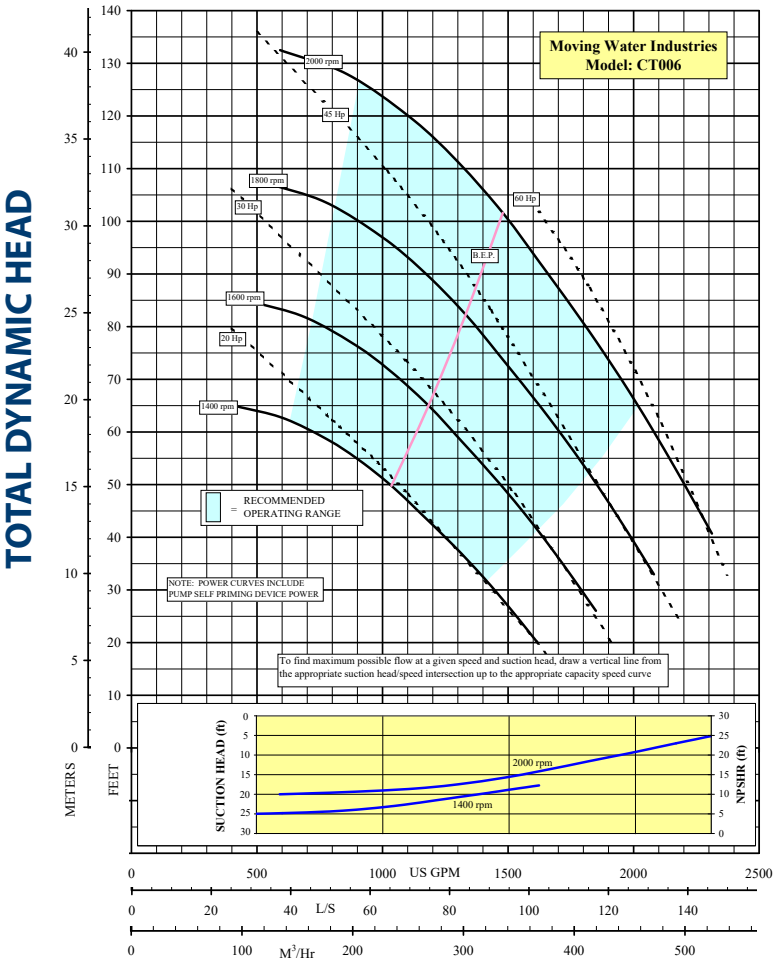
The Primerite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The pump's oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

FEATURES

- Primes and reprimes automatically
- Solids handling up to 3"
- Engine driven compressor
- Vacuum and discharge pressure gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Torsion bar axle
- Integral 78 fuel tank with gauge
- Skid or optional trailer-mounted
- DOT light kit available
- Hydraulic surge brakes standard, electric brakes available
- Front and rear stabilizing jacks
- 3" Lunette ring for pintle hitch – Other options available
- Lifting bail
- Volute drain
- Heavy-duty truck tie downs
- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- 6" ANSI Pattern flanges – Suction and discharge
- Optional float activated, auto start/stop controls
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	2300 USGPM
Max solids handling	3.0"
Max impeller diameter	10.8"
Max head (TDH)	145'
Max operating speed	2000 RPM
Max suction lift	25'
Dimensions	65 x 93 x 132"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	At 67 HP; up to 20 hr run time

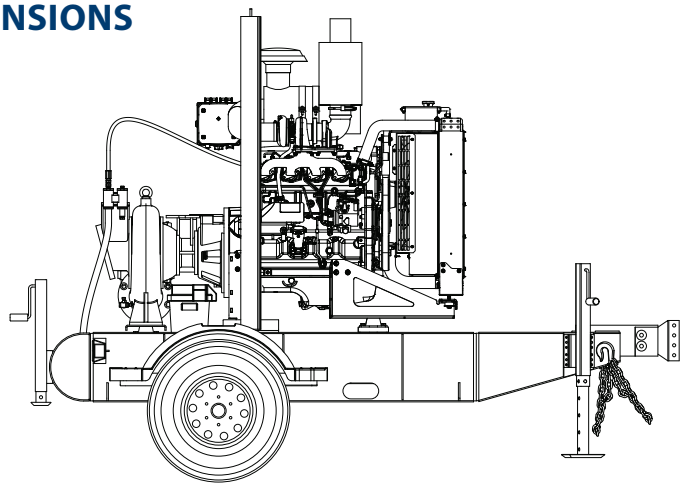
PERFORMANCE CURVE

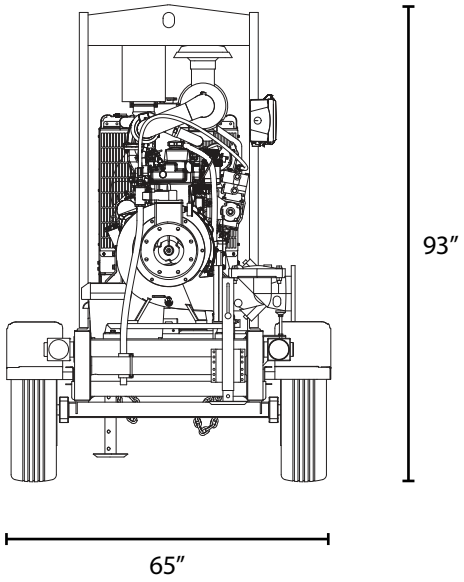


WATER FLOW

MATERIALS & SPECIFICATIONS	
Standard engine	John Deere 4045TF290
Max HP	74 HP
Fuel capacity	78 Gal
Drive type	Flywheel direct drive flexible element
Impeller	CA-40 Corrosion resistant iron/chromium alloy
Volute	Ductile cast iron ASTM A536 grade 70-50-05
Pump shaft	1045 Steel; Stainless steel option
Compressor	Engine-driven, oil lubricated and water cooled
Priming assembly	304 Stainless steel venturi
Control panel	Tach and hour meter, including shutdowns for low oil pressure, high coolant temperature, Plug-N-Play and float-ready
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Mechanical seal	Stainless steel with silicon carbide faces; Buna elastomers
Weight of trailer mounted unit	3450 lbs (dry)

DIMENSIONS





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Inquiries: 954-426-1500 | Fax: 954-426-8938 | Email: info@mwipumps.com | **mwipumps.com**

PRIMERITE™ CT008

8" X 8" AUTOMATIC DRY SELF-PRIMING TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction Dewatering

Sewage Bypass

Flood Drainage

Mining/Quarries

Municipal

General Industrial

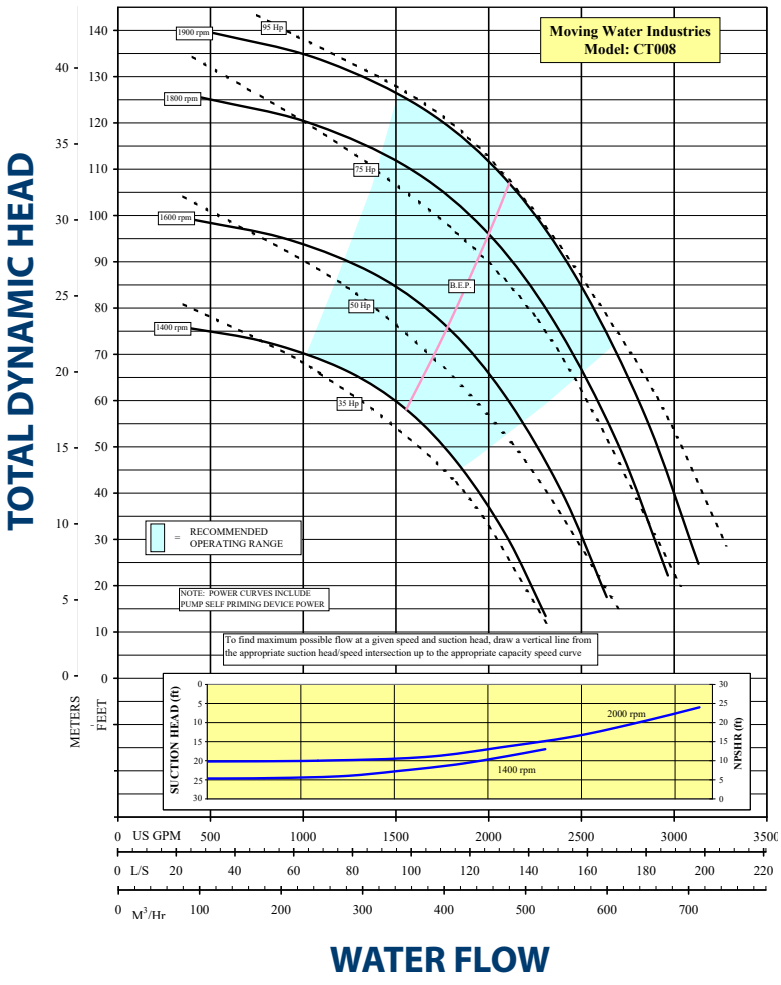
The Primerite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The pump's oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

FEATURES

- Primes and reprimes automatically
- Solids handling up to 3.125"
- Engine driven compressor
- Vacuum and discharge pressure gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Torsion bar axle
- Integral 94 fuel tank with gauge
- Skid or optional trailer-mounted
- DOT light kit available
- Hydraulic surge brakes standard, electric brakes available
- Front and rear stabilizing jacks
- 3" Lunette ring for pintle hitch – Other options available
- Lifting bail
- Volute drain
- Heavy-duty truck tie downs
- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- 8" ANSI Pattern flanges – Suction and discharge
- Optional float activated, auto start/stop controls
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	8" 150# ANSI B16.5
Delivery connection	8" 150# ANSI B16.5
Max capacity	3750 GPM
Max solids handling	3.125"
Max impeller diameter	12.2"
Max head (TDH)	140'
Max operating speed	1900 rpm
Max suction lift	24'
Dimensions	65 x 96 x 148"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	At 75 HP; up to 24 hr run time

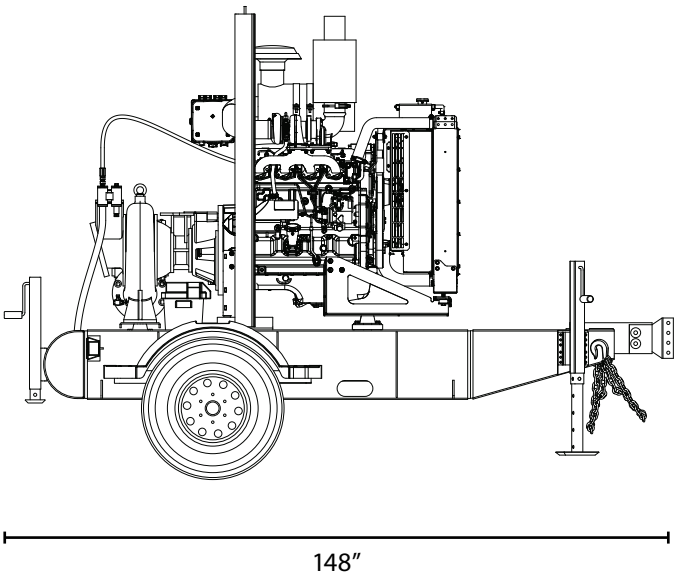
PERFORMANCE CURVE

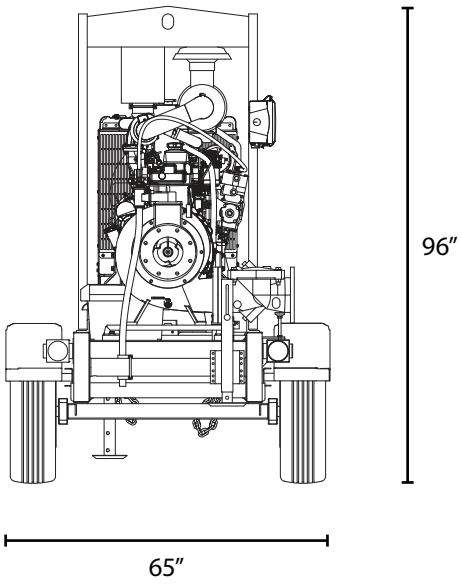


MATERIALS & SPECIFICATIONS

Standard engine	John Deere 4045HF280 (Caterpillar, Perkins, John Deere and Deutz available)
Max HP	99 HP
Fuel capacity	94 Gal
Drive type	Flywheel direct drive flexible element
Impeller	CA-40 Corrosion resistant iron/chromium alloy
Volute	Ductile cast iron ASTM A536 grade 70-50-05
Pump shaft	1045 Steel; Stainless steel option
Compressor	Engine-driven, oil lubricated and water cooled
Priming assembly	304 Stainless steel venturi
Control panel	Tach and hour meter, including shutdowns for low oil pressure, high coolant temperature, Plug-N-Play and float-ready
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Mechanical seal	Stainless steel with silicon carbide faces; Buna elastomers
Weight of trailer mounted unit	3900 lbs (dry)

DIMENSIONS





MWI Pumps Headquarters
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PRIMERITE™ CT012

12" X 12" AUTOMATIC DRY SELF-PRIMING TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction Dewatering

Sewage Bypass

Flood Drainage

Mining/Quarries

Municipal

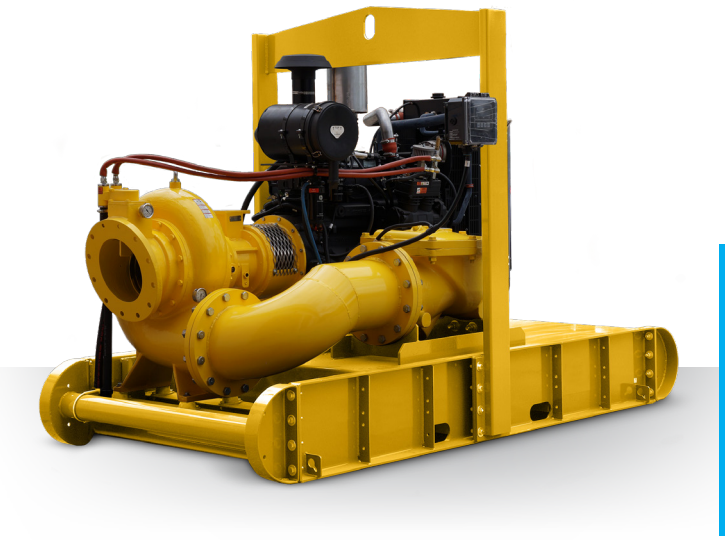
General Industrial

The Primerite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The pump's oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

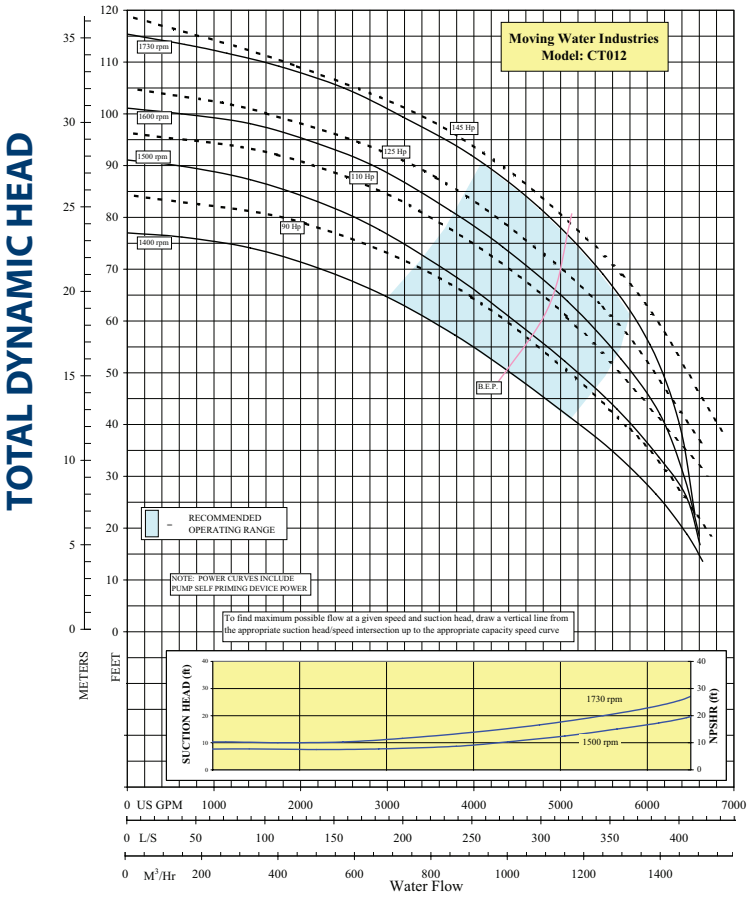
FEATURES

- "Enviro-Safe" priming system, designed for no product leakage
- Solids handling to 3.125"
- Vacuum and discharge pressure gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Torsion bar axle
- Integral 198 gallon fuel tank with gauge
- Skid or optional trailer-mounted
- DOT light kit available
- Hydraulic surge brakes standard, electric brakes available
- Front and rear stabilizing jacks
- 3" Lunette ring for pintle hitch – Other options available
- Lifting bail
- Volute drain
- Heavy-duty truck tie downs
- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- 12" ANSI Pattern flanges – Suction and discharge
- Optional float activated, auto start/stop controls
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	12" 150# ANSI B16.5
Delivery connection	12" 150# ANSI B16.5
Max capacity	6500 GPM
Max solids handling	3.125"
Max impeller diameter	13.8"
Max head (TDH)	117'
Max operating speed	1730 RPM
Max suction lift	24'
Dimensions	63 x 83 x 128"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	Up to 24 hrs



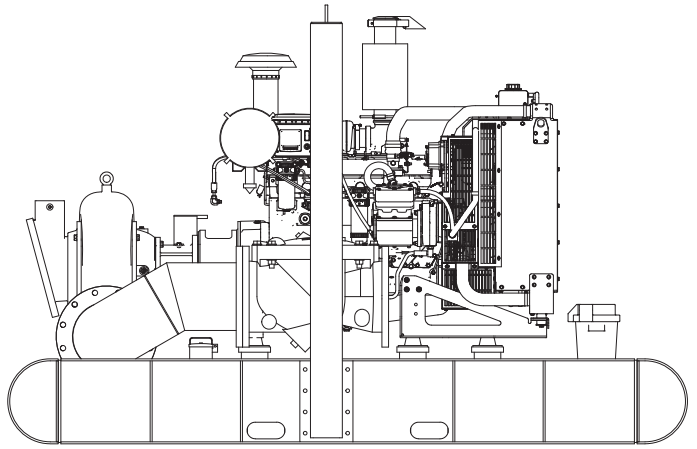
PERFORMANCE CURVE

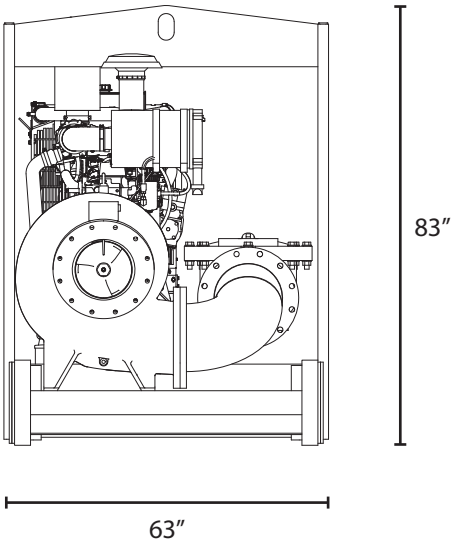


WATER FLOW

MATERIALS & SPECIFICATIONS	
Standard engine	John Deere 6068HF285 (Caterpillar, Perkins, John Deere and Deutz available)
Max HP	156 HP
Fuel capacity	198 Gal
Drive type	Flywheel direct drive flexible element
Impeller	Abrasion resistant materials
Volute	Ductile cast iron ASTM A536 grade 70-50-05
Pump shaft	1045 Steel; Stainless steel option
Compressor	Engine-driven, oil lubricated and water cooled
Priming assembly	304 Stainless steel venturi
Control panel	Tach and hour meter, including shutdowns for low oil pressure, high coolant temperature, Plug-N-Play and float-ready
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Mechanical seal	Stainless steel with silicon carbide faces; Buna elastomers
Weight of trailer mounted unit	7500 lbs (dry)

DIMENSIONS





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PRIMERITE™ CT012E

12" X 12" AUTOMATIC DRY SELF-PRIMING TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction Dewatering

Sewage Bypass

Flood Drainage

Mining/Quarries

Municipal

General Industrial

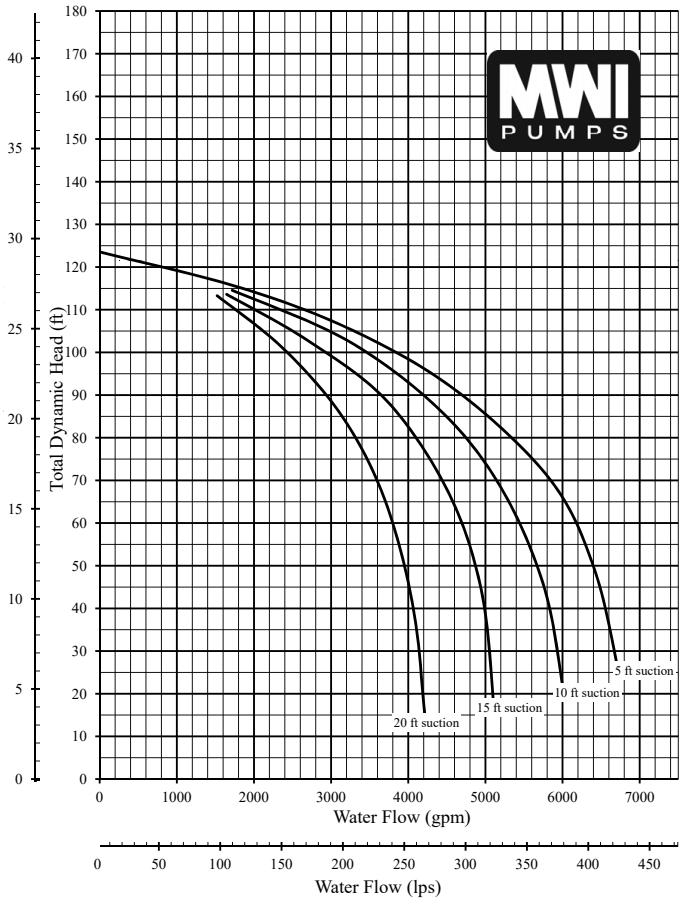
The Primerite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The pump's oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long for up to 24 hours, making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. This pump is completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

FEATURES

- Primes and reprimes automatically
- Belt driven compressor is air cooled and oil lubricated
- Vacuum and discharge pressure gauge
- Forklift slots (skid models)
- Skid mounted
- Heavy-duty truck tie downs
- Lifting bail
- Motors - U.S., WEG or equivalent
- Volute drain
- 12" ANSI Pattern flanges – Suction and discharge
- Optional float activated, auto start/stop controls
- NEMA 3R pump control panel
- Optional VFD for variable speed

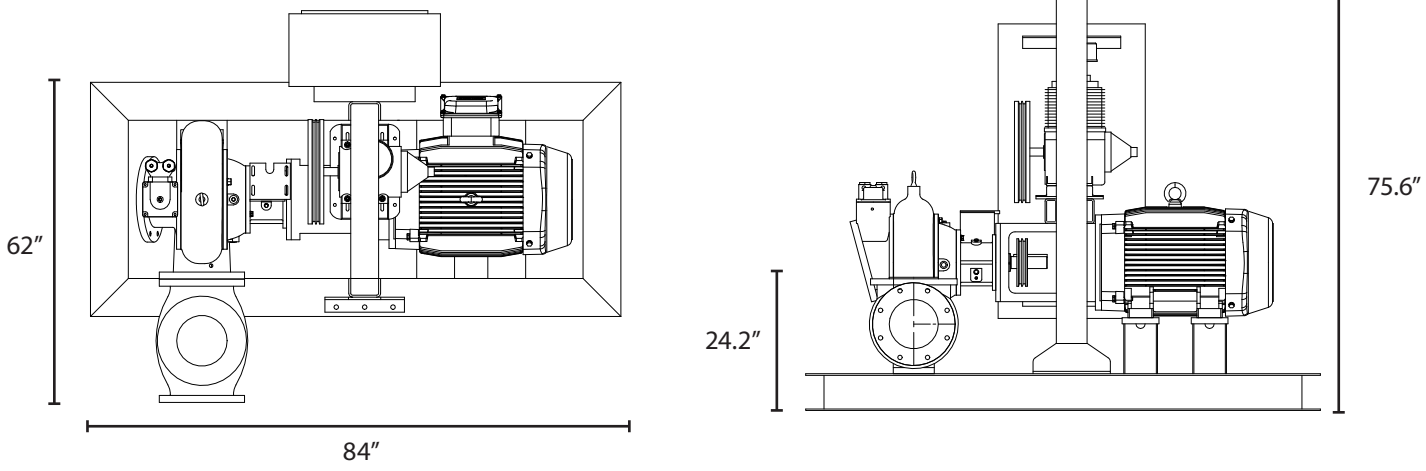
QUICK SPECIFICATIONS	
Suction connection	12" 150# ANSI B16.5
Delivery connection	12" 150# ANSI B16.5
Max capacity	6000 GPM
Max solids handling	3"
Max impeller diameter	13.8"
Max head (TDH)	90'
Max operating speed	1780 RPM
Max suction lift	24'
Dimensions	62 x 75.6 x 84"
Sound levels w/ enclosure	67 dBA at 7M / 23'

PERFORMANCE CURVE



MATERIALS & SPECIFICATIONS	
Motor enclosure	TEFC
Motor HP	150 HP
Drive type	Direct drive replaceable element
Impeller	Abrasion resistant materials
Volute	Ductile cast iron ASTM A536 grade 70-50-05
Pump shaft	1045 Steel; Stainless steel option
Compressor	Oil lubricated and air cooled
Priming assembly	304 Stainless steel venturi
Discharge non-return valve	Val-matic swing flex check valve ASTM A536 grade 65-45-12
Mechanical seal	Stainless steel with silicon carbide faces; Buna elastomers
Weight	6000 lbs

DIMENSIONS



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DURAFLO™ HTC004

HYDRAULIC SUBMERSIBLE TRASH PUMP AND 800D DRIVE UNIT

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI Duraflo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for drying out construction excavations, quarry dewatering, sewage bypass, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. These pumps never quit – positively affecting your success and bottom line.

FEATURES

Duraflo™ - HTC004

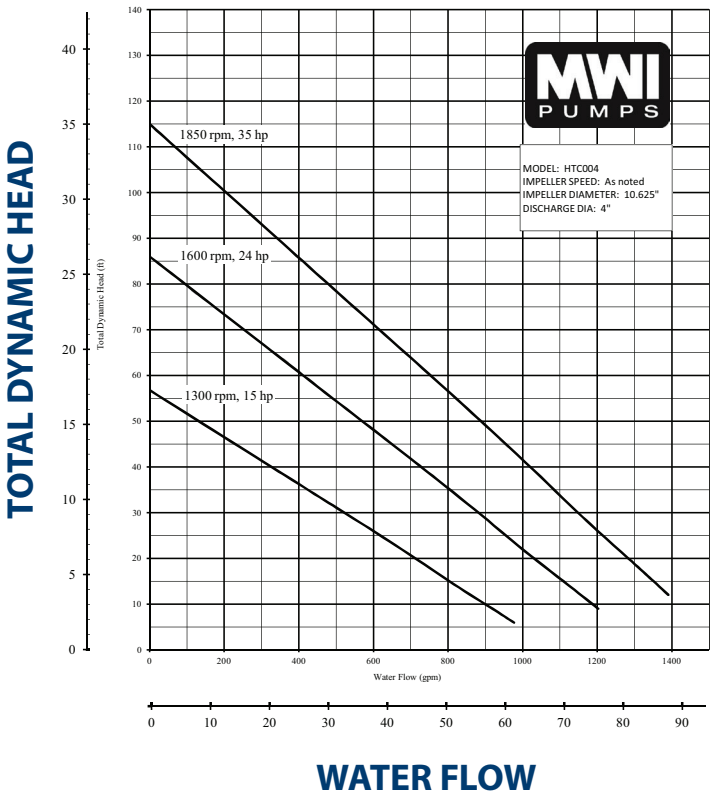
- Open 3 bladed impeller for handling trash and sewage
- Easily passes 3" solids
- Runs dry indefinitely with oil lubricated seals and bearings
- Reliable, rugged vane hydraulic motor
- Lifting point
- Weldable and shock proof cast steel volute
- Manufactured in the USA

800D Diesel Engine Drive Unit

- Skid mounted unit standard
- Trailer mounted unit available with optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete hydraulic system with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient vane hydraulic pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto start/stop panel available with floats
- Manufactured in the USA

QUICK SPECIFICATIONS	
Delivery connection	4" Male NPT
Max capacity	1400 GPM
Max solids handling	3"
Max impeller diameter	10.6"
Max head (TDH)	115'
Max hydraulic system pressure	2700 PSI
Dimensions	Unit: 17 x 42" / Drive: 74.5 x 37 x 93"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	2.8 gal/hr at 47 HP; 28 hr run time

PERFORMANCE CURVE



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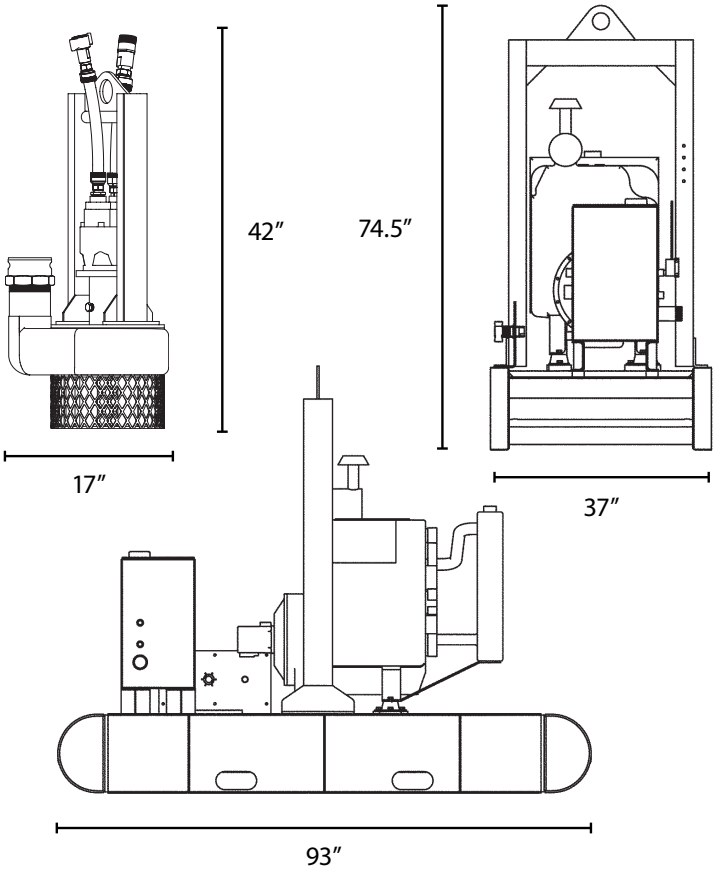

MATERIALS & SPECIFICATIONS	
DURAFLO™ HTC004	
Hydraulic motor	Vane type
Impeller	3 Bladed open - A36 Steel
Shaft material	300 Series stainless steel
Volute	High strength, cast steel-nautilus design
Delivery connection	4″ Male NPT
Hose ports	1″ Return, .75″ Supply
Bearings	Grease lubricated - 50,000 hrs minimum life
Weight	175 lbs
Coating	Epoxy

800D DRIVE UNIT	
Engine	800 Diesel engine
Engine power	47 HP
Control panel with safety shutdowns	Including tach, hour meter, high coolant temperature and high/low oil pressure/temperature, excessive vacuum shutdowns plus over speed protection
Fuel tank	78 Gallon vented fuel tank with extra large filler and fuel gauge
Fluid tank	10 Gallon hydraulic
Equipped standard	Internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap
Hydraulic oil	AW 68
Weight	2800 lbs (skid)

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DURAFLO™ HTC006

HYDRAULIC SUBMERSIBLE TRASH PUMP AND 1200D DRIVE UNIT

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI Duraflo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for drying out construction excavations, quarry dewatering, sewage bypass, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. These pumps never quit – positively affecting your success and bottom line.

FEATURES

Duraflo™ - HTC006

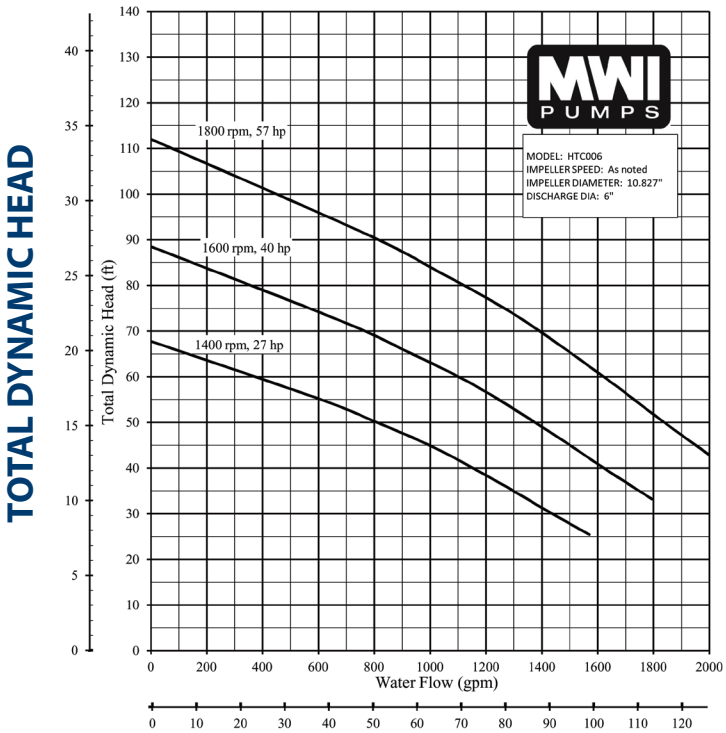
- Open 3 bladed impeller for handling trash and sewage
- Easily passes 3" solids
- Runs dry indefinitely with oil lubricated seals and bearings
- Reliable, rugged vane hydraulic motor
- Lifting point
- Weldable and shock proof cast steel volute
- Manufactured in the USA

1200D Diesel Engine Drive Unit

- Skid mounted unit standard
- Trailer mounted unit available with optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete hydraulic system with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient vane hydraulic pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto start/stop panel available with floats
- Manufactured in the USA

QUICK SPECIFICATIONS	
Delivery connection	6" Male NPT
Max capacity	2000 GPM
Max solids handling	3"
Max impeller diameter	10.8"
Max head (TDH)	115'
Max hydraulic system pressure	2700 PSI
Dimensions	Unit: 22.5 x 46" / Drive: 37 x 77 x 108"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	4.2 gal/hr at 75 HP; 22.5 hr run time

PERFORMANCE CURVE



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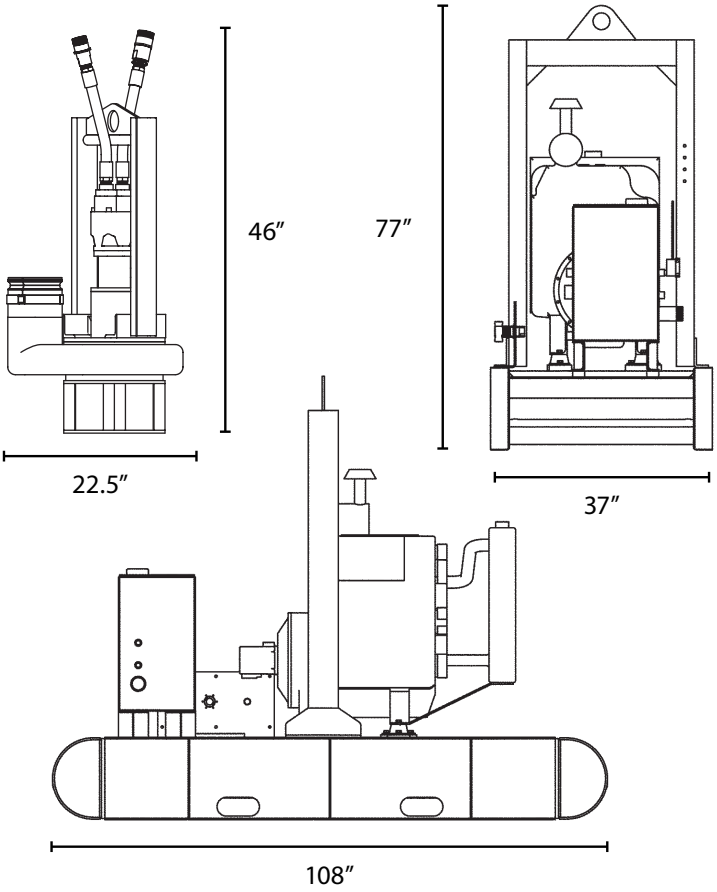

MATERIALS & SPECIFICATIONS	
DURAFLO™ HTC006	
Hydraulic motor	Vane type
Impeller	Cast stainless (CA40)
Shaft material	300 Series stainless steel
Volute	High strength, cast steel-nautilus design
Delivery connection	6" Male NPT
Hose ports	1.25" Return, 1" Supply
Bearings	Grease lubricated - 50,000 hrs minimum life
Weight	315 lbs
Coating	Epoxy

1200D DRIVE UNIT	
Engine	JD 4045 (FT4)
Engine power	75 HP
Control panel with safety shutdowns	Including tach, hour meter, high coolant temperature and high/low oil pressure/temperature, excessive vacuum shutdowns plus over speed protection
Fuel tank	94 Gallon vented fuel tank with extra large filler and fuel gauge
Fluid tank	10 Gallon hydraulic
Equipped standard	Internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap
Hydraulic oil	AW 68
Weight	3600 lbs (skid)

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DURAFLO™ HTC008

HYDRAULIC SUBMERSIBLE TRASH PUMP AND 2000D DRIVE UNIT

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI Duraflo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for drying out construction excavations, quarry dewatering, sewage bypass, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. These pumps never quit – positively affecting your success and bottom line.

FEATURES

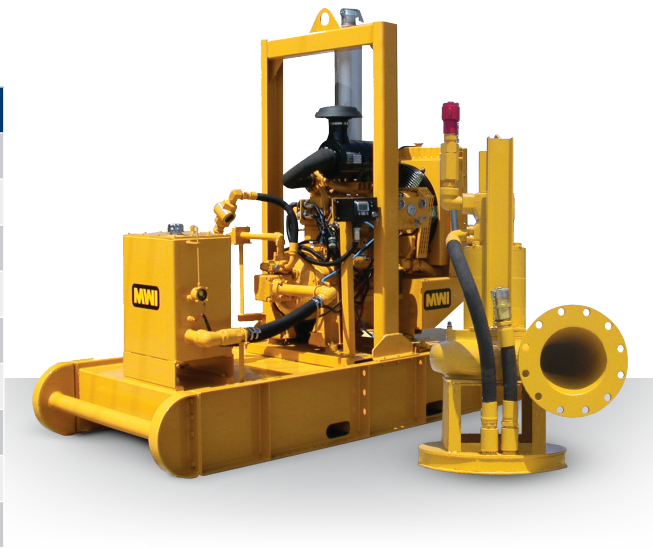
Duraflo™ - HTC008

- Open 3 bladed impeller for handling trash and sewage
- Easily passes 3.125" solids
- Runs dry indefinitely with oil lubricated seals and bearings
- Reliable, rugged vane hydraulic motor
- Lifting point
- Weldable and shock proof cast steel volute
- Manufactured in the USA

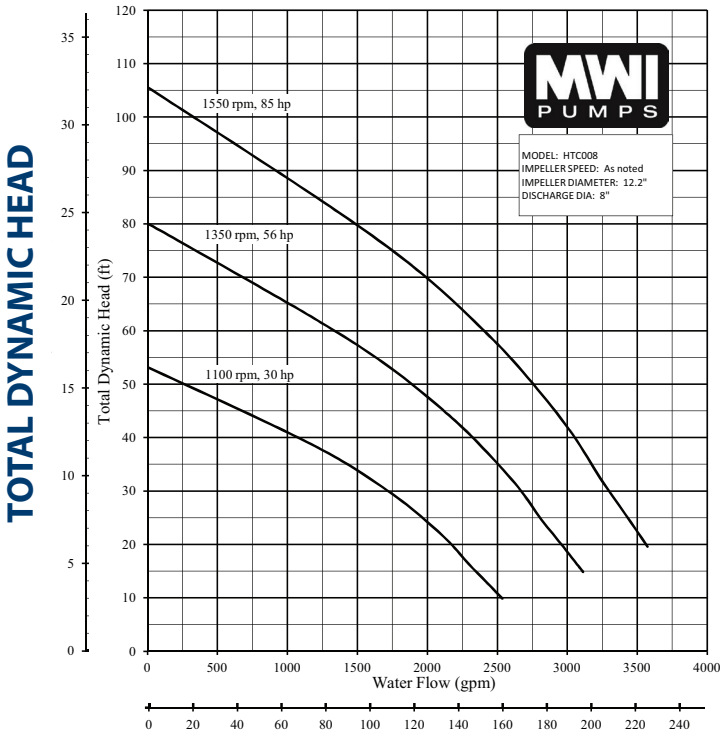
2000D Diesel Engine Drive Unit

- Skid mounted unit standard
- Trailer mounted unit available with optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete hydraulic system with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient vane hydraulic pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto start/stop panel available with floats
- Manufactured in the USA

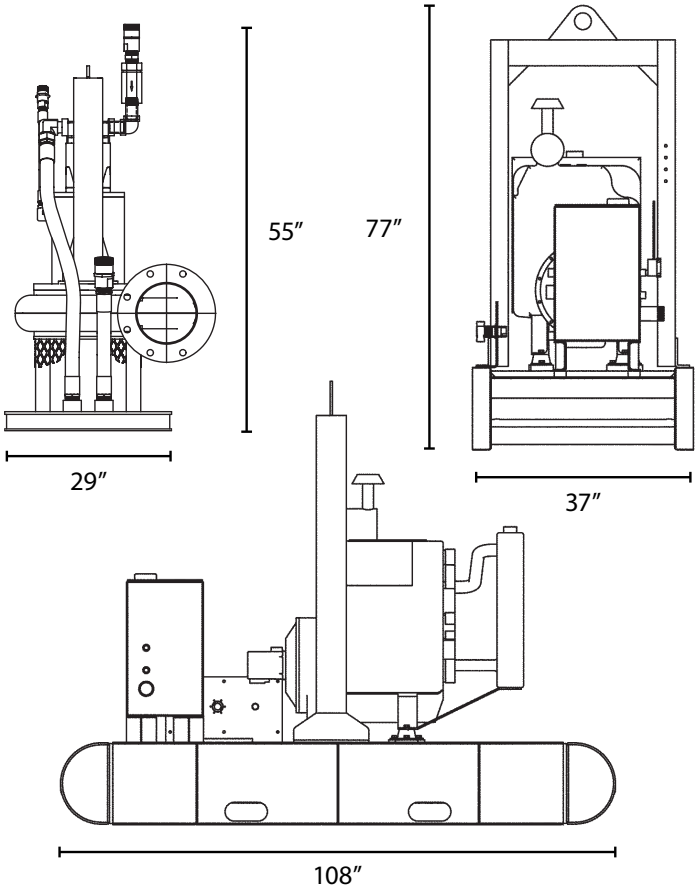
QUICK SPECIFICATIONS	
Delivery connection	8" ANSI Pattern Flange
Max capacity	4000 GPM
Max solids handling	3.125"
Max impeller diameter	12.2"
Max head (TDH)	120'
Max hydraulic system pressure	2700 PSI
Dimensions	Unit: 29 x 55" / Drive: 37 x 77 x 108"
Sound levels w/ enclosure	67 dBA at 7M
Max fuel consumption	5.9 gal/hr @ 99 HP; 15.9 hr run time



PERFORMANCE CURVE



DIMENSIONS



MATERIALS & SPECIFICATIONS	
DURAFLO™ HTC008	
Hydraulic motor	Vane type
Impeller	Cast stainless (CA40)
Shaft material	300 Series stainless steel
Volute	High strength, cast steel-nautilus design
Wear plates	A36 steel - upper and lower
Delivery connection	8″ ANSI Pattern Flange
Hose ports	1.25″ Supply, 1.5″ return, .75″ case drain
Mechanical seal	Silicone carbide - hydraulic-fluid bathed
Bearings	Hydraulic-fluid lubricated - 50,000 hours minimum life
Weight	670 lbs
Coating	Epoxy

2000D DRIVE UNIT	
Engine	John Deere 4045HF280
Engine power	99 HP
Control panel with safety shutdowns	Including tach, hour meter, high coolant temperature and high/low oil pressure/temperature, excessive vacuum shutdowns plus over speed protection
Fuel tank	94 Gallon vented fuel tank with extra large filler and fuel gauge
Fluid tank	15 Gallon hydraulic
Equipped standard	Internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap
Hydraulic oil	AW 68
Weight	3800 lbs (skid)

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DURAFLO™ HTC010

HYDRAULIC SUBMERSIBLE TRASH PUMP AND 2000D DRIVE UNIT

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI Duraflo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for drying out construction excavations, quarry dewatering, sewage bypass, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. These pumps never quit – positively affecting your success and bottom line.

FEATURES

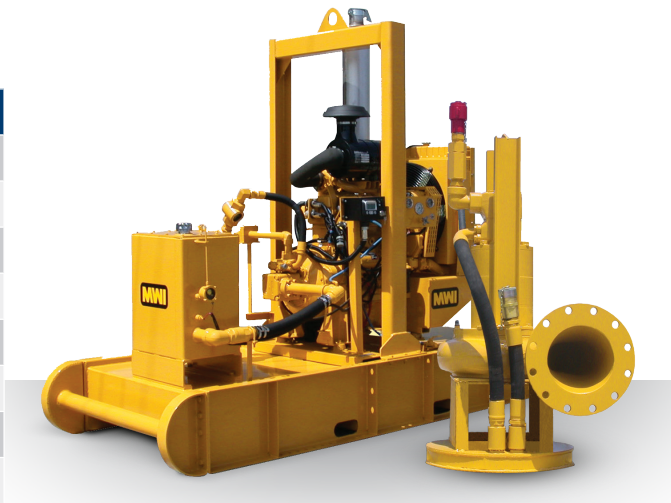
Duraflo™ - HTC010

- Open 3 bladed impeller for handling trash and sewage
- Easily passes 3.125" solids
- Runs dry indefinitely with oil lubricated seals and bearings
- Reliable, rugged vane hydraulic motor
- Lifting point
- Weldable and shock proof cast steel volute
- Manufactured in the USA

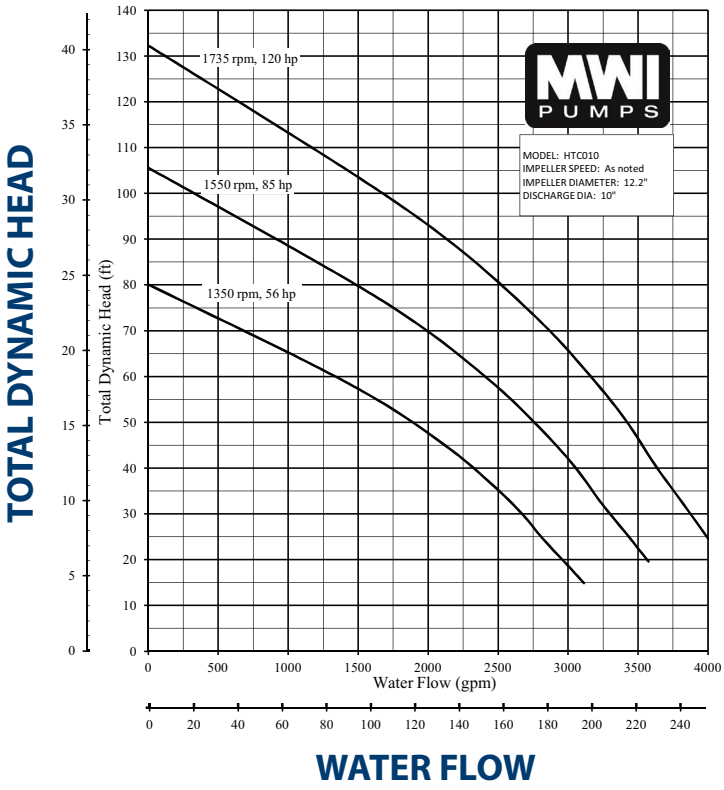
2000D Diesel Engine Drive Unit

- Skid mounted unit standard
- Trailer mounted unit available with optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete hydraulic system with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient vane hydraulic pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto start/stop panel available with floats
- Manufactured in the USA

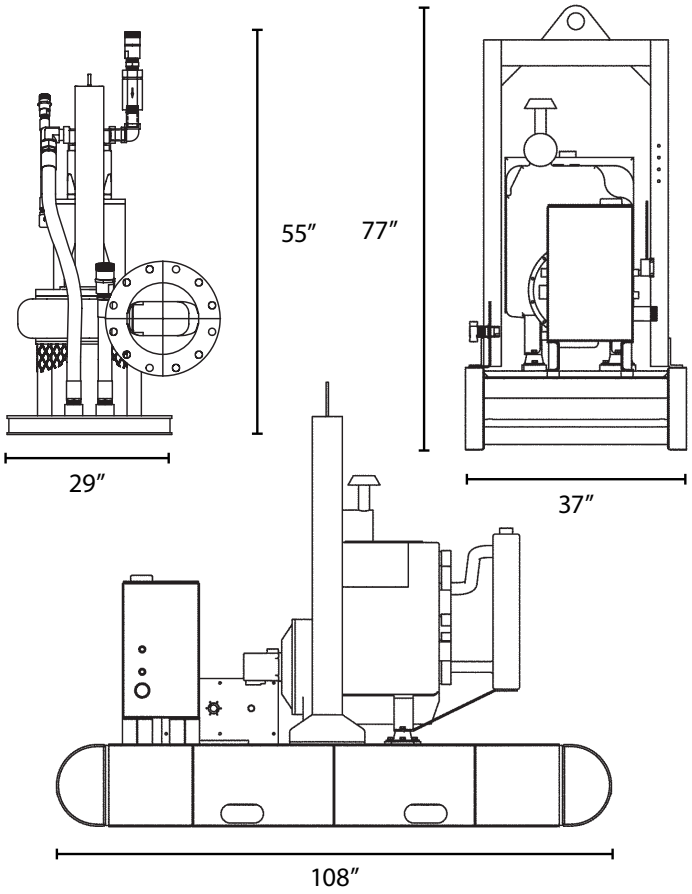
QUICK SPECIFICATIONS	
Delivery connection	10" ANSI Pattern Flange
Max capacity	4000 GPM
Max solids handling	3.125"
Max impeller diameter	12.2"
Max head (TDH)	132'
Max hydraulic system pressure	2700 PSI
Dimensions	Unit: 29 x 55" / Drive: 37 x 77 x 108"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	5.9 gal/hr at 99 HP; 15.9 hr run time



PERFORMANCE CURVE



DIMENSIONS



MATERIALS & SPECIFICATIONS	
DURAFLO™ HTC010	
Hydraulic motor	Vane type
Impeller	Cast stainless (CA40)
Shaft material	300 Series stainless steel
Volute	High strength, cast steel-nautilus design
Wear plates	A36 Steel - upper and lower
Delivery connection	10″ ANSI Pattern Flange
Hose ports	1.25″ Supply, 1.5″ return, .75″ case drain
Mechanical seal	Silicone carbide - hydraulic-fluid bathed
Bearings	Hydraulic-fluid lubricated - 50,000 hrs minimum life
Weight	680 lbs
Coating	Epoxy

2000D DRIVE UNIT	
Engine	John Deere 4045HF280
Engine power	99 HP
Control panel with safety shutdowns	Including tach, hour meter, high coolant temperature and high/low oil pressure/temperature, excessive vacuum shutdowns plus over speed protection
Fuel tank	94 gallon vented fuel tank with extra large filler and fuel gauge
Fluid tank	15 Gallon hydraulic
Equipped standard	Internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap
Hydraulic oil	AW 68
Weight	3800 lbs (skid)

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DURAFLO™ HTC012

HYDRAULIC SUBMERSIBLE TRASH PUMP AND 2400D DRIVE UNIT

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI Duraflo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for drying out construction excavations, quarry dewatering, sewage bypass, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. These pumps never quit – positively affecting your success and bottom line.

FEATURES

Duraflo™ - HTC012

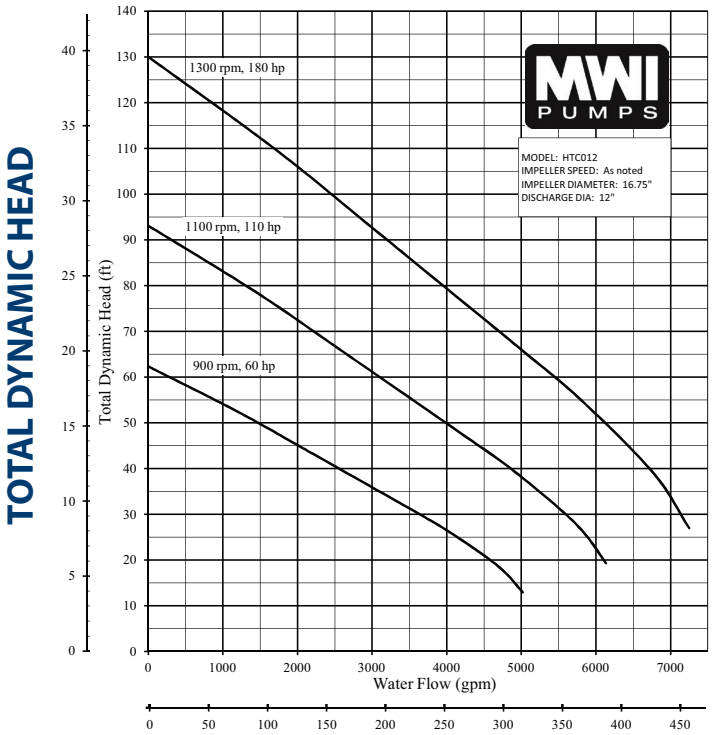
- Open 3 bladed impeller for handling trash and sewage
- Easily passes 3.125" solids
- Runs dry indefinitely with oil lubricated seals and bearings
- Reliable, rugged vane hydraulic motor
- Lifting point
- Weldable and shock proof cast steel volute
- Manufactured in the USA

2400D Diesel Engine Drive Unit

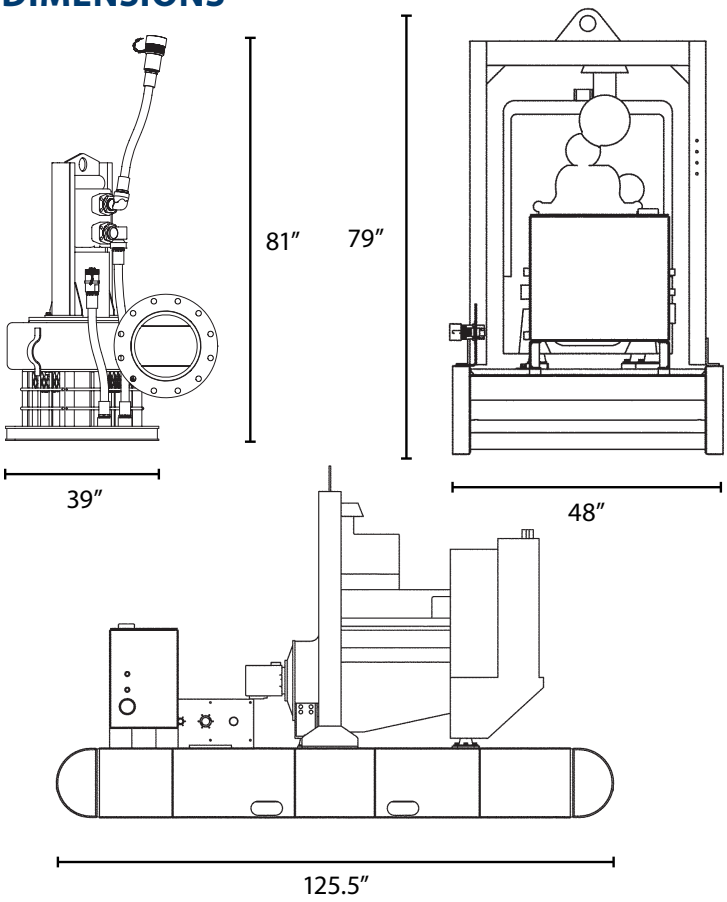
- Skid mounted unit standard
- Trailer mounted unit available with optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete hydraulic system with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient vane hydraulic pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto start/stop panel available with floats
- Manufactured in the USA

QUICK SPECIFICATIONS	
Delivery connection	12" ANSI Pattern Flange
Max capacity	7200 GPM
Max solids handling	3.125"
Max impeller diameter	16.75"
Max head (TDH)	130'
Max hydraulic system pressure	2700 PSI
Dimensions	Unit: 39 x 81" / Drive: 48 x 79 x 125.5"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	8.3 gal/hr at 156 HP; 22.3 hr run time

PERFORMANCE CURVE



DIMENSIONS



MATERIALS & SPECIFICATIONS	
DURAFLO™ HTC012	
Hydraulic motor	Vane type
Impeller	3 Bladed open - A36 steel
Shaft material	300 Series stainless steel
Volute	High strength, cast steel-nautilus design
Wear plates	A36 Steel - upper and lower
Delivery connection	12" ANSI Pattern Flange
Hose ports	1.5" Supply, 1.5" return, .75" case drain
Mechanical seal	Silicone carbide - hydraulic-fluid bathed
Bearings	Hydraulic-fluid lubricated - 50,000 hrs minimum life
Weight	1230 lbs
Coating	Epoxy

2000D DRIVE UNIT	
Engine	John Deere 6068HF285
Engine power	156 HP
Control panel with safety shutdowns	Including tach, hour meter, high coolant temperature and high/low oil pressure/temperature, excessive vacuum shutdowns plus over speed protection
Fuel tank	187 Gallon vented fuel tank with extra large filler and fuel gauge
Fluid tank	22 Gallon hydraulic
Equipped standard	Internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap
Hydraulic oil	AW 68
Weight	4900 lbs (skid)

MWI Pumps Headquarters
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ROTOFLO™ RWP006

6" WELLPOINT DEWATERING WATER PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction

Wellpoint

Sock Dewatering

Remediation

Recharge

Multiple Fluid Transfer Capabilities

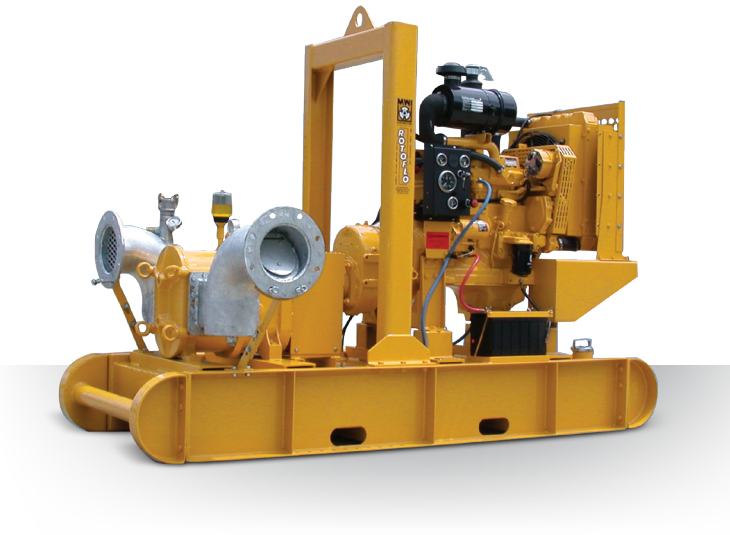
The Rotoflo™ is a reliable rotary lobe, self-priming, valve-less positive-displacement pump that is made for construction dewatering. Whether you are using a wellpoint or sock system, the highly-efficient air/water handling capabilities utilizes less fuel while providing less hassles. Additionally, the pump's simple design eliminates the need for complicated vacuum priming, floats and air/water separation systems which are known to be unreliable.

Downtime is substantially reduced thanks to the maintenance-on-site design. Each pump comes equipped with a quick-release cover that can be removed with conventional hand tools to provide easy access to the inner parts without having to remove any critical components. Its 100% bolt-together design adds flexibility to your operations by allowing multiple units to be easily combined for maximum output. With inexpensive spare parts, low maintenance, and rugged components, this pump costs less than comparable pump systems and can be set up and running in a fraction of the time.

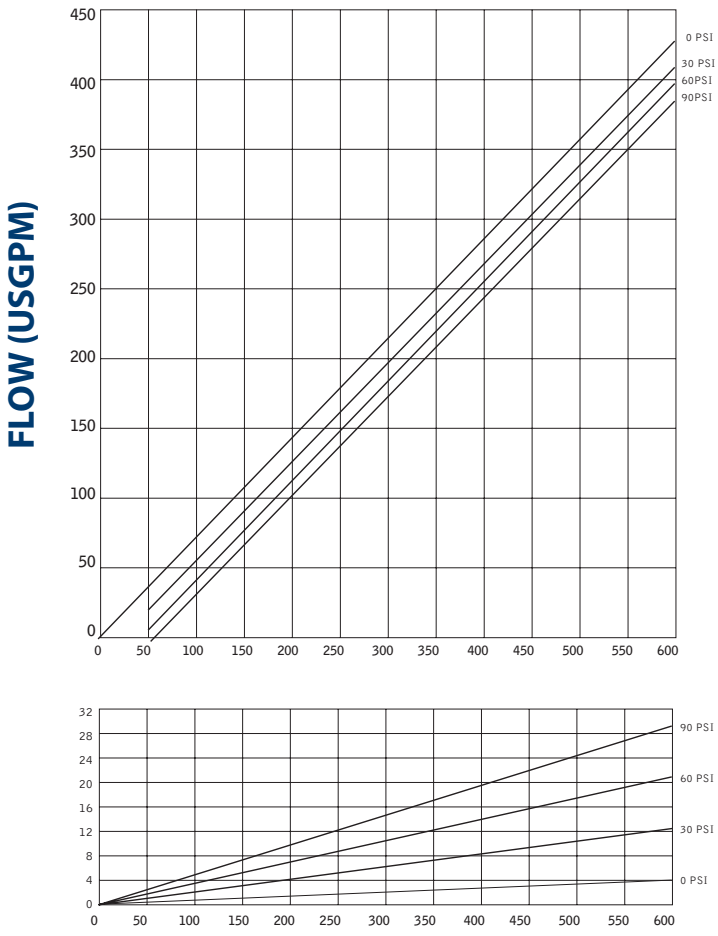
FEATURES

- High performance (506 GPM and 134' TDH)
- Dry running mechanical seals
- Pumps slurries and brackish water
- Choice of diesel engines, electric motors, or hydraulically driven
- Integral 94 gallon fuel tank, gauge and lockable fuel cap
- Fuel efficient
- Pulsation free design
- Skid or trailer available with easy vice-versa conversion
- Positive displacement tri-lobe spiral rotor
- Rotors, wear plates and seals are easily replaceable on site
- Silent enclosures available (67dBA at 7M / 23') for residential areas
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	506 GPM
Max solids handling	1.6"
Max head (TDH)	134'
Max operating speed	700 RPM
Dimensions	40 x 108 x 77"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	24 hr run time



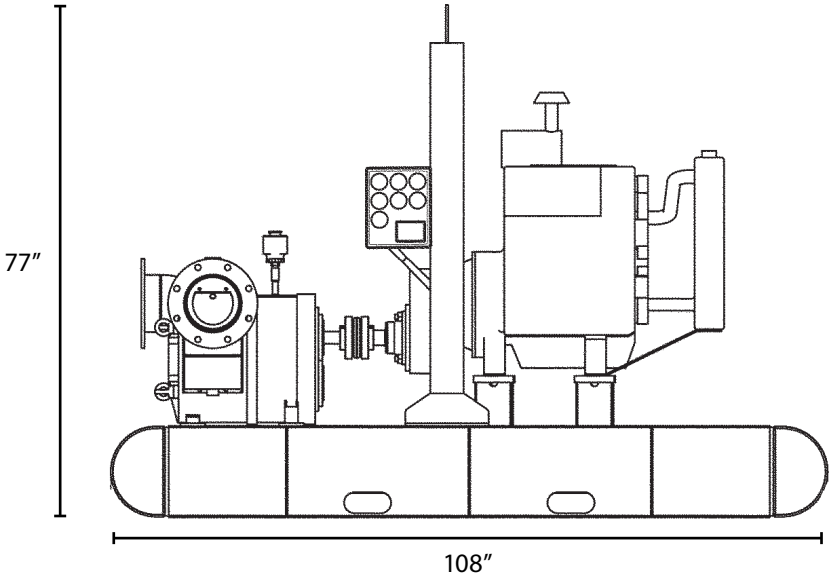
PERFORMANCE CURVE

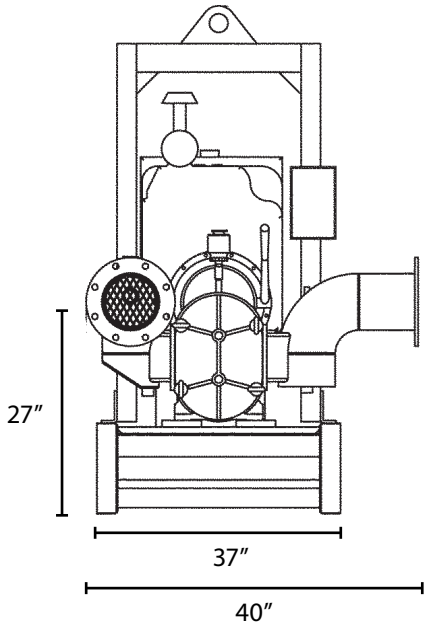


Test conducted on water

MATERIALS & SPECIFICATIONS	
Engine	Choice of diesel, electric, or hydraulically driven motor
Pump casing	Single piece construction from cast iron lined with protection plates from stainless steel. Other materials of construction available.
Rotary lobes	Low pulsation screw rotor design. Entirely Buna-N elastomer coated. Other elastomer materials available.
Wear liner	Stainless steel
Shaft material	Non-fluid-wetted from AIS 4140
Discharge	6" Flapper check valve
Mechanical seal	Oil bath, dry running seal, with abrasion resistant silicon carbide faces
Accessories	Swing-joints, header pipe, wellpoints and jetting equipment
Control panel with safety shutdowns	Full or reduced starter. Including tach, hour meter, high coolant temperature and low oil pressure shutdowns plus over speed protection
Fuel capacity	94 Gal
Weight of trailer mounted unit	2850 lbs (dry)

DIMENSIONS





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COMPACT ROTOFLO™ RWP006

6" WELLPOINT DEWATERING WATER PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction

Wellpoint

Sock Dewatering

Remediation

Recharge

Multiple Fluid Transfer Capabilities

The Compact Rotoflo™ is a reliable rotary lobe, self-priming, valve-less positive-displacement pump that is made for construction dewatering. Its small, mobile footprint and sound enclosure makes it an agile and unassuming ally when facing tough water pumping challenges in residential neighborhoods or areas where sound must be kept to a minimum. Whether you are using a wellpoint or sock system, the highly-efficient air/water handling capabilities utilizes less fuel while providing less hassles. Additionally, the pump's simple design eliminates the need for complicated vacuum priming, floats and air/water separation systems which are known to be unreliable.

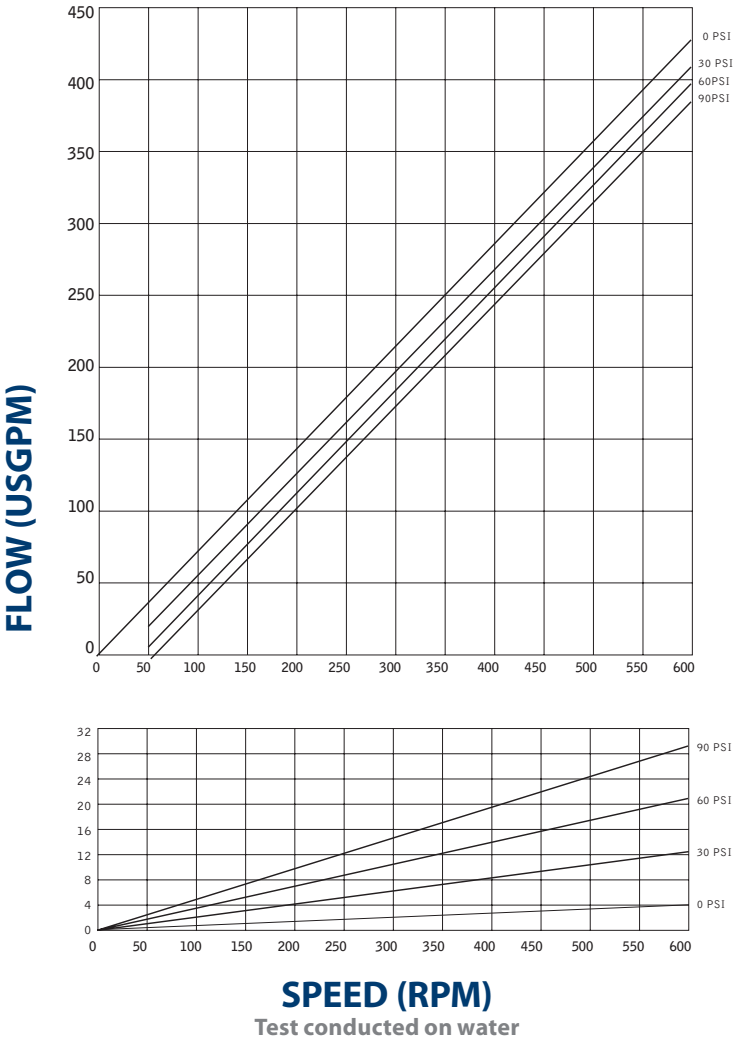
Downtime is substantially reduced thanks to the maintenance-on-site design. Each pump comes with a quick-release cover that can be removed with conventional hand tools to provide easy access to the inner parts without having to remove critical components. Its 100% bolt-together design adds flexibility to your operations by allowing multiple units to be easily combined for maximum output. With inexpensive spare parts, low maintenance, and rugged components, this pump costs less than comparable pump systems and can be set up and running in a fraction of the time.

FEATURES

- High performance (425 GPM and 208' TDH)
- Compact yet rugged design fits where others can't
- Silent enclosure standard (67dBA at 7M / 23') for residential areas
- Pumps slurries and brackish water
- Dry running mechanical seals
- Choice of diesel engines, electric motors, or hydraulically driven
- Integral 28 gallon fuel tank, gauge and lockable fuel cap
- Fuel efficient
- Pulsation free design
- Skid or trailer available with easy vice-versa conversion
- Positive displacement tri-lobe spiral rotor
- Rotors, wear plates and seals are easily replaceable on site
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	425 GPM
Max solids handling	1.6"
Max head (TDH)	208'
Max operating speed	600 RPM
Dimensions	63 x 63 x 83"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	24 hr run time

PERFORMANCE CURVE



Test conducted on water

MATERIALS & SPECIFICATIONS	
Prime Mover	Choice of diesel, electric, or hydraulically driven motor
Pump casing	Single piece construction from cast iron lined with protection plates from stainless steel. Other materials of construction available.
Rotors	Low pulsation screw rotor design. Entirely Buna-N elastomer coated. Other elastomer materials available.
Wear liner	Stainless steel
Shaft material	Non-fluid-wetted from AIS 4140
Discharge	6" Flapper check valve
Mechanical seal	Oil bath, dry running seal, with abrasion resistant silicon carbide faces
Sound enclosure	16-gauge steel lined with sound insulation to achieve 67dBA at 7M / 23'
Accessories	Swing-joints, header pipe, wellpoints and jetting equipment
Diesel engine panel	Including hour meter and low oil pressure shutdown.
Electric panel	Full or reduced starter. Variable frequency drive (VFD) optional.
Fuel capacity	28 Gal
Weight of trailer mounted unit	2425 lbs (dry)

DIMENSIONS

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ROTOFLO™ RWP008

8" WELLPOINT DEWATERING WATER PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction

Wellpoint

Sock Dewatering

Remediation

Recharge

Multiple Fluid Transfer Capabilities

The Rotoflo™ is a reliable rotary lobe, self-priming, valve-less positive-displacement pump that is made for construction dewatering. Whether you are using a wellpoint or sock system, the highly-efficient air/water handling capabilities utilizes less fuel while providing less hassles. Additionally, the pump's simple design eliminates the need for complicated vacuum priming, floats and air/water separation systems which are known to be unreliable.

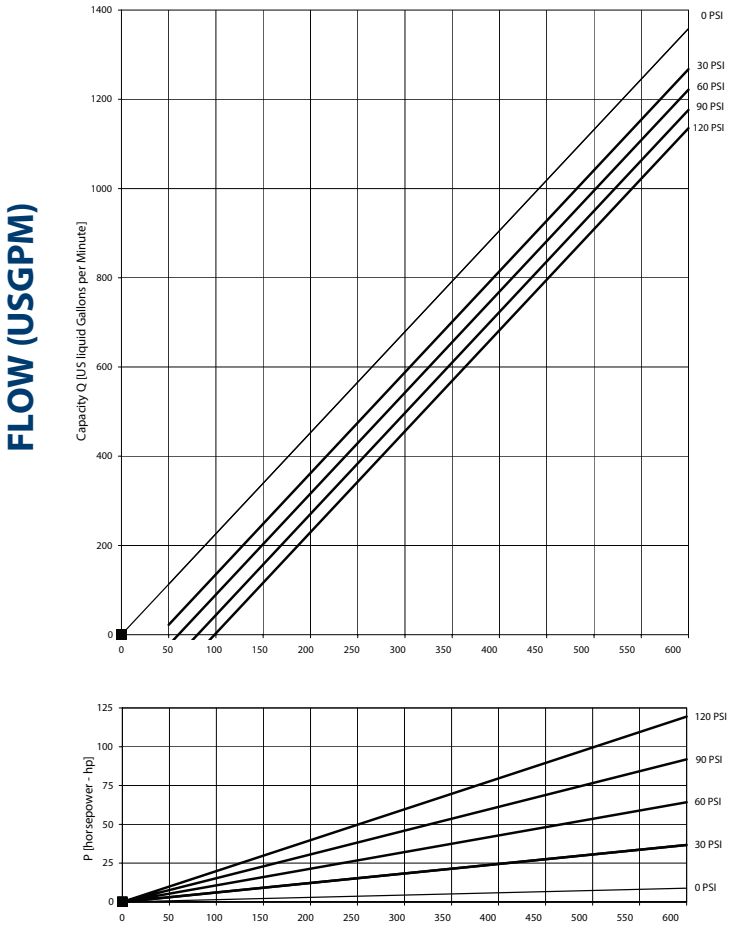
Downtime is substantially reduced thanks to the maintenance-on-site design. Each pump comes equipped with a quick-release cover that can be removed with conventional hand tools to provide easy access to the inner parts without having to remove any critical components. Its 100% bolt-together design adds flexibility to your operations by allowing multiple units to be easily combined for maximum output. With inexpensive spare parts, low maintenance, and rugged components, this pump costs less than comparable pump systems and can be set up and running in a fraction of the time.

FEATURES

- High performance (1365 GPM and 268' TDH)
- Dry running mechanical seals
- Pumps slurries and brackish water
- Choice of diesel engines, electric motors, or hydraulically driven
- Integral 94 gallon fuel tank, gauge and lockable fuel cap
- Fuel efficient
- Pulsation free design
- Skid or trailer available with easy vice-versa conversion
- Positive displacement tri-lobe spiral rotor
- Rotary lobes, wear plates and seals are easily replaceable on site
- Silent enclosures available (67dBA at 7M / 23') for residential areas
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	8" 150# ANSI B16.5
Delivery connection	8" 150# ANSI B16.5
Max capacity	1365 GPM
Max solids handling	2.95
Max head (TDH)	268'
Max operating speed	600 RPM
Dimensions	51.25 x 108 x 73.5"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	24 hr run time

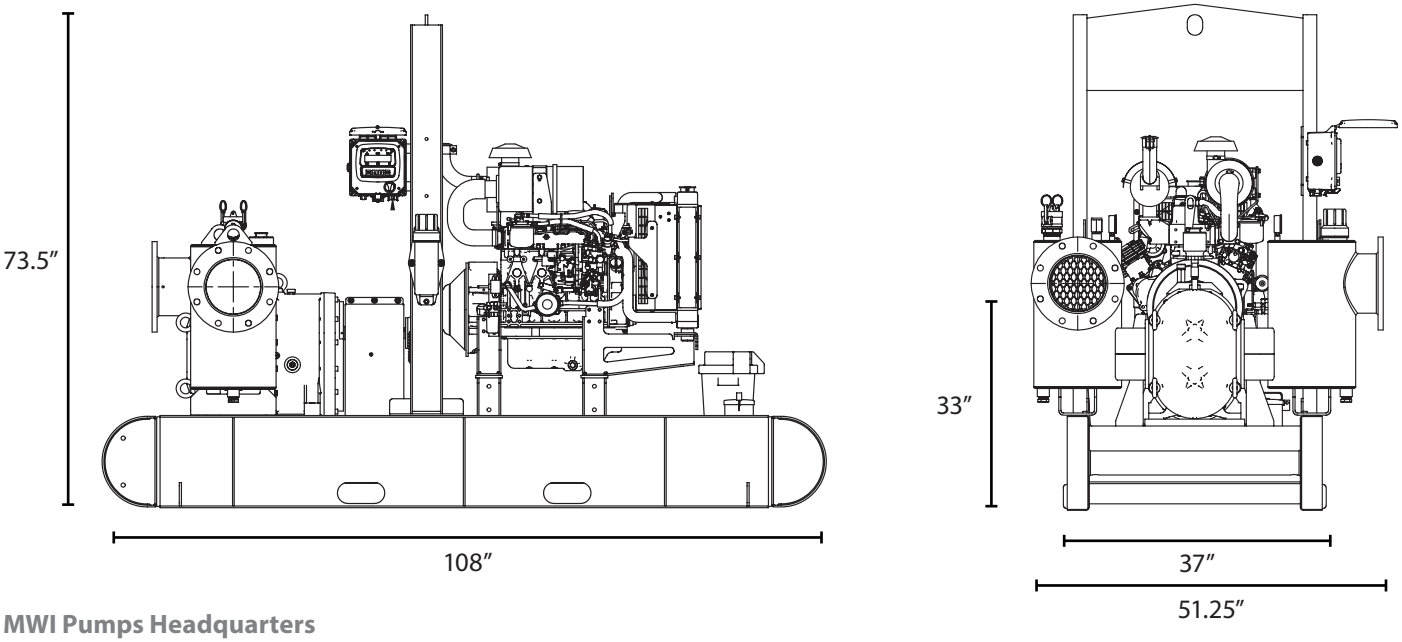
PERFORMANCE CURVE



Test conducted on water

MATERIALS & SPECIFICATIONS	
Engine	Choice of diesel, electric, or hydraulically driven motor
Pump casing	Single piece construction from cast iron lined with protection plates from stainless steel. Other materials of construction available.
Rotary lobes	Low pulsation screw rotor design. Entirely Buna-N elastomer coated. Other elastomer materials available.
Wear liner	Stainless steel
Shafts	Non-fluid-wetted from AIS 4140
Discharge	8" Flapper check valve
Mechanical seal	Oil bath, dry running seal, with abrasion resistant silicon carbide faces
Accessories	Swing-joints, header pipe, wellpoints and jetting equipment
Control panel with safety shutdowns	Diesel engine panel: Tach and hour meter, including shutdowns for: low oil pressure, high coolant temperature and overspeed. / Electric Panel: Full or reduced starter. Variable frequency drive (VFD) optional.
Fuel capacity	94 Gal
Weight of trailer mounted unit	3400 lbs (dry)

DIMENSIONS



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ROTOFLO™ RWP010

10" WELLPOINT DEWATERING WATER PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Construction

Wellpoint

Sock Dewatering

Remediation

Recharge

Multiple Fluid Transfer Capabilities

The Rotoflo™ is a reliable rotary lobe, self-priming, valve-less positive-displacement pump that is made for construction dewatering. Whether you are using a wellpoint or sock system, the highly-efficient air/water handling capabilities utilizes less fuel while providing less hassles. Additionally, the pump's simple design eliminates the need for complicated vacuum priming, floats and air/water separation systems which are known to be unreliable.

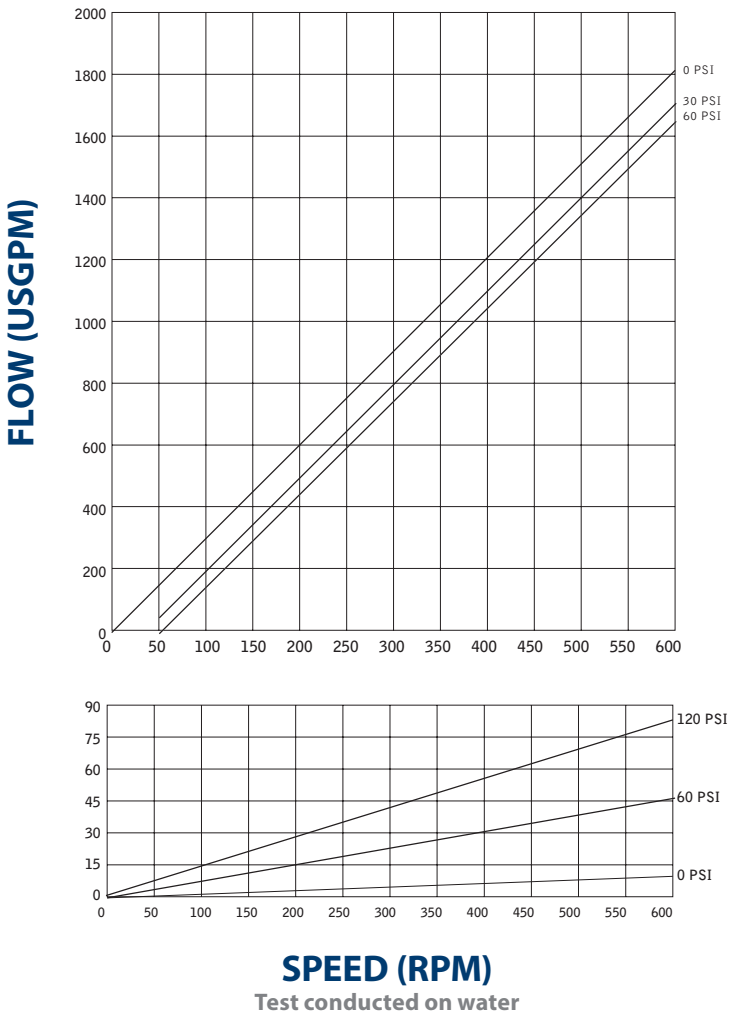
Downtime is substantially reduced thanks to the maintenance-on-site design. Each pump comes equipped with a quick-release cover that can be removed with conventional hand tools to provide easy access to the inner parts without having to remove any critical components. Its 100% bolt-together design adds flexibility to your operations by allowing multiple units to be easily combined for maximum output. With inexpensive spare parts, low maintenance, and rugged components, this pump costs less than comparable pump systems and can be set up and running in a fraction of the time.

FEATURES

- High performance (1805 GPM and 138' TDH)
- Dry running mechanical seals
- Pumps slurries and brackish water
- Choice of diesel engines, electric motors, or hydraulically driven
- Integral 94 gallon fuel tank, gauge and lockable fuel cap
- Fuel efficient
- Pulsation free design
- Skid or trailer available with easy vice-versa conversion
- Positive displacement tri-lobe spiral rotor
- Rotary lobes, wear plates and seals are easily replaceable on site
- Silent enclosures available (67dBA at 7M/ 23') for residential areas
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	10" 150# ANSI B16.5
Delivery connection	10" 150# ANSI B16.5
Max capacity	1805 GPM
Max solids handling	2.95
Max head (TDH)	138'
Max operating speed	600 RPM
Dimensions	75 x 108 x 84"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	24 hr run time

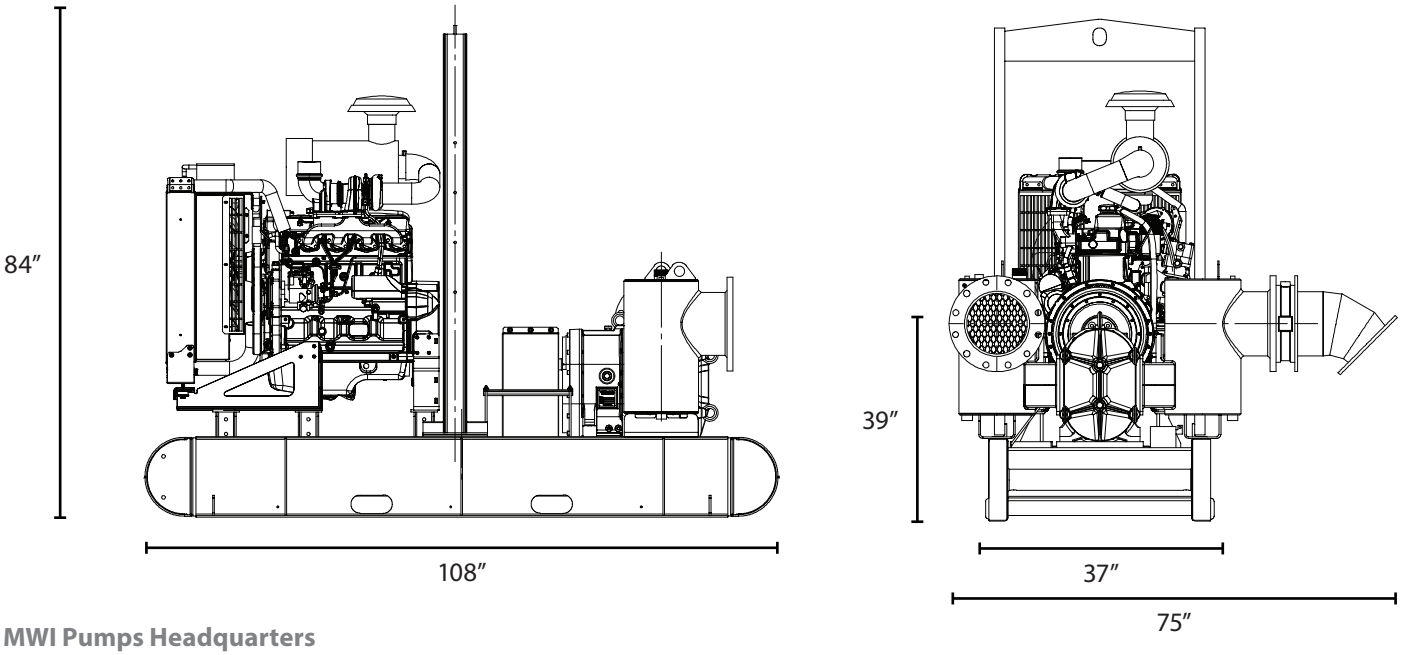
PERFORMANCE CURVE



Test conducted on water

MATERIALS & SPECIFICATIONS	
Engine	Choice of diesel, electric, or hydraulically driven motor
Pump casing	Single piece construction from cast iron lined with protection plates from stainless steel. Other materials of construction available.
Rotary lobes	Low pulsation screw rotor design. Entirely Buna-N elastomer coated. Other elastomer materials available.
Wear liner	Stainless steel
Shafts	Non-fluid-wetted from AIS 4140
Discharge	10" Flapper check valve
Mechanical seal	Oil bath, dry running seal, with abrasion resistant silicon carbide faces.
Accessories	Swing-joints, header pipe, wellpoints and jetting equipment
Control panel with safety shutdowns	Full or reduced starter. Including tach, hour meter, high coolant temperature and low oil pressure shutdowns plus over speed protection
Fuel capacity	94 Gal
Weight of trailer mounted unit	4500 lbs (dry)

DIMENSIONS



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Inquiries: 954-426-1500 | Fax: 954-426-8938 | Email: info@mwipumps.com | **mwipumps.com**

Jet Pump JP006

6” Jet Pump

APPLICATIONS:

Construction

Wellpoint

Sock Dewatering

Remediation

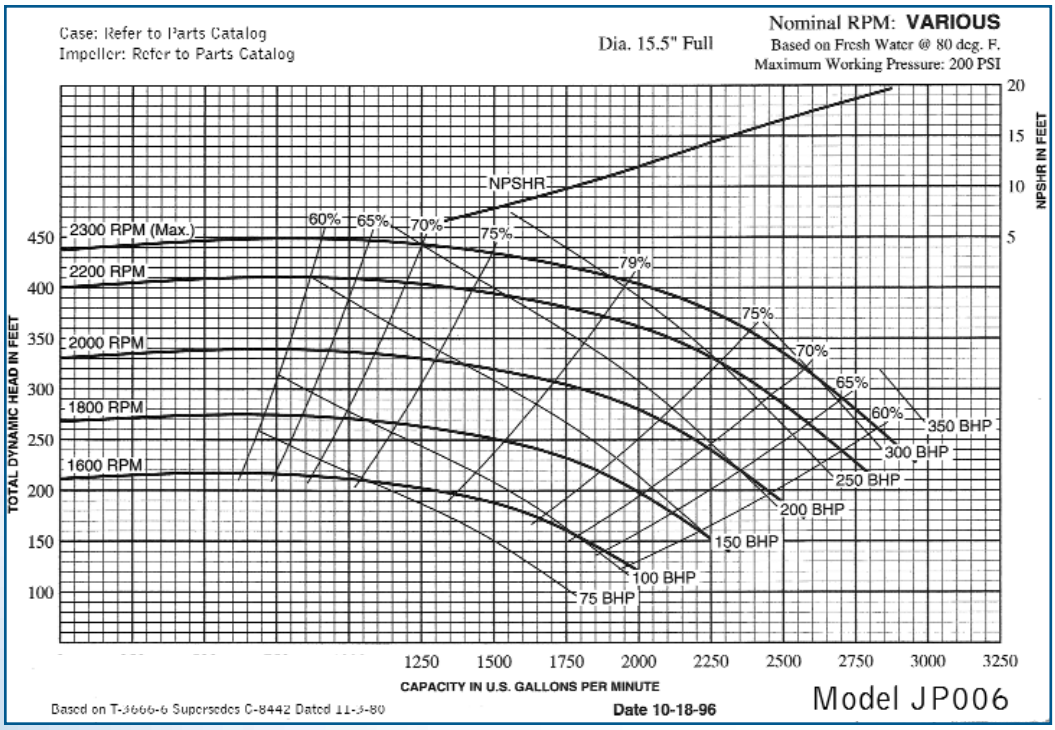
Recharge

Multiple Fluid Transfer

Capabilities

MWI’s high pressure jet pumps make short work of gravel washing, drilling, pipeline testing, equipment cleaning, piling and wellpoint jetting, as well as any other high pressure applications.

These heavy-duty pumps can handle your toughest pumping jobs with flows to 4000 gpm and pressures to 200 psi. The units are complete and ready to operate with a weight of 6220lbs in skid configuration with an open industrial power unit, integral 500 gallon fuel tank, lifting bail, control panel and hand or compressor-driven primer.



Pump Performance Datasheet

Customer	:	Quote number	:
Customer reference	:	Size	: B5EXQBHS
Item number	:	Stages	: 1
Service	:	Based on curve number	: 8443
Quantity	: 1	Date last saved	: 07 Aug 2012 12:54 PM

Operating Conditions

Flow, rated	: 1,852.4 USgpm
Differential head / pressure, rated (requested)	: 373.5 ft
Differential head / pressure, rated (actual)	: 373.5 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Frequency	: 60 Hz

Performance

Speed, rated	: 2,200 rpm
Impeller diameter, rated	: 15.50 in
Impeller diameter, maximum	: 15.50 in
Impeller diameter, minimum	: 14.38 in
Efficiency	: 79.00 %
NPSH required / margin required	: 14.40 / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 22 / 248 Metric units
MCSF	: 741.4 USgpm
Head, maximum, rated diameter	: 412.8 ft
Head rise to shutoff	: 7.05 %
Flow, best eff. point (BEP)	: 1,852.4 USgpm
Flow ratio (rated / BEP)	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: --Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.00 psi.a

Material

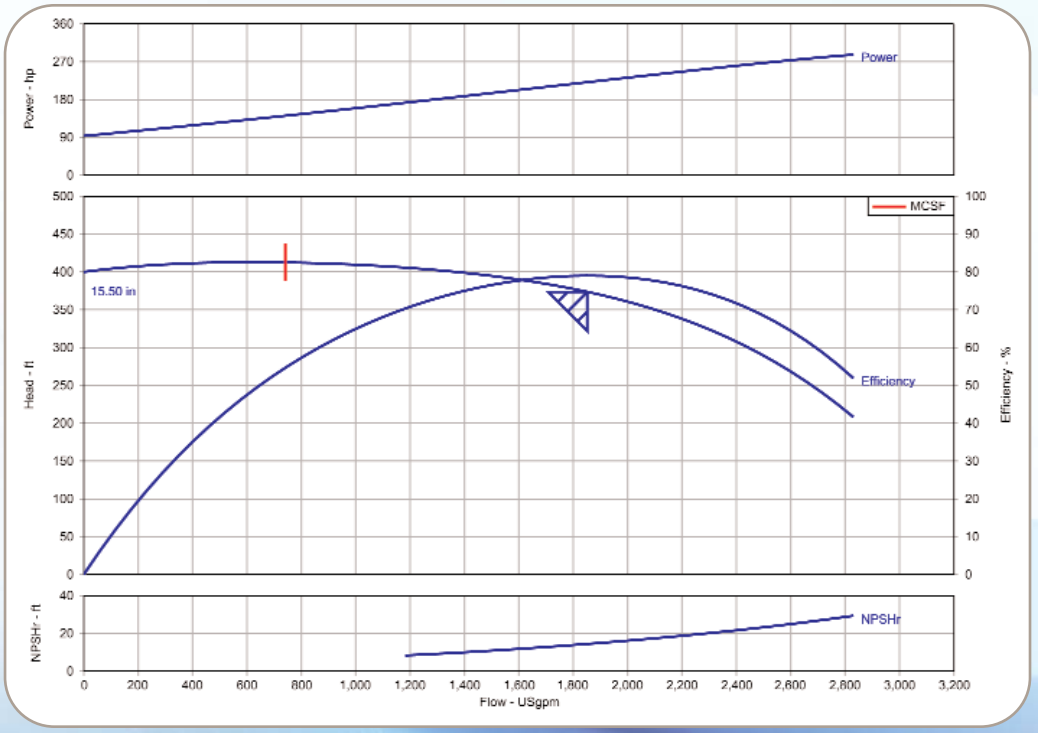
Material selected	: Not specified

Pressure Data

Maximum working pressure	: 178.7 psi.g
Maximum allowable working pressure	: 200.0 psi.g
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 175 hp
Power, rated	: 221 hp
Power, maximum, rated diameter	: 287 hp
Minimum recommended motor rating	: 250 hp / 186 kW



MWI PUMPS

Moving Water Worldwide - Reliably and Efficiently

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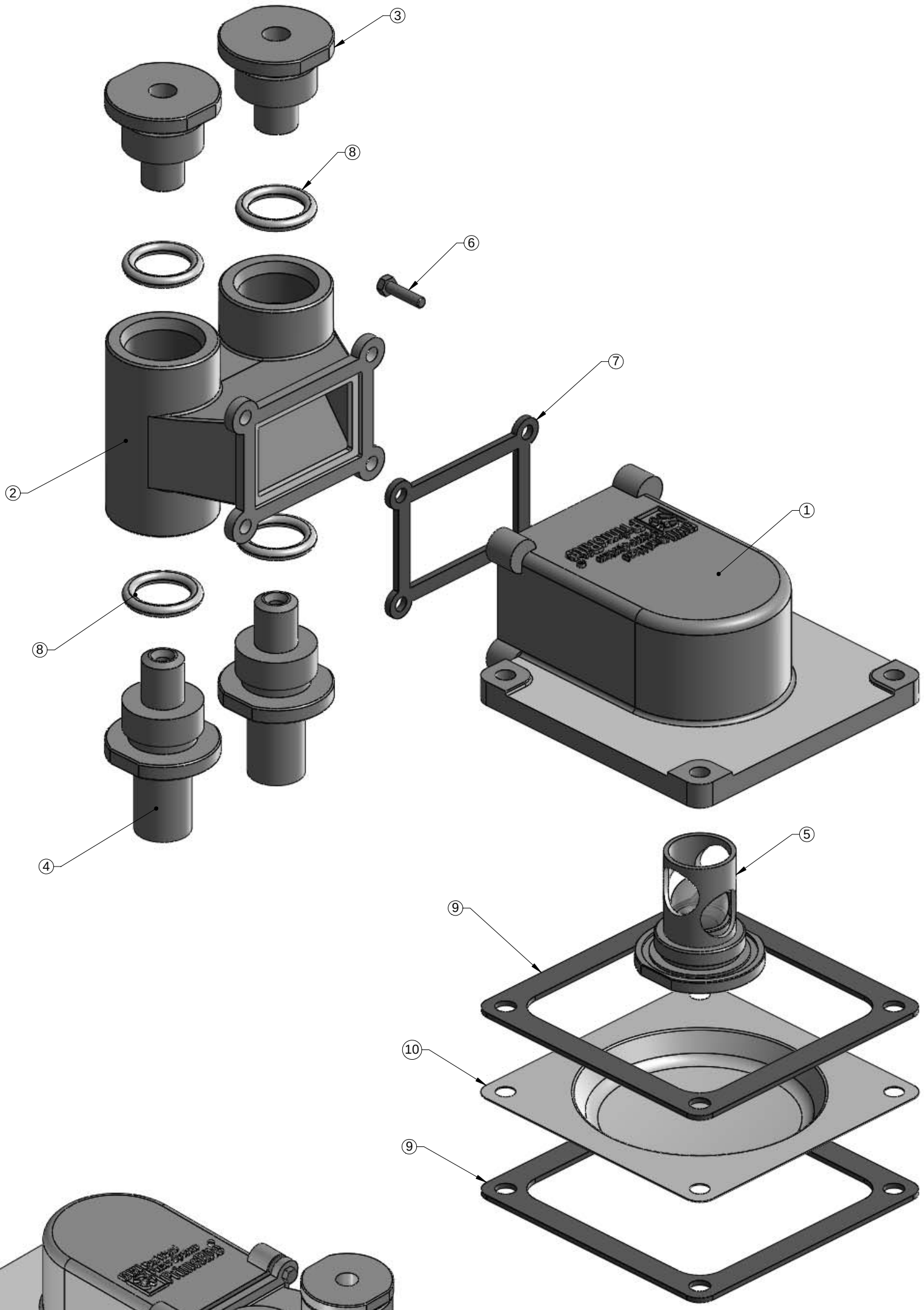
Phone: (954) 426-1500 Fax: (954) 426-1582 E-mail: info@mwicorp.com www.mwipumps.com



ITEM #	DESCRIPTION	MATERIAL / MODEL	MWI PART # DRAWING #	QTY.
10	FILTER SCREEN	304 SS	F54006	1
9	PRIMER ASSEMBLY HOUSING GASKET	304 SS	F54005	2
8	O-RING	BUNA-N	E05640	4
7	VENTURI MOUNT GASKET	NEOPRENE	F54004	1
6	VENTURI HOUSING / MOUNT FASTENER	CLASS 8.8	BB12810	4
5	PRIMER CHECK VALVE	304 SS	F54003	1
4	VENTURI OUTLET	304 SS	F54002	2
3	VENTURI INLET	304 SS	F54001	2
2	VENTURI HOUSING / MOUNT	CAST STEEL	F54008	1
1	PRIMER ASSEMBLY, CHECK VALVE HOUSING PLUG	CAST STEEL	F54007	1

BILL OF MATERIALS

INSPECTIONS: BENCH TEST 22inHG

THIRD-ANGLE PROJECTION

WEIGHT: 13 LBS

NOTES:
1. NOTES 2, 3, INSPECTIONS AND TOLERANCES ARE APPLICABLE ONLY TO PRODUCTION DRAWINGS.
2. BREAK / DE-BURR ALL SHARP EDGES AND CORNERS.
3. STAMP COMPONENT TRACKING NUMBER IN THE LOCATION SHOWN.
   XX-YYYYYY
   XX: SEQUENTIAL TRACKING NUMBER.
   YYYYYY: 6 DIGIT P.O. NUMBER.

PROJECT: STANDARD

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS:

IMPERIAL:
.X ± 0.06 in.
.XX ± 0.03
.XXX ± 0.010
.XXXX ± 0.001
FRACTIONAL ± 1/16
MACHINED SURFACE FINISH: 125 √

BOLT PATTERN TOLERANCE: EQUAL SPACING VARIATION 0.03 MAX ALL HOLES.

METRIC:
X. ± 1.5 mm
.X ± 0.8
.XX ± 0.25
.XXX ± 0.025
MACHINED SURFACE FINISH: 32 √

BOLT PATTERN TOLERANCE: EQUAL SPACING VARIATION 0.8 MAX ALL HOLES.

TITLE: PRIMER ASSEMBLY

JOB NO.: -

DRAWN BY: RI 1/6/2012

DRAWING NO.: F54000

REV: -

SHEET: 1 OF 1

APPROVED BY: 1/9/2012

MWI Moving Water Industries
CORPORATION ESTABLISHED 1926
201 NORTH FEDERAL HWY DEERFIELD BEACH, FL 33441
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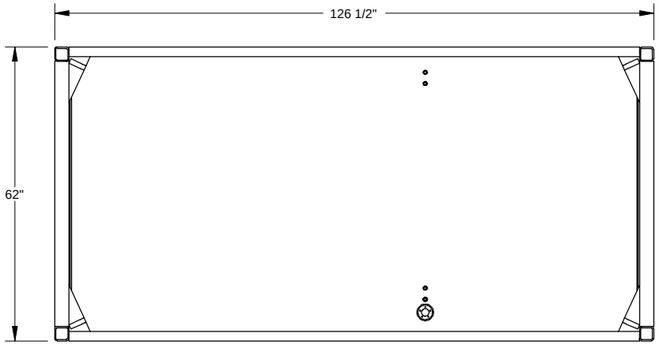
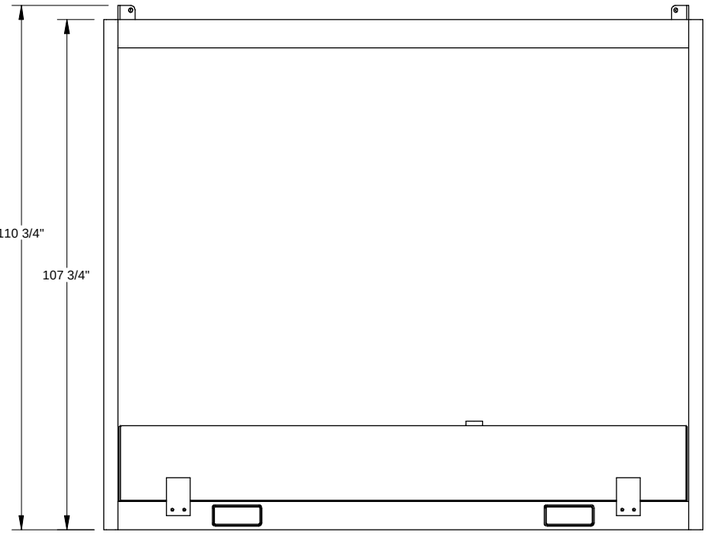
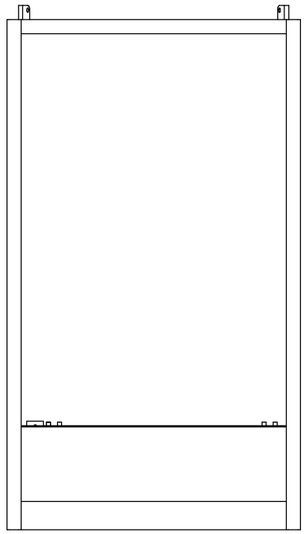


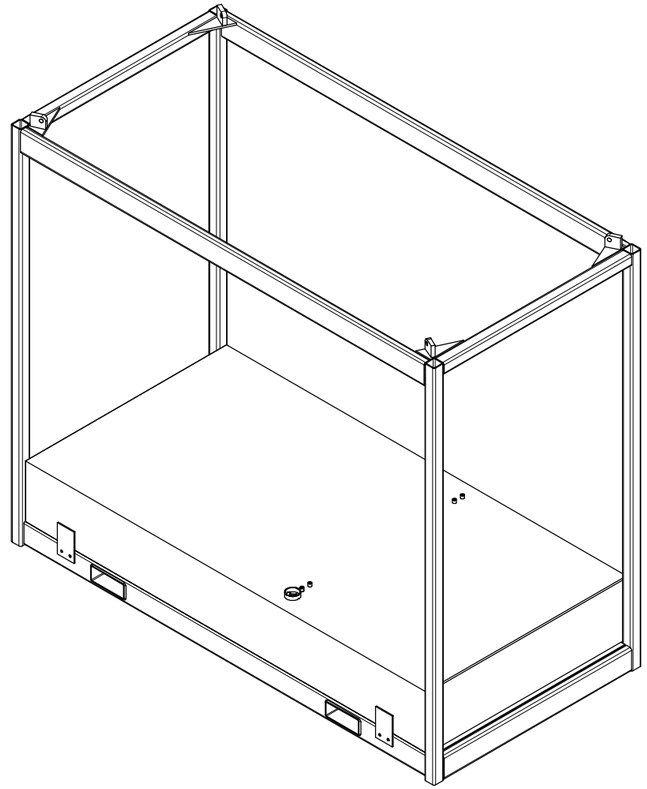
TOP VIEW



FRONT VIEW



SIDE VIEW



INSPECTIONS: NONE

THIRD-ANGLE PROJECTION

WEIGHT: 2906 LBS

NOTES:
1. NOTES 2, 3, INSPECTIONS AND TOLERANCES ARE APPLICABLE ONLY TO PRODUCTION DRAWINGS.
2. BREAK / DE-BURR ALL SHARP EDGES AND CORNERS.
3. REMOVE ALL BURRS/RAISED EDGES AROUND DRILLED HOLES AND TAPPED HOLES.
4. MARK PART NO. AT LOCATION SHOWN.

PROJECT: STANDARD

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS:

IMPERIAL:		METRIC:	
.X	± 0.06 in.	.X	± 1.5 mm
.XX	± 0.03	.X	± 0.8
.XXX	± 0.010	.XX	± 0.25
.XXXX	± 0.001	.XXX	± 0.025
FRACTIONAL	± 1/16		
MACHINED SURFACE FINISH:	125 √	MACHINED SURFACE FINISH:	32 √
BOLT PATTERN TOLERANCE: EQUAL SPACING VARIATION 0.03 MAX ALL HOLES.		BOLT PATTERN TOLERANCE: EQUAL SPACING VARIATION 0.8 MAX ALL HOLES.	

TITLE: JET PUMP FRAME
500 GALLON DIESEL RESERVOR

JOB NO.: N/A

DRAWN BY: MAO 12/10/2012

DRAWING NO.: 18520-GA

REV: -

SHEET: 1 OF 1

APPROVED BY: 7/15/2013

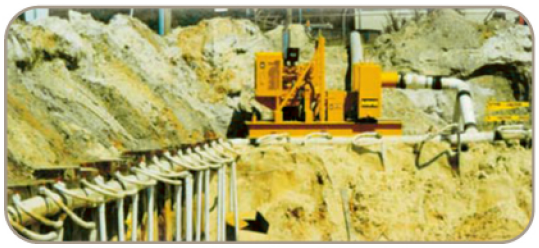
MWI PUMPS
33 NORTHWEST ELLER STREET
DEERFIELD BEACH, FL 33441
WWW.MWICORP.COM

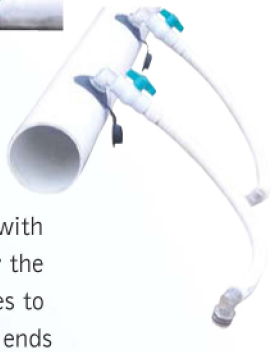
Wellpoint Accessories

MWI provides complete well point systems and a full line of required accessories - everything you need to dewater a site.

MWI Wellpoint

These PVC Wellpoints with conical end caps are used to draw water and air from beneath the ground to temporarily lower the water table and allow for construction. We also carry self-jetting wellpoints.





MWI Swing Joints

Our swing joints are equipped with clear plastic elbows to monitor the flow of water and control valves to maintain vacuum levels. Both ends connect quickly and easily.

MWI Header Couplings

These flexible rubber sleeves have stainless steel clamps to quickly join header pipes.

MWI Bauer-Type Fittings

MWI provides a variety of Bauer-type quick connect/disconnect coupling and adapter fittings including; hose ends, screw ends, pipe bends, adapters, flanged ends, rubber sealings, and closure rings.

MWI Header Pipe

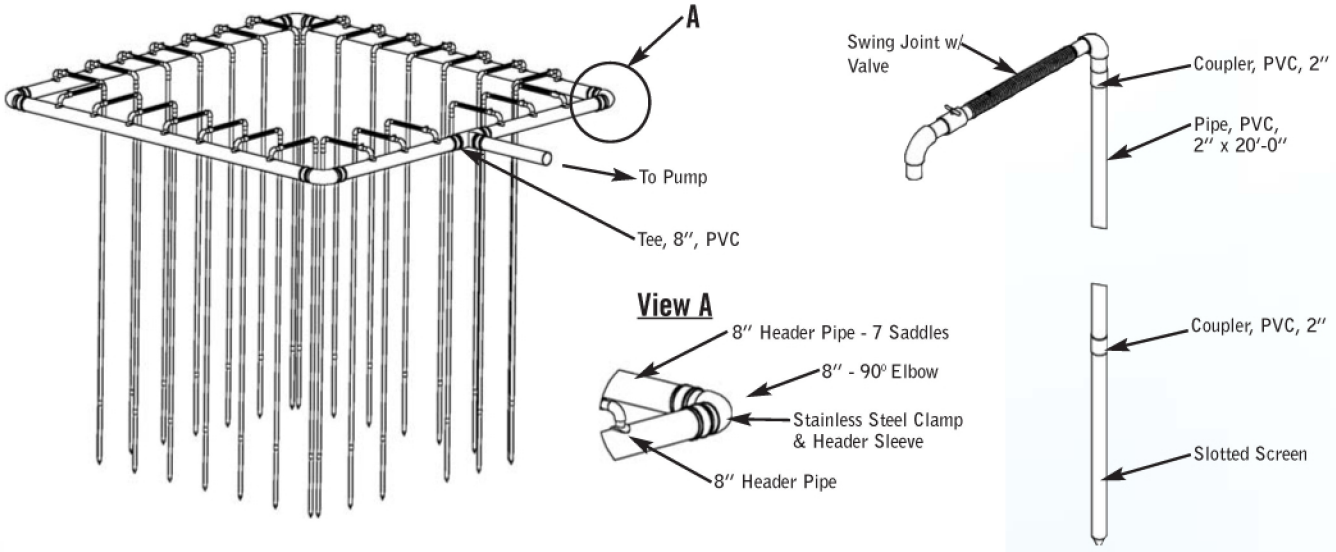
Headers collect the water from the wellpoints and deliver it to the pump. MWI PVC Schedule 40 header pipe is available in an 8 inch diameter and 20 foot lengths with either 7 or 10 saddles.

MWI Hoses and Fittings

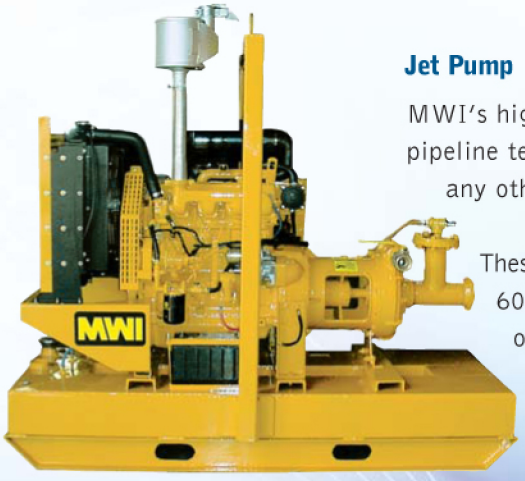
MWI has a complete line to fit any application. We provide a variety of hoses ranging from suction hose to high pressure discharge hose. All are available with an assortment of couplings and fixtures.

MWI Header Pipe Fittings

These header pipe fittings come in a number of configurations including; 45 0 bend, 90 0 bend, tee and blank end. All fit with extra strength rubber sleeves and stainless steel clamps.



The wellpoint system is used to lower the water table to allow construction of buildings and civil works. All pipes shown bring water from the ground to the suction port in the pump. Discharge from the pump is then either directed to a canal or catch basin depending on site conditions.



Jet Pump

MWI's high pressure jet pumps make short work of gravel washing, drilling, pipeline testing, equipment cleaning, piling and wellpoint jetting, as well as any other high pressure applications.

These heavy-duty pumps can handle your toughest jetting job with flows to 600 gpm and pressures to 200 psi. The units are complete and ready to operate in either skid or portable configurations with an open industrial power unit, integral fuel tank, lifting bail, control panel and hand or compressor-driven primer.

MWI Moving Water Industries
CORPORATION
ESTABLISHED 1926

Moving Water Worldwide - Reliably and Efficiently

201 N. Federal Highway Deerfield Beach, Florida 33441 USA
Phone: (954) 426-1500 Fax: (954) 426-1582 E-mail: info@mwicorp.com www.mwicorp.com

SILENT PARTNER

HEAVY-DUTY SOUND ATTENUATION ENCLOSURE WITH NOISE-ABSORBING INSULATION

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Residential Areas

Hospitals

Government Buildings

Schools

Religious Facilities

Or wherever else quiet operations are needed

The Silent Partner™ is a heavy-duty sound attenuation, quiet pack enclosure that fits the high-performance, automatic-priming, run-dry Primerite™ as well as Hydraflo™, Duraflo™, and Rotoflo™ pumps. This system includes noise-absorbing insulation, which allows the high-performance pumps to run cool and quieter while in sensitive areas such as residential neighborhoods, near hospitals, schools or government buildings. The enclosure also provides easy access to all components no matter what pump is inside.

FEATURES

- Quiet for sensitive areas – with sound levels as low as 67dB at 7M / 23' operating at full rated capacity (based on CPB standards)
- Critically silent pump system – includes engine vibration isolators, priming exhaust muffler and cowl silencer for quiet, trouble free operation
- Runs cool for long engine life
- Fast, easy and safe on-site access to critical components with multiple large access panels, lockable and side-swinging doors to avoid injury and prevent vandalism
- Easy and modular transport – bolt-together design for portability and complete access to components
- Available in skid or DOT highway trailer with lifting bail included
- Radiator access port for external topping off
- External engine oil drain to facilitate oil changes
- Exhaust in secondary enclosure to reduce temperature and keep the inside clean
- Easily remove or add lifting bail, tow bar, axle and bumpers to go from skid to portable or vice versa
- Manufactured in the USA

SILENT PARTNER™ COMPATIBILITY	
Primerite™	Automatic Dry Self-Priming Trash Pump
Hydraflo™ (Drive Unit)	Hydraulically-Driven, Large-Volume Submersible Water Pump
Duraflo™ (Drive Unit)	Submersible Hydraulic Trash Pump
Rotoflo™	Wellpoint Dewatering Pump

INSIDE THE BOX

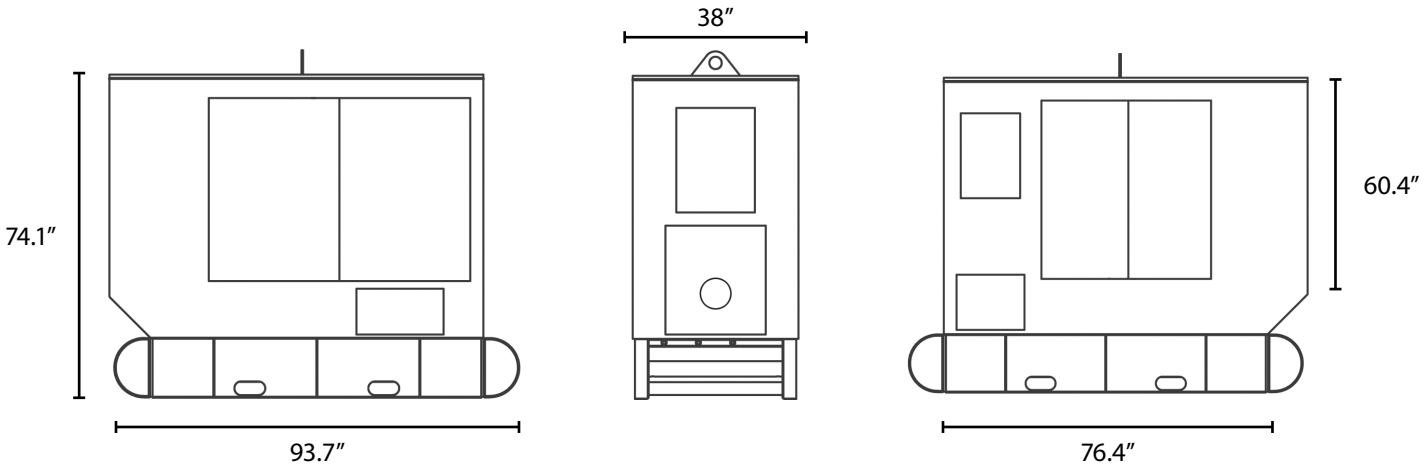
Ideal for use in residential areas or wherever quiet operations are required, the Silent Partner™ is highly favored for a wide range of applications. Because of their heavy-duty design, these pumps can run hard while staying quieter in the most difficult of environments.

Choose from a wide selection of engine control panels for your exclusive quiet pump system. Each panel is designed for fully automated operation and includes fault indicator lights, auto start-stop, and telemetry. The Silent Partner™ can house Primerite™ or Rotoflo™ pumps in its enclosure as well as the drive units for the Hydraflo™ or Duraflo™ pumps.

CONTROL PANEL

MWI offers a wide selection of engine control panels. The engine control panel is protected behind a lockable clear window that provides easy access when needed. The panels are designed for fully automated operation, including fault indicator lights, auto start-stop and telemetry.

DIMENSIONS



MWI Pumps Headquarters
33 NW 2nd St | Deerfield Beach, FL 33441

Inquiries: 954-426-1500 | Fax: 954-426-8938 | Email: info@mwipumps.com | **mwipumps.com**

DOUBLE DIAPHRAGM

MOBILE WELLPOINT TRASH PUMP

MWI PUMPS
The Power to Move Water®

APPLICATIONS

Slurries

Dredging

Portable Feed

Open Sump

Sewage

Wellpoint Dewatering

Tanker Unloading

Waste Transfer

Utility Plants

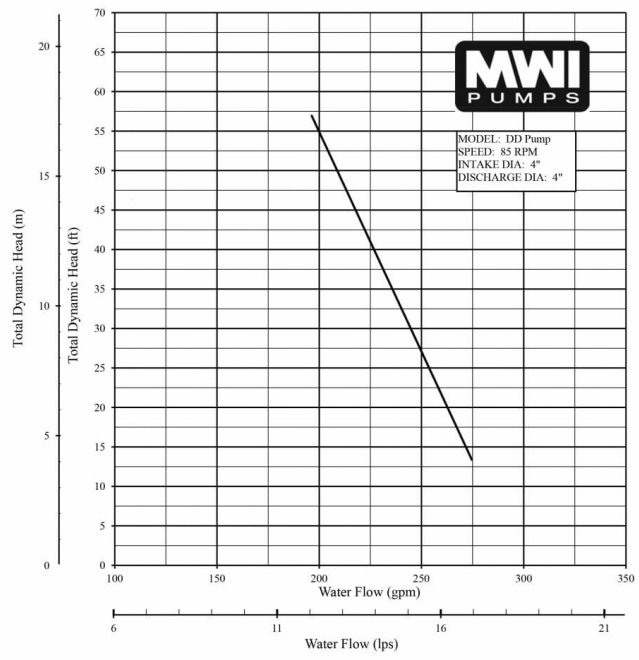
MWI's Double Diaphragm pump has a rugged design, strong enough to get through the toughest materials - including solids as large as 3.75". Its portable, flexible, lightweight and easy to set up design makes it favorable for many operations. The Double Diaphragm pump is an ideal choice for pumping muddy water, sludge, or any liquid with a high percentage of solids. Even the most challenging environments are no match for MWI's Double Diaphragm.

FEATURES

- Simple yet rugged, trouble free design
- Boston gearbox with a 1.25 Service Factor and high grade synthetic oil provides long service life
- Flex coupling allows for maintenance of engine and gearbox without requiring full disassembly
- Five easy cleanout ports allow for effortless cleaning after use
- Flapper valves allow for handling of 3.75" solids, slurries and other hard-to-handle fluids.
- Easily serviced and replaced wear parts that are highly resistant to abrasive and corrosive liquids
- Manufactured in the USA

QUICK SPECIFICATIONS	
Suction connection	4" CAM-LOCK
Delivery connection	4" CAM-LOCK
Max capacity	275 USGPM
Max solids handling	3.75"
Max head (TDH)	55'
Max operating speed	85 RPM
Max suction lift	25'
Dimensions	102 x 63 x 58"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	Up to 50 hr run time

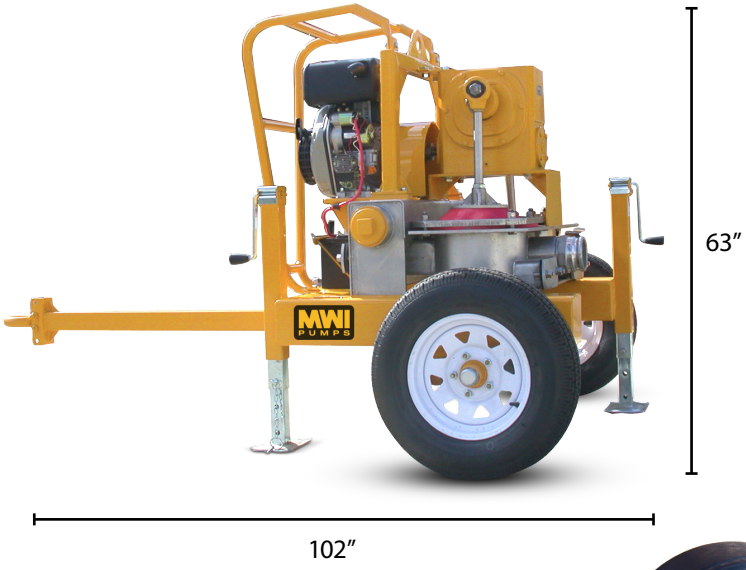
PERFORMANCE CURVE

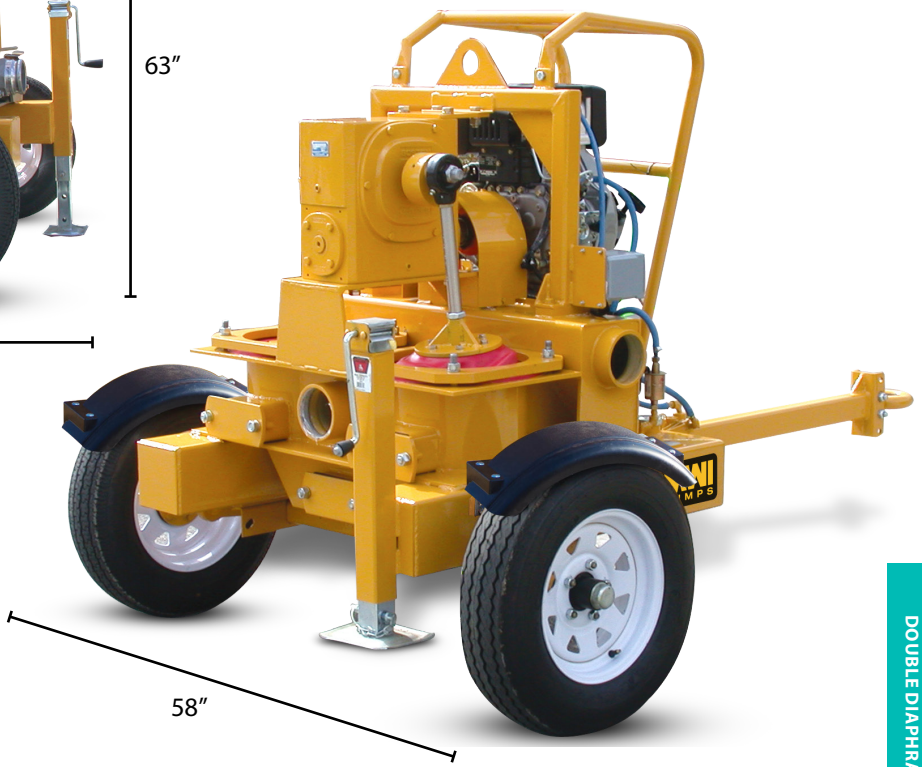


WATER FLOW

MATERIALS & SPECIFICATIONS	
Standard engine	Yanmar L100W Final Tier 4
Max HP	9 HP
Fuel capacity	25 Gal
Gear box	Worm gear oil lubricated
Coupling	Omega flexible coupling
Diaphragm options	Urethane or neoprene
Control panel	Hour meter, including shutdowns for low oil pressure
Weight of trailer mounted unit	1550 lbs (dry)

DIMENSIONS





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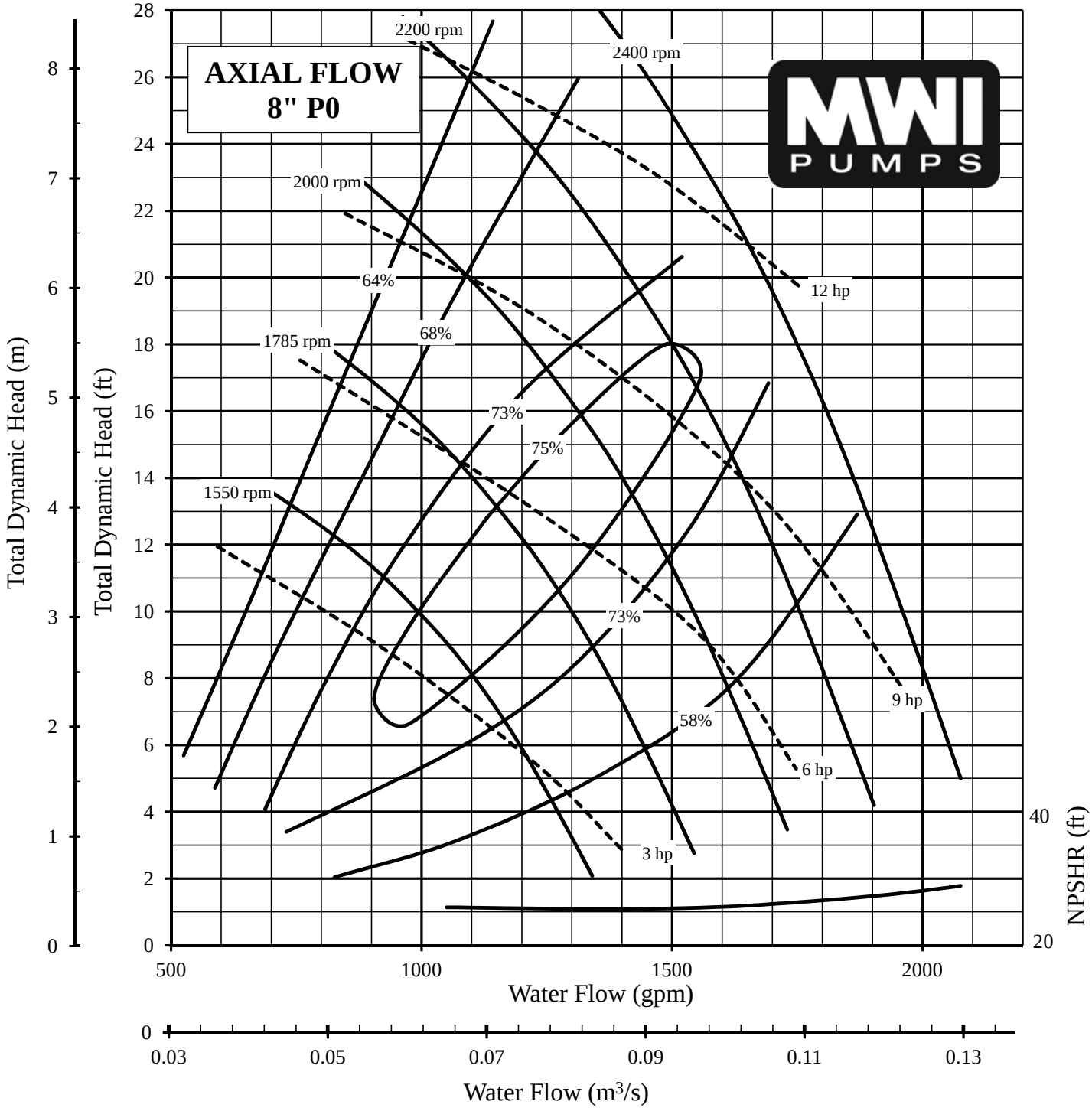

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 8"**
MODEL NO: NC308P0	**SPEED: As Noted**
INTAKE DIA: 12"	**DISCHARGE COLUMN DIA: 8"**
CURVE NO.: VS308P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

IT IS HEREBY CERTIFIED THAT THIS CURVE REPRESENTS THE TRUE PERFORMANCE CHARACTERISTICS OF THE MWI PUMP MODEL SHOWN AND WAS OBTAINED BY SCALE MODEL TEST AND CALCULATIONS IN ACORDANCE WITH STANDARDS OF THE HYDRAULIC INSTITUTE.

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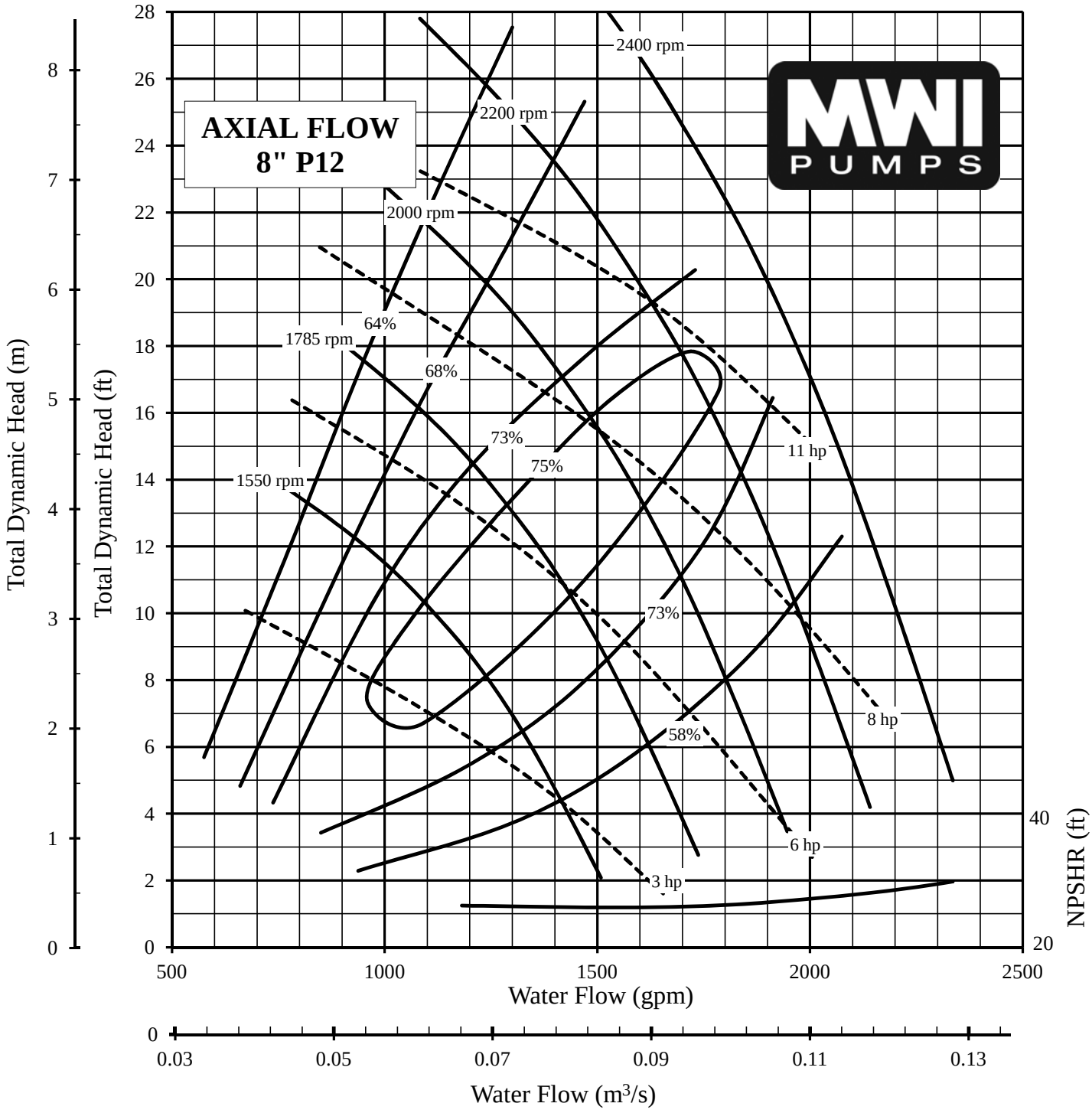

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 8"**
MODEL NO: NC308P12	**SPEED: As Noted**
INTAKE DIA: 12"	**DISCHARGE COLUMN DIA: 8"**
CURVE NO.: VS308P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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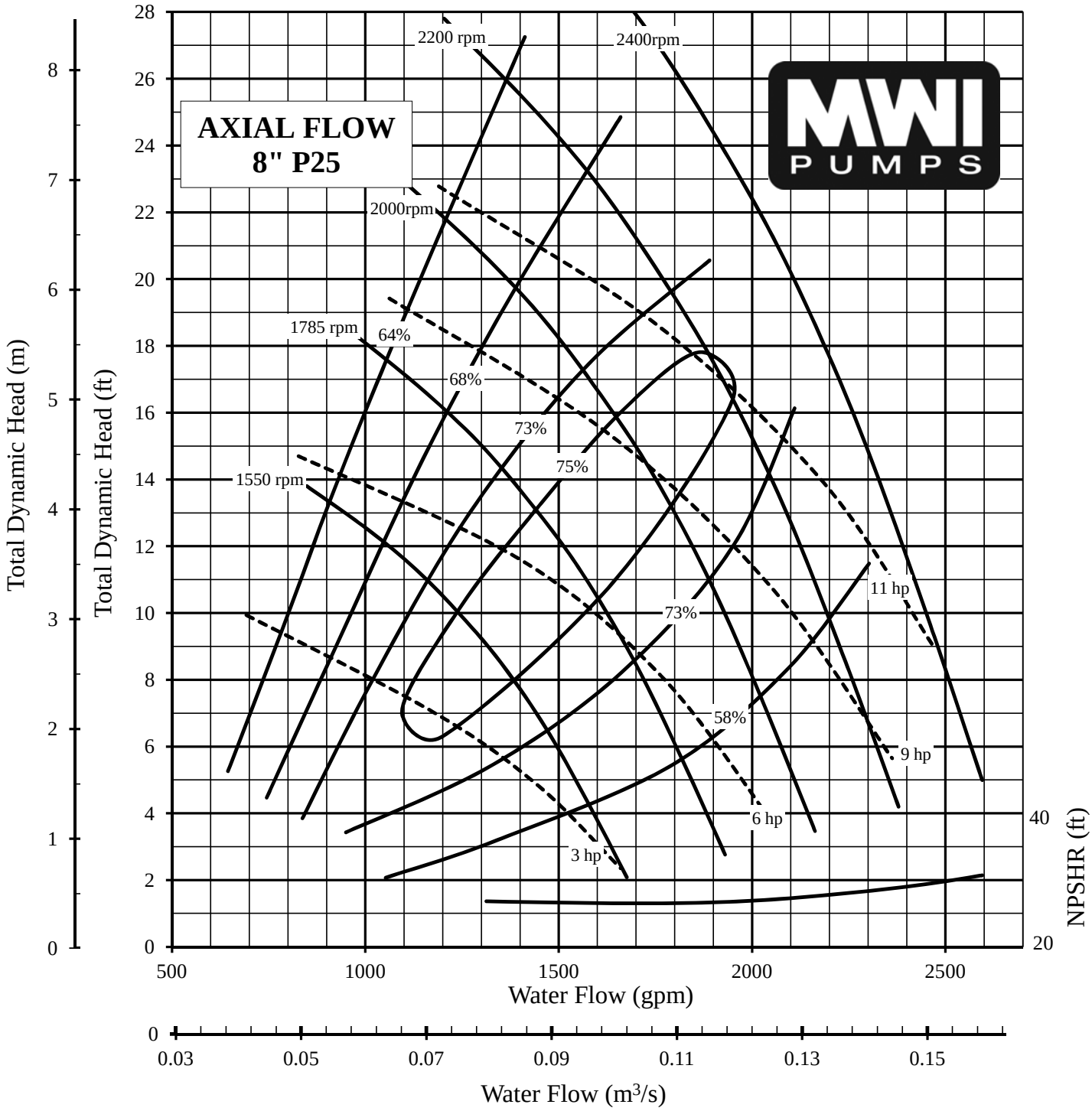

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 8"**
MODEL NO: NC308P25	**SPEED: As Noted**
INTAKE DIA: 12"	**DISCHARGE COLUMN DIA: 8"**
CURVE NO.: VS308P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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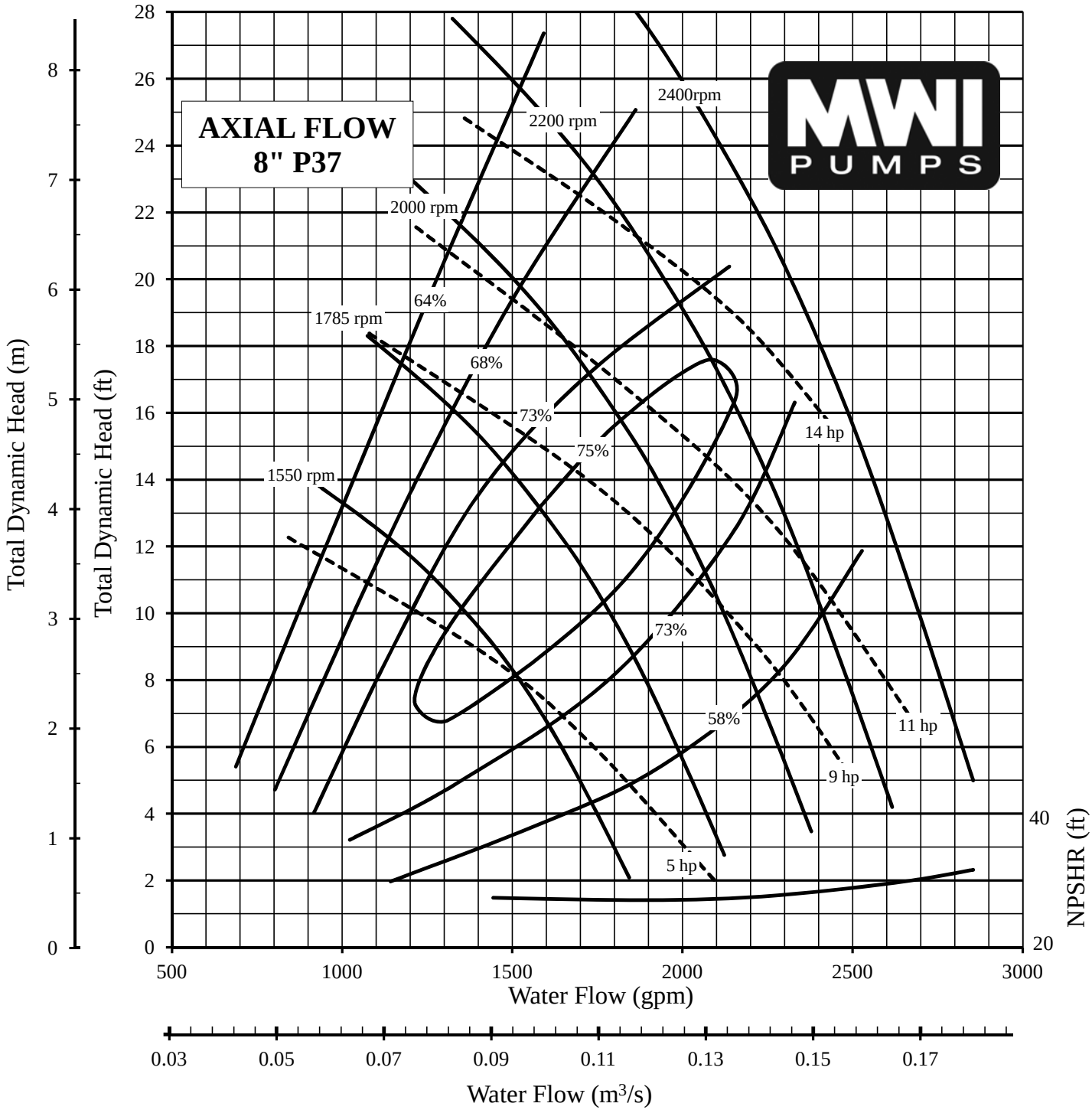

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 8"**
MODEL NO: NC308P37	**SPEED: As Noted**
INTAKE DIA: 12"	**DISCHARGE COLUMN DIA: 8"**
CURVE NO.: VS308P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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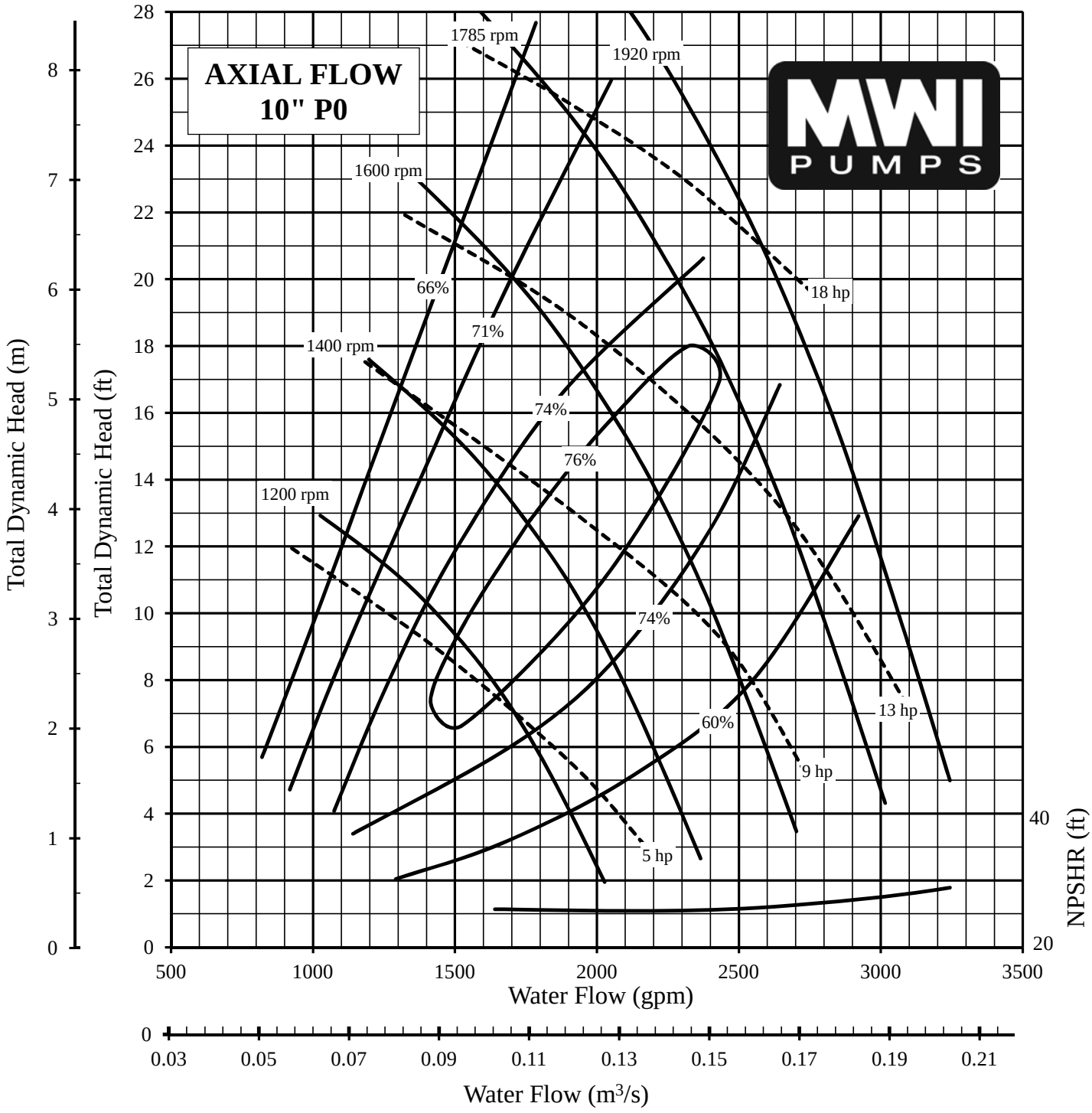

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 10"**
MODEL NO: NC310P0	**SPEED: As Noted**
INTAKE DIA: 15"	**DISCHARGE COLUMN DIA: 10"**
CURVE NO.: VS310P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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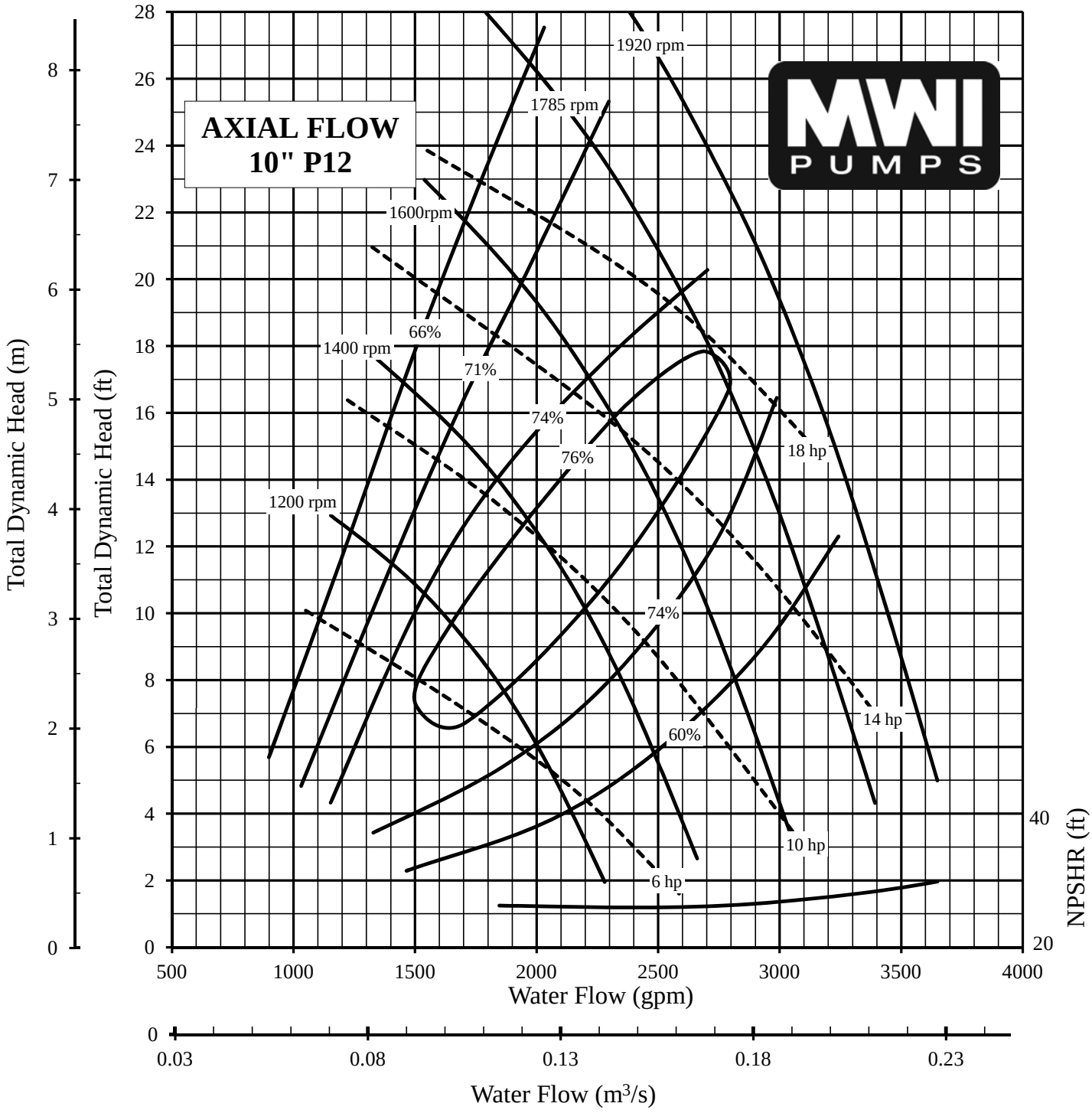

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 10"**
MODEL NO: NC310P12	**SPEED: As Noted**
INTAKE DIA: 15"	**DISCHARGE COLUMN DIA: 10"**
CURVE NO.: VS310P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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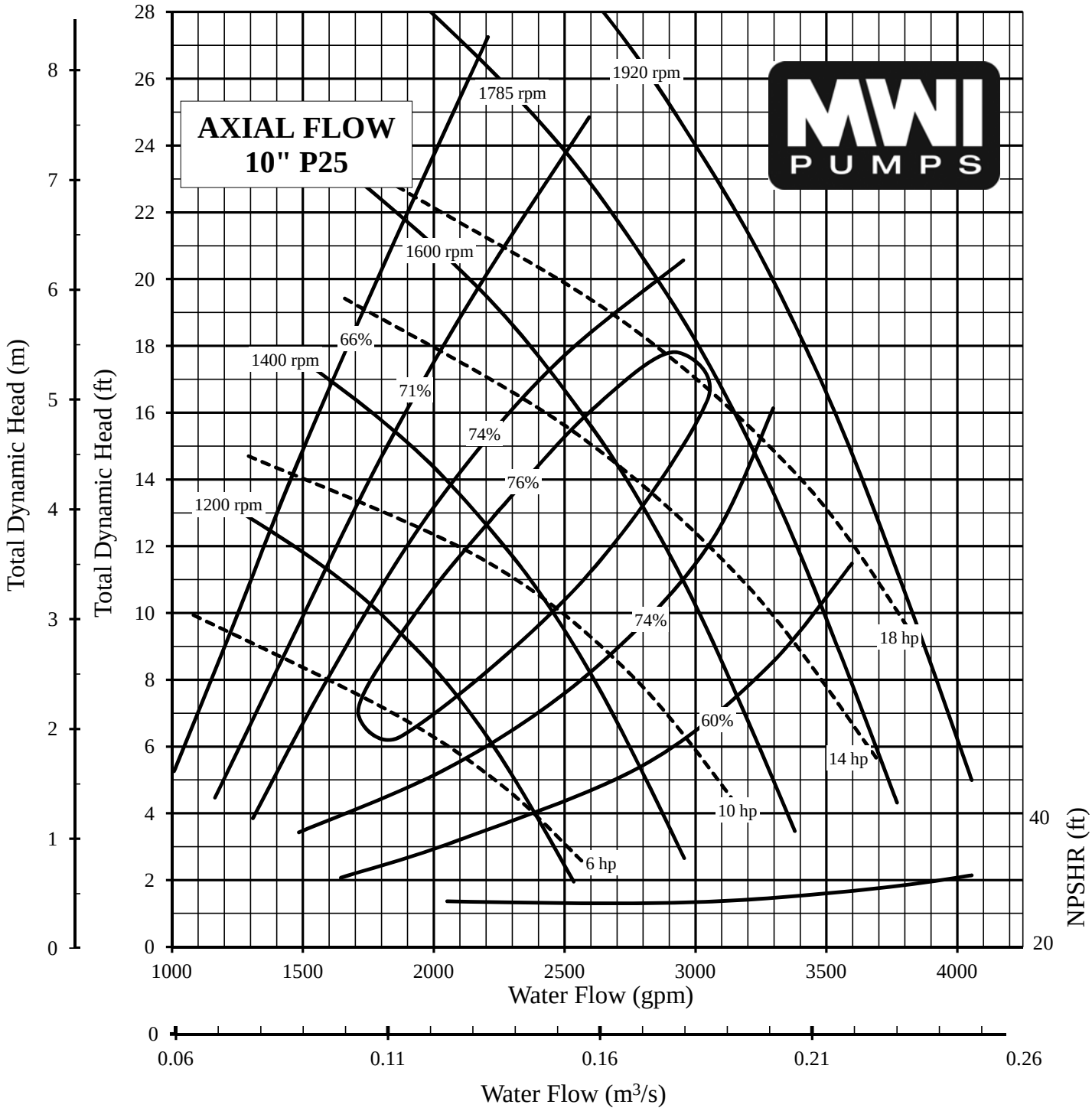

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 10"**
MODEL NO: NC310P25	**SPEED: As Noted**
INTAKE DIA: 15"	**DISCHARGE COLUMN DIA: 10"**
CURVE NO.: VS310P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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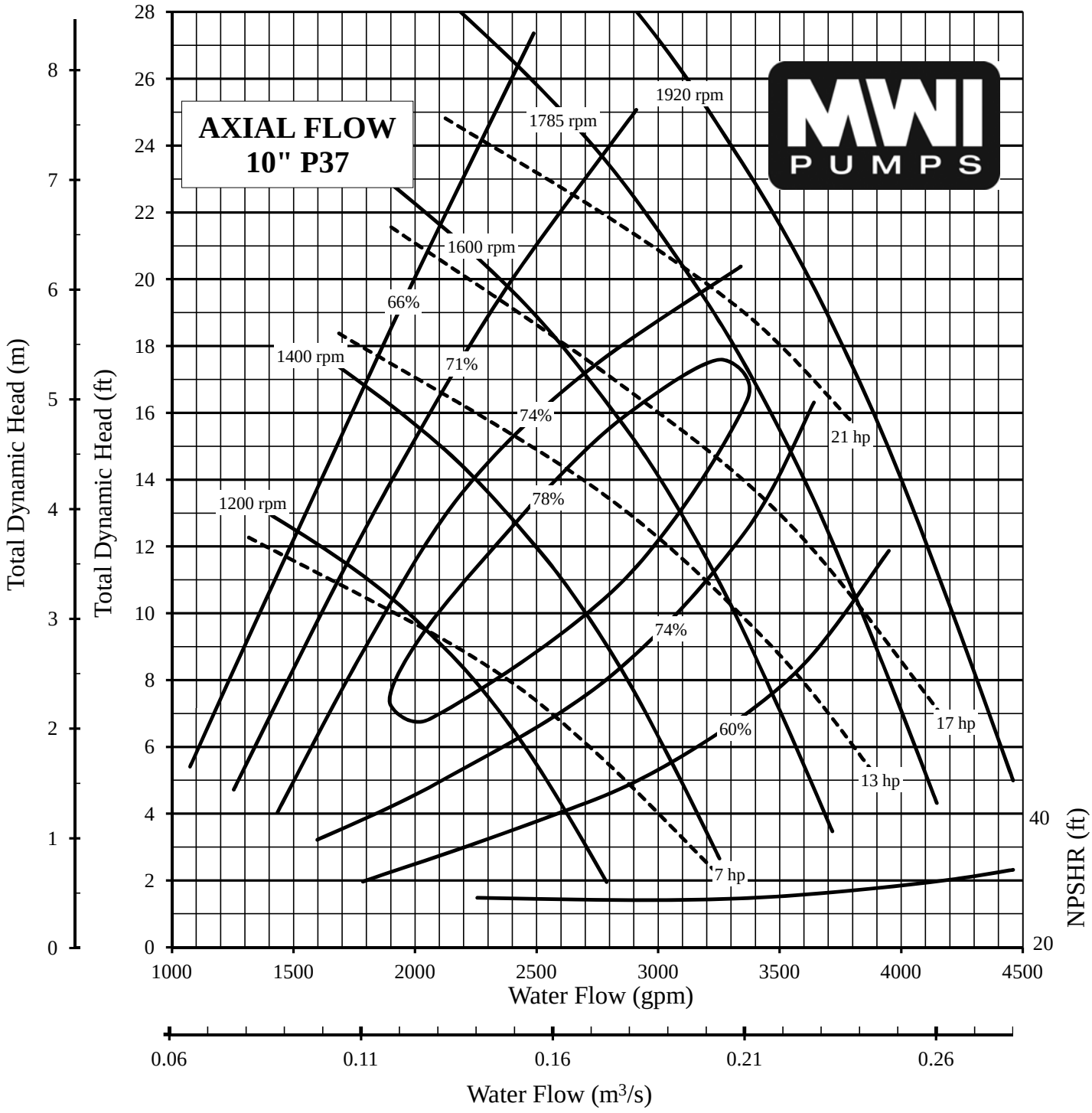

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 10"**
MODEL NO: NC310P37	**SPEED: As Noted**
INTAKE DIA: 15"	**DISCHARGE COLUMN DIA: 10"**
CURVE NO.: VS310P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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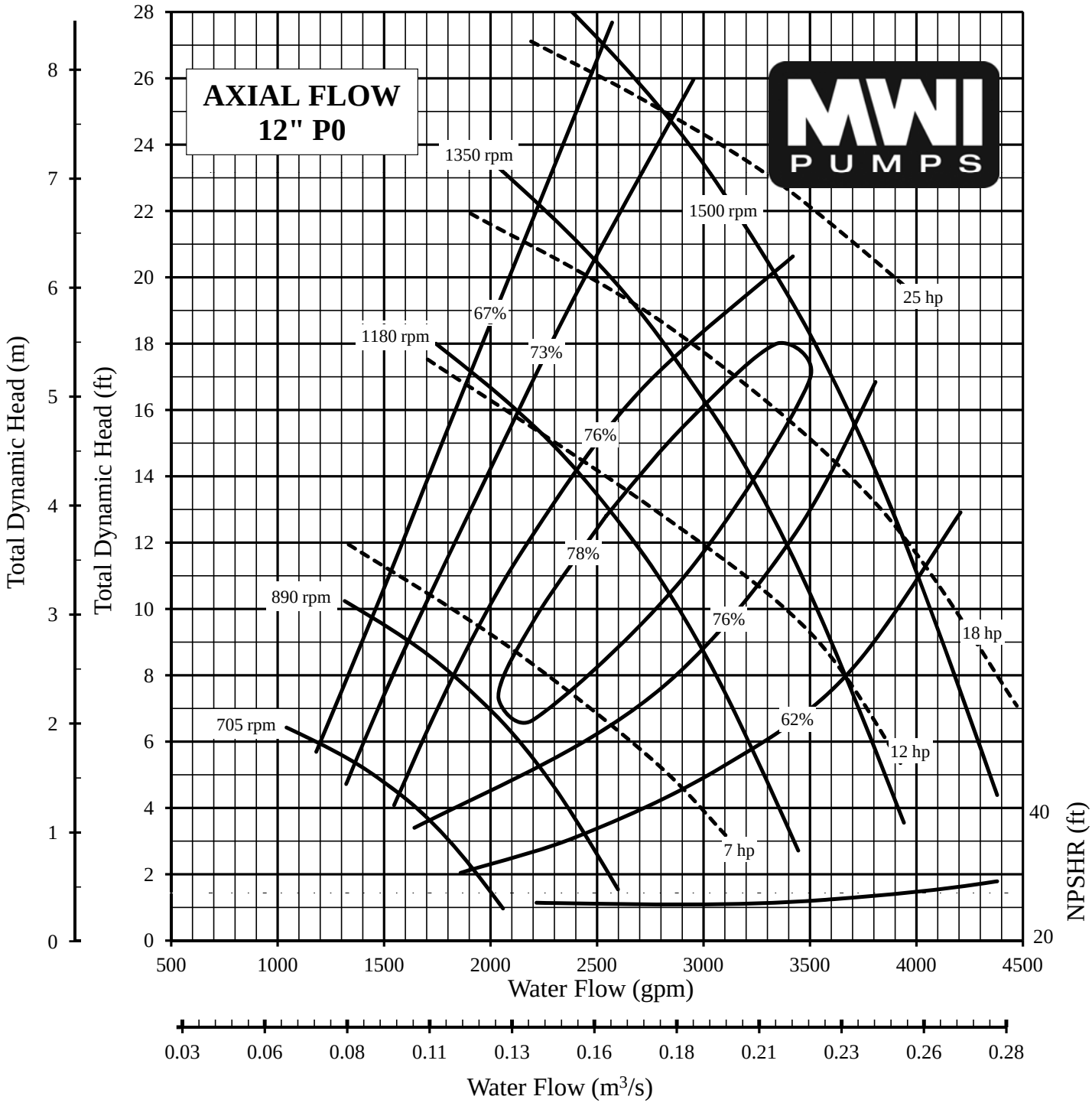

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 12"**
MODEL NO: NC312P0	**SPEED: As Noted**
INTAKE DIA: 18"	**DISCHARGE COLUMN DIA: 12"**
CURVE NO.: VS312P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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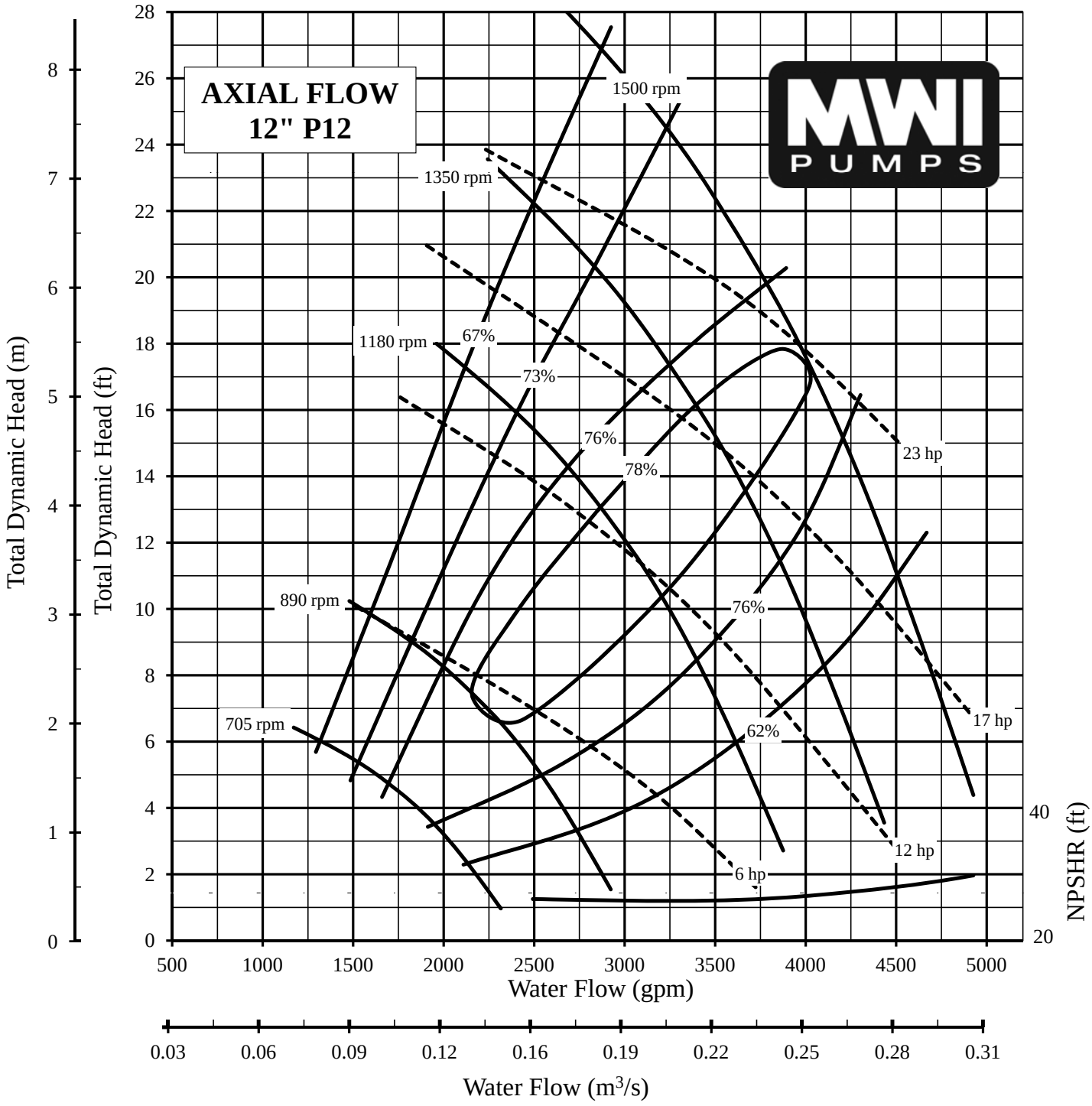

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 12"**
MODEL NO: NC312P12	**SPEED: As Noted**
INTAKE DIA: 18"	**DISCHARGE COLUMN DIA: 12"**
CURVE NO.: VS312P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
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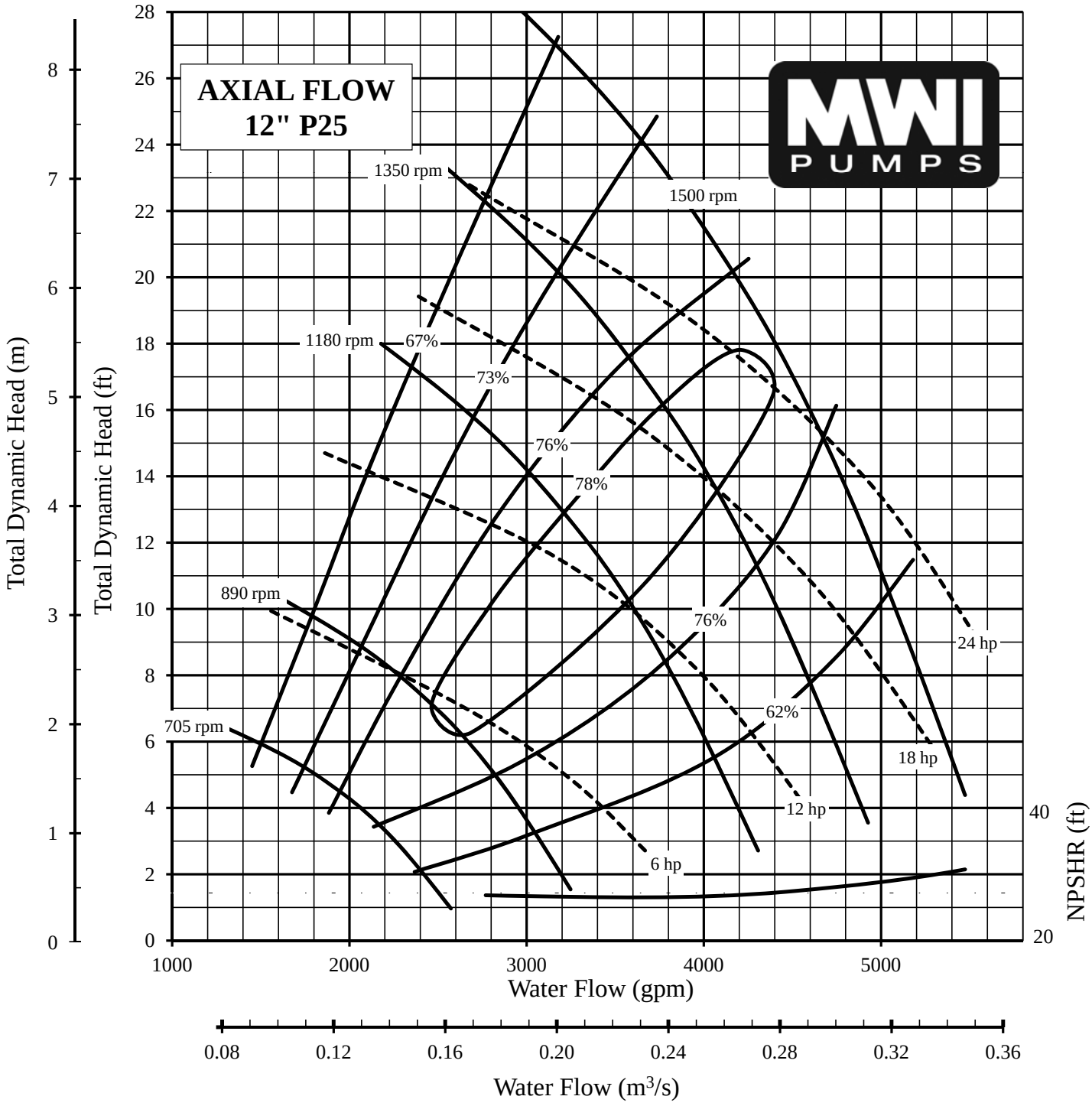
MWI CORPORATION
Deerfield Beach, Florida



PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 12"**
MODEL NO: NC312P25	**SPEED: As Noted**
INTAKE DIA: 18"	**DISCHARGE COLUMN DIA: 12"**
CURVE NO.: VS312P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

IT IS HEREBY CERTIFIED THAT THIS CURVE REPRESENTS THE TRUE PERFORMANCE CHARACTERISTICS OF THE MWI PUMP MODEL SHOWN AND WAS OBTAINED BY SCALE MODEL TEST AND CALCULATIONS IN ACORDANCE WITH STANDARDS OF THE HYDRAULIC INSTITUTE.

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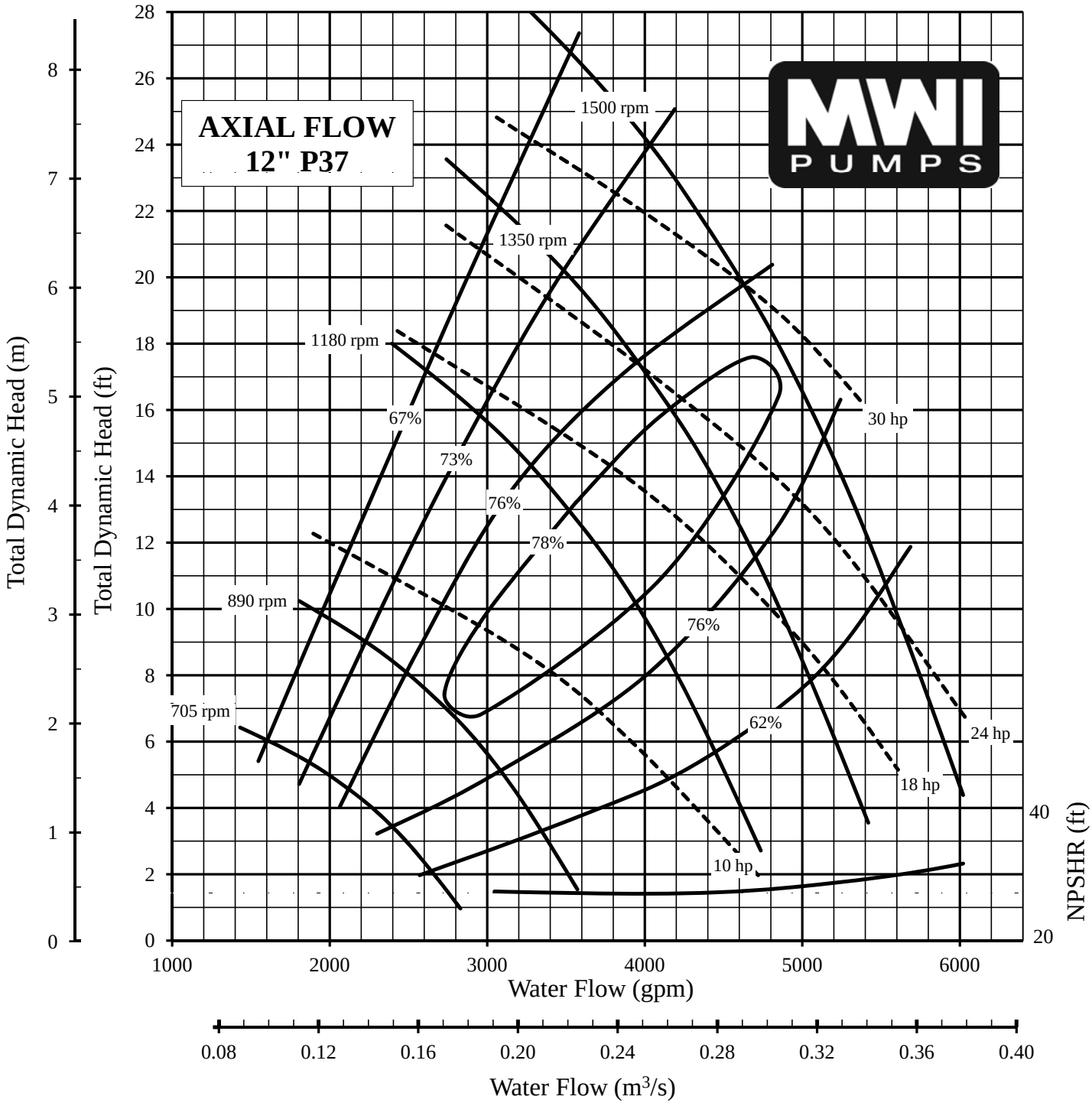

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 12"**
MODEL NO: NC312P37	**SPEED: As Noted**
INTAKE DIA: 18"	**DISCHARGE COLUMN DIA: 12"**
CURVE NO.: VS312P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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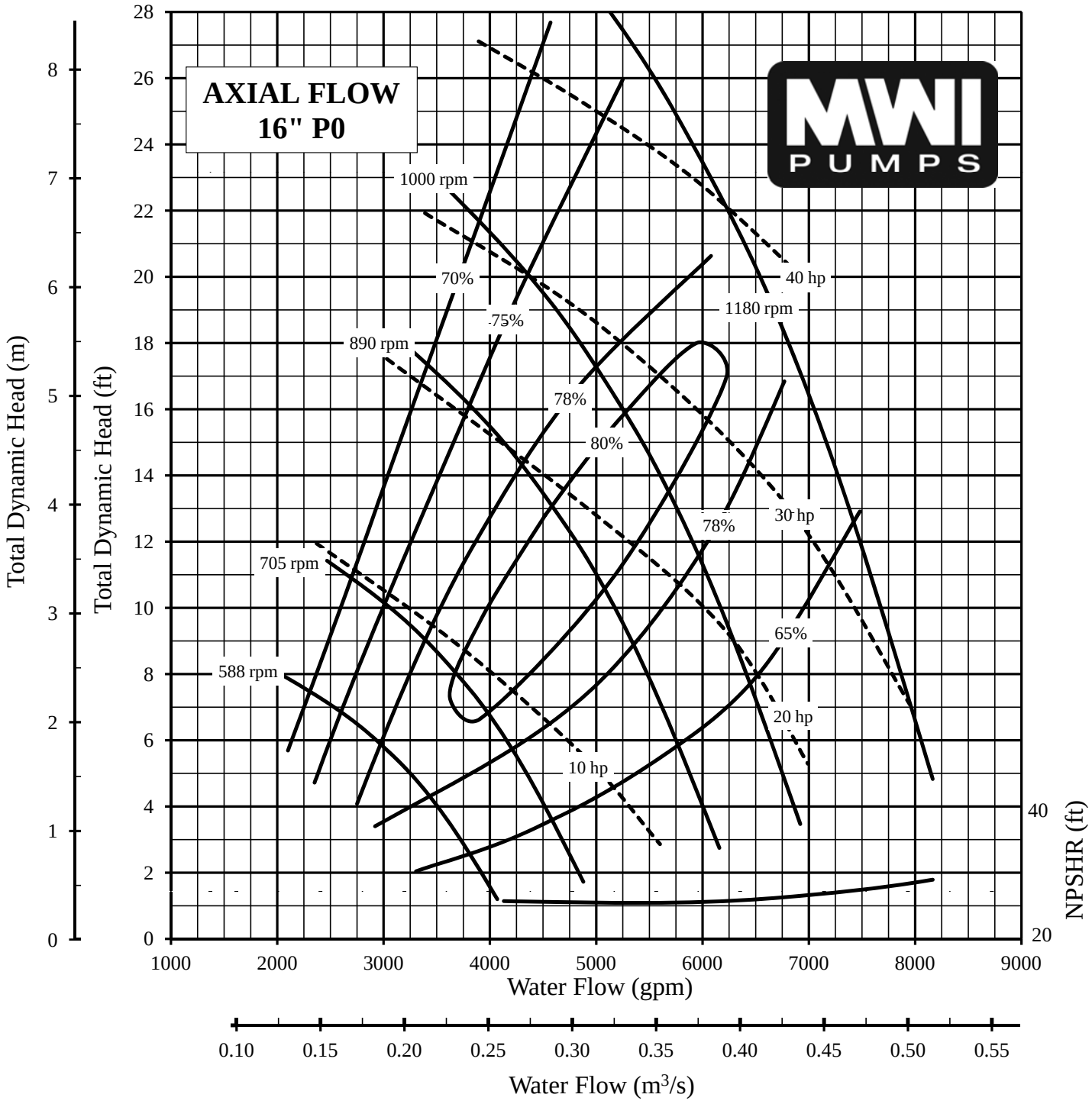

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 16"**
MODEL NO: NC316P0	**SPEED: As Noted**
INTAKE DIA: 24"	**DISCHARGE COLUMN DIA: 16"**
CURVE NO.: VS316P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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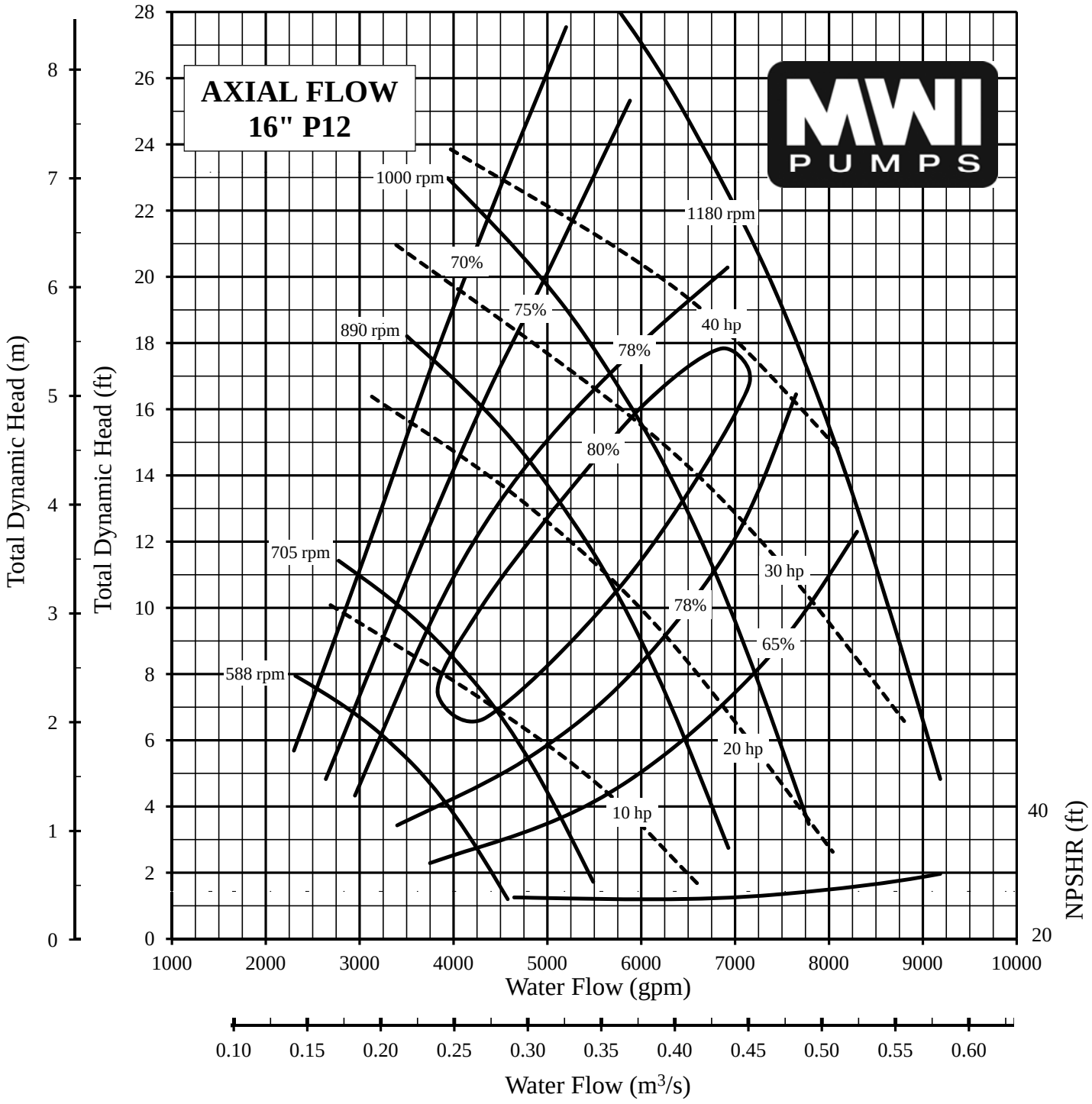

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 16"**
MODEL NO: NC316P12	**SPEED: As Noted**
INTAKE DIA: 24"	**DISCHARGE COLUMN DIA: 16"**
CURVE NO.: VS316P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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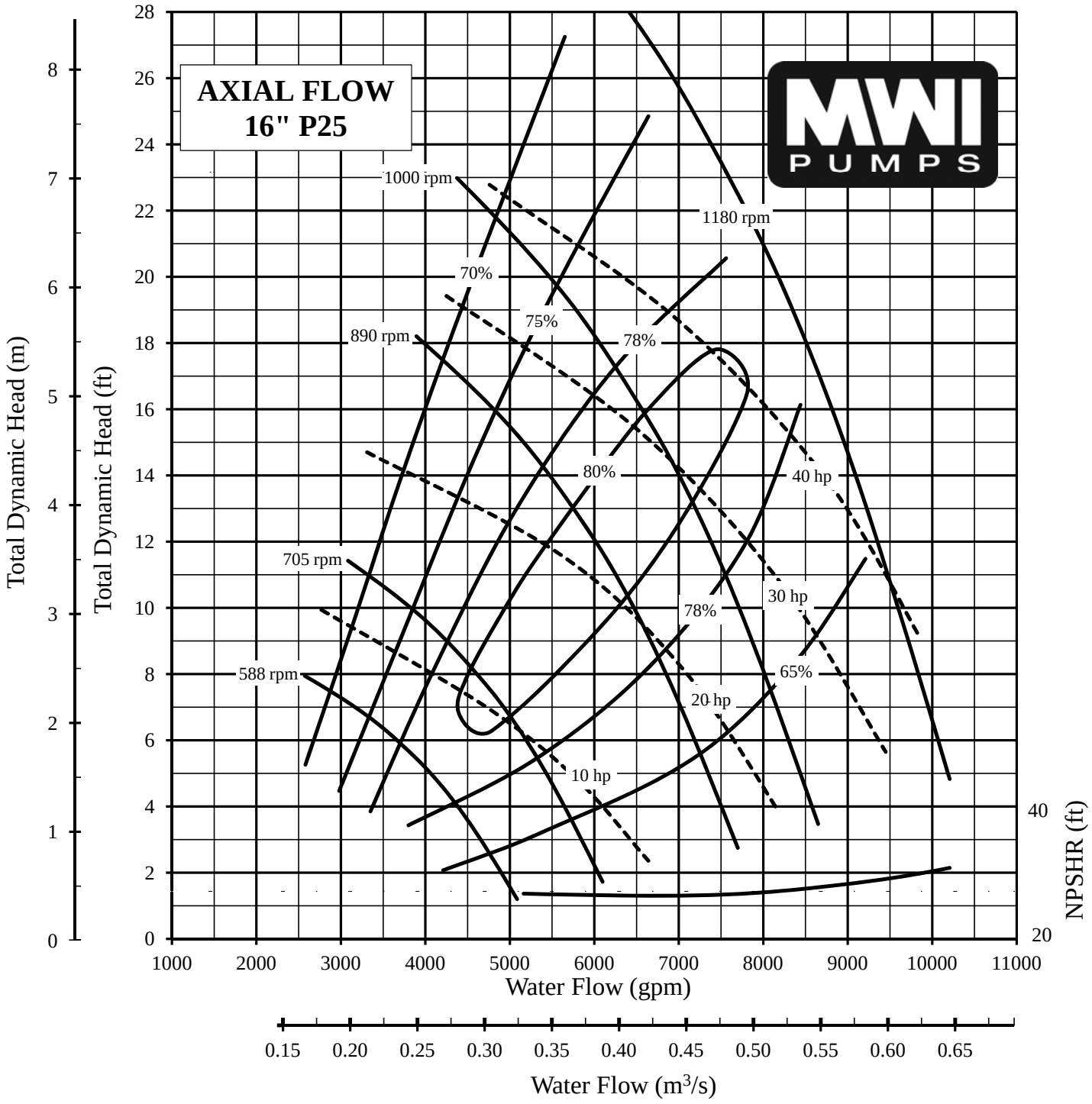

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 16"**
MODEL NO: NC316P25	**SPEED: As Noted**
INTAKE DIA: 24"	**DISCHARGE COLUMN DIA: 16"**
CURVE NO.: VS316P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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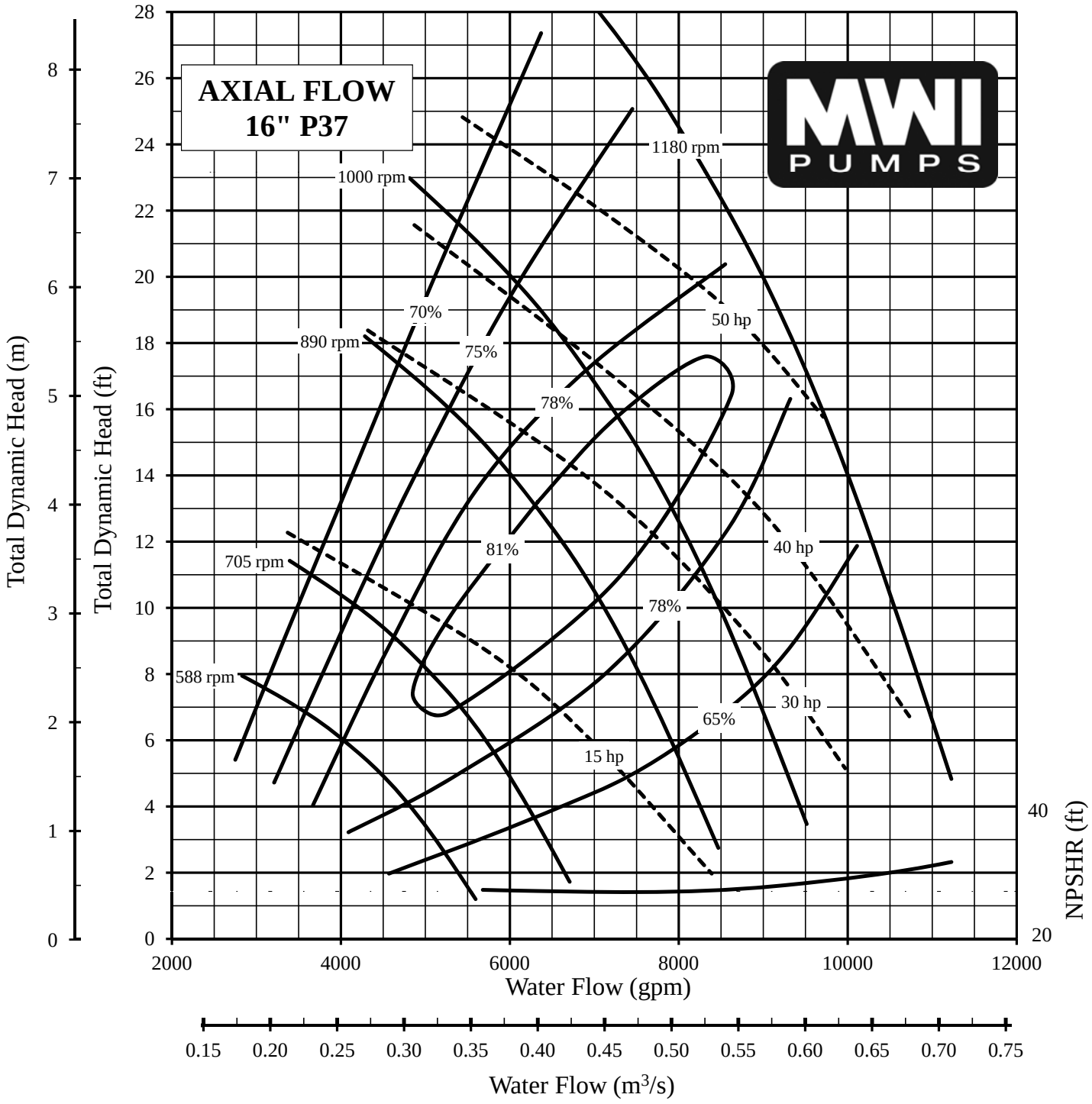

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 16"**
MODEL NO: NC316P37	**SPEED: As Noted**
INTAKE DIA: 24"	**DISCHARGE COLUMN DIA: 16"**
CURVE NO.: VS316P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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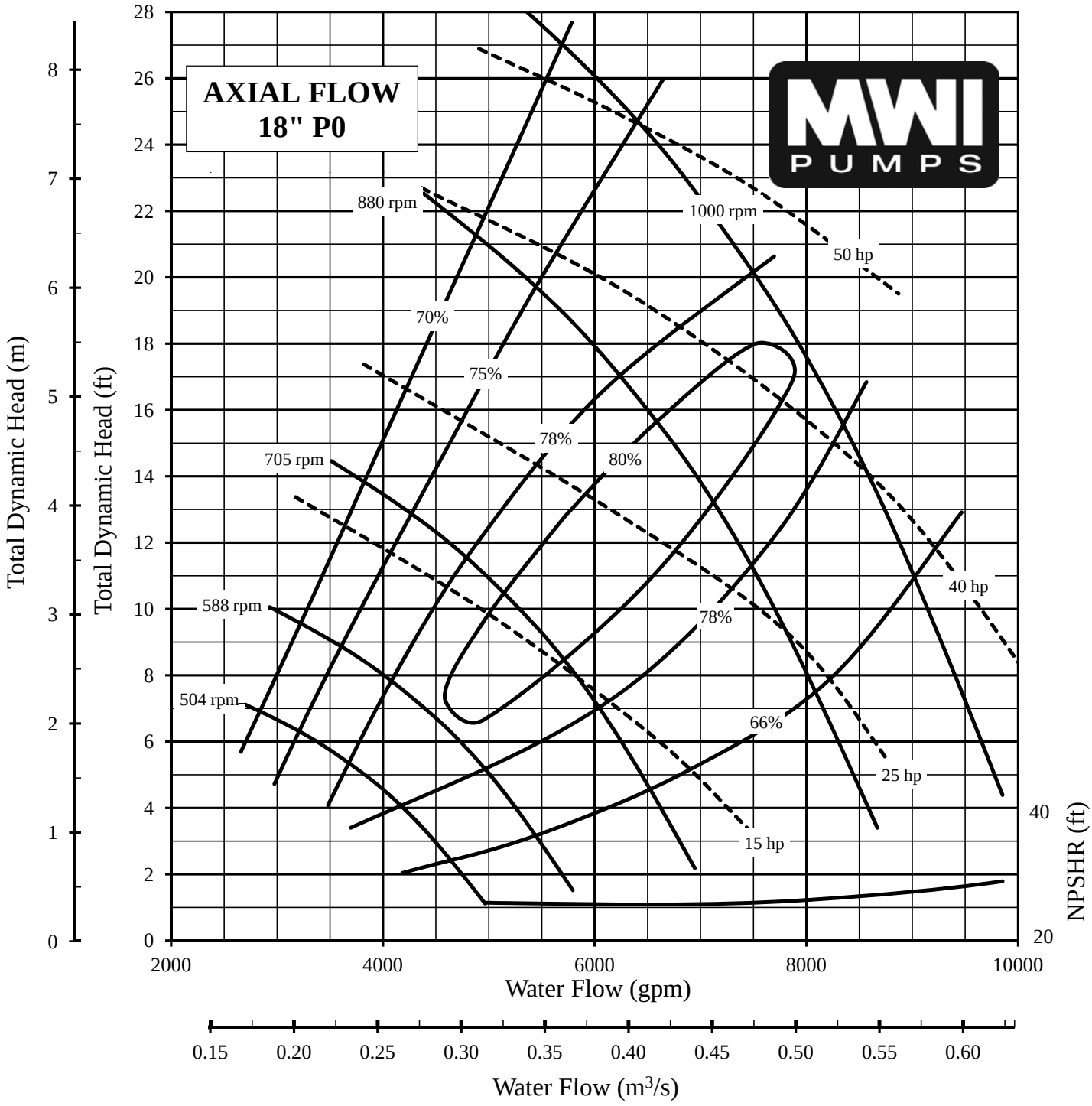

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 18"**
MODEL NO: NC318P0	**SPEED: As Noted**
INTAKE DIA: 27"	**DISCHARGE COLUMN DIA: 18"**
CURVE NO.: VS318P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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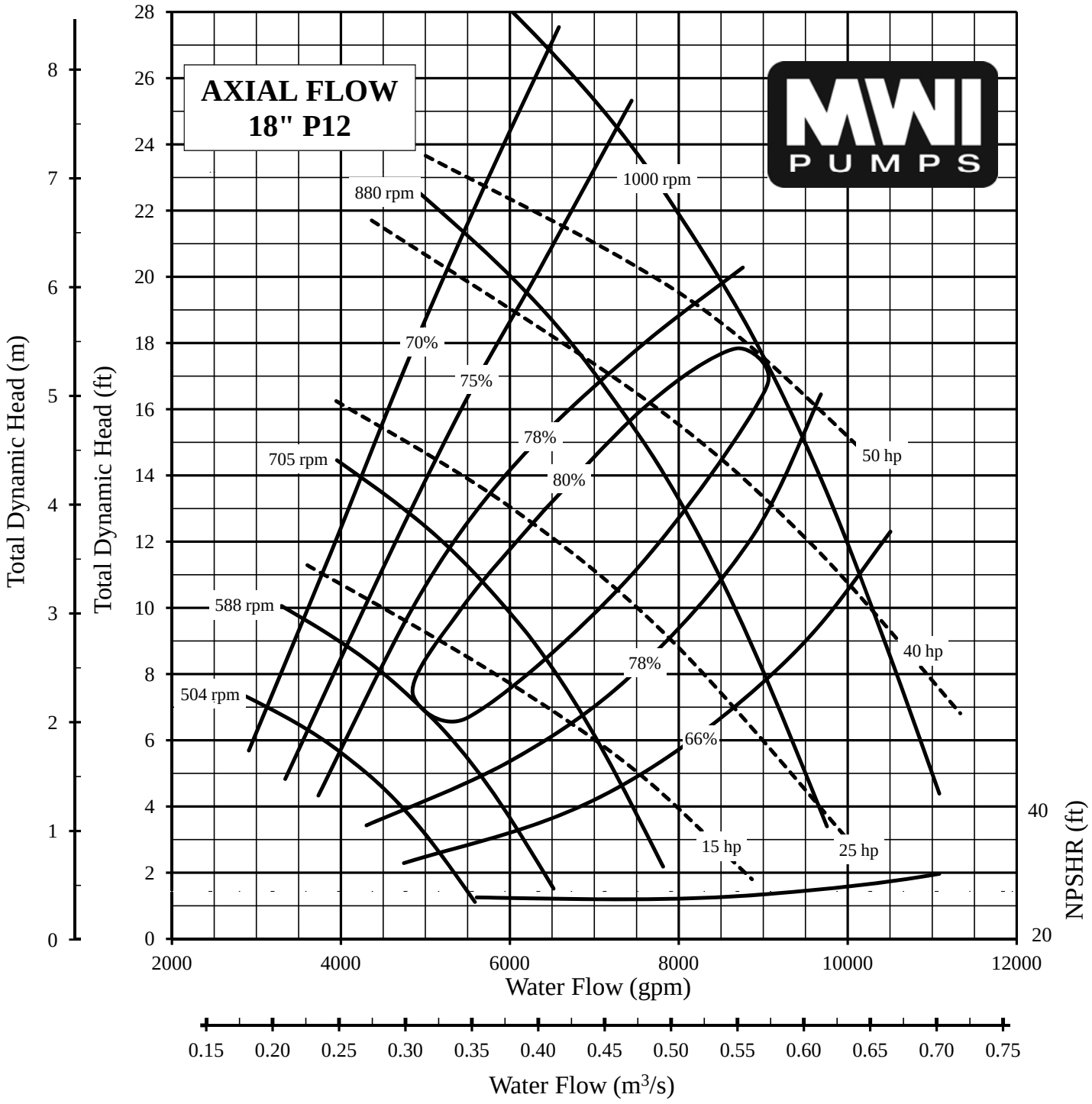

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 18"**
MODEL NO: NC318P12	**SPEED: As Noted**
INTAKE DIA: 27"	**DISCHARGE COLUMN DIA: 18"**
CURVE NO.: VS318P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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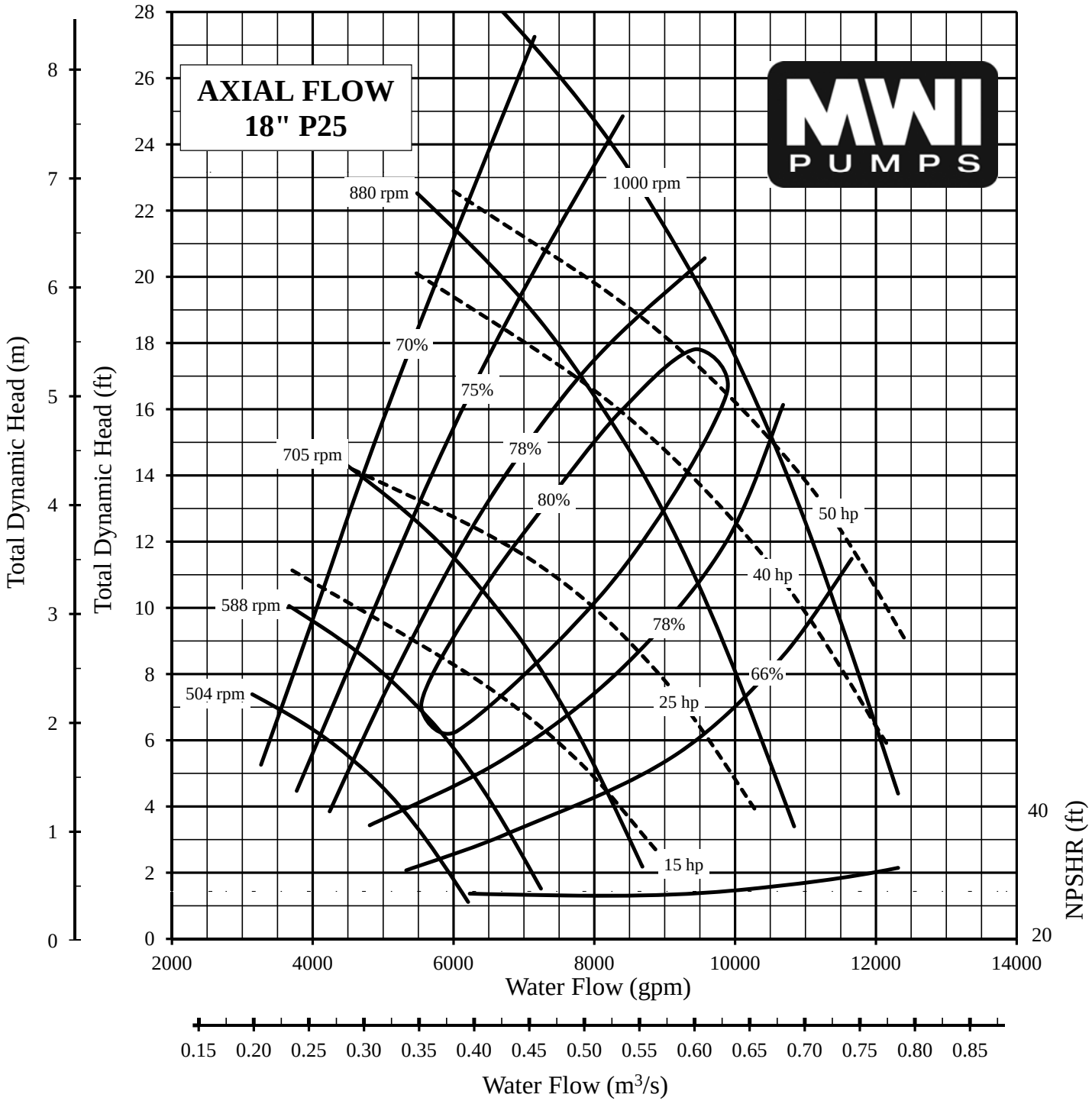

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 18"**
MODEL NO: NC318P25	**SPEED: As Noted**
INTAKE DIA: 27"	**DISCHARGE COLUMN DIA: 18"**
CURVE NO.: VS318P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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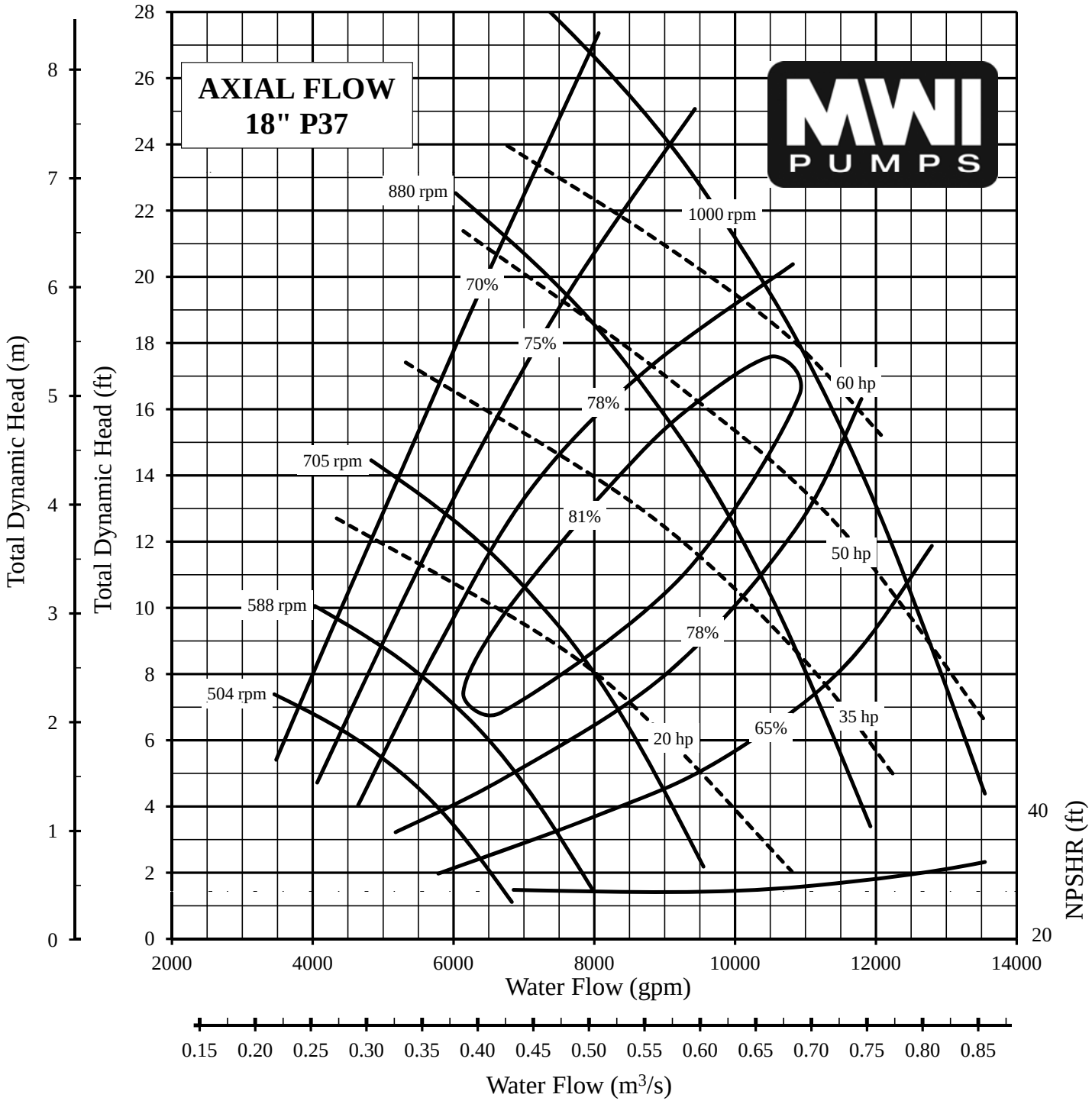

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 18"**
MODEL NO: NC318P37	**SPEED: As Noted**
INTAKE DIA: 27"	**DISCHARGE COLUMN DIA: 18"**
CURVE NO.: VS318P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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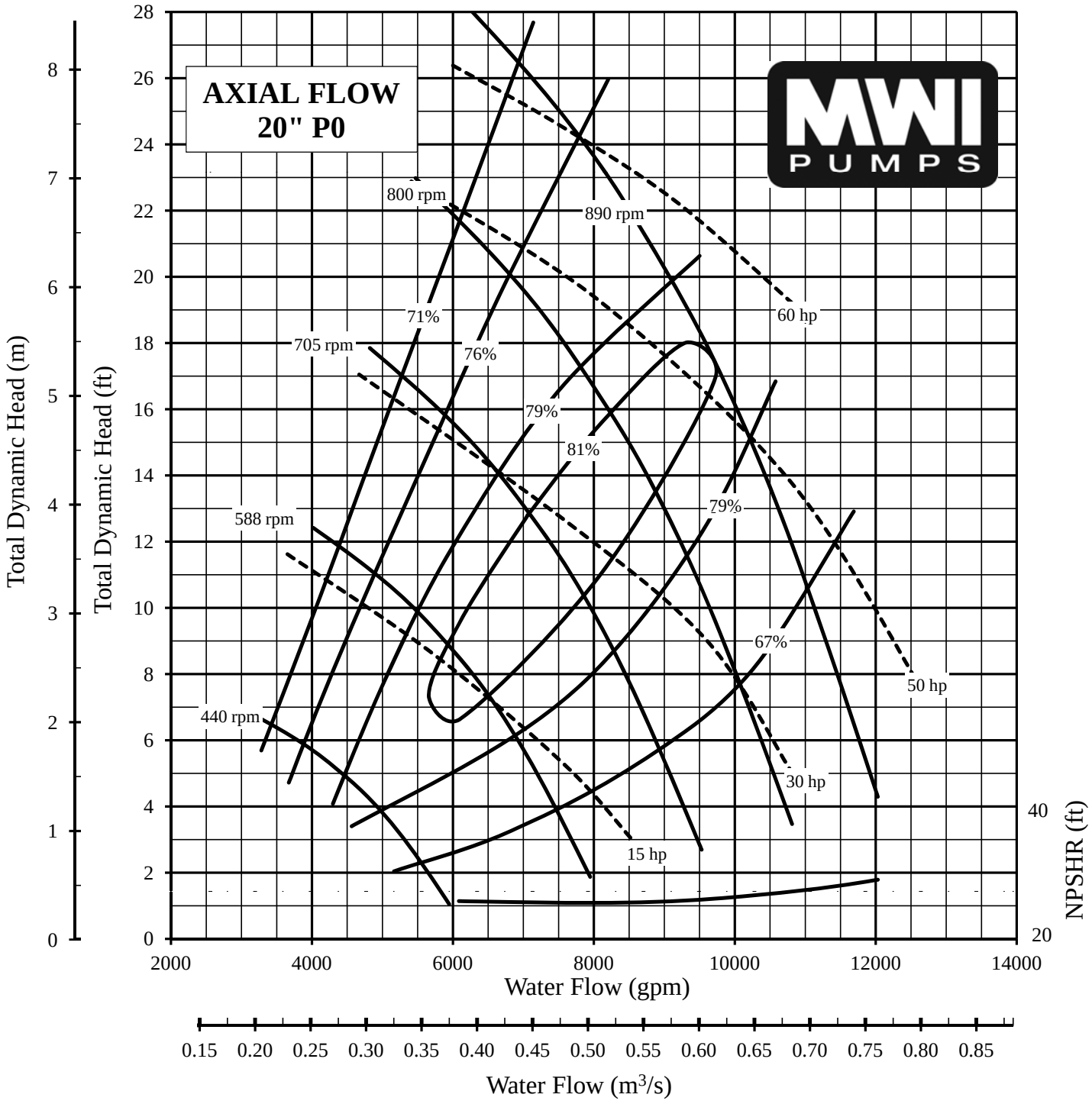

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 20"**
MODEL NO: NC320P0	**SPEED: As Noted**
INTAKE DIA: 30"	**DISCHARGE COLUMN DIA: 20"**
CURVE NO.: VS320P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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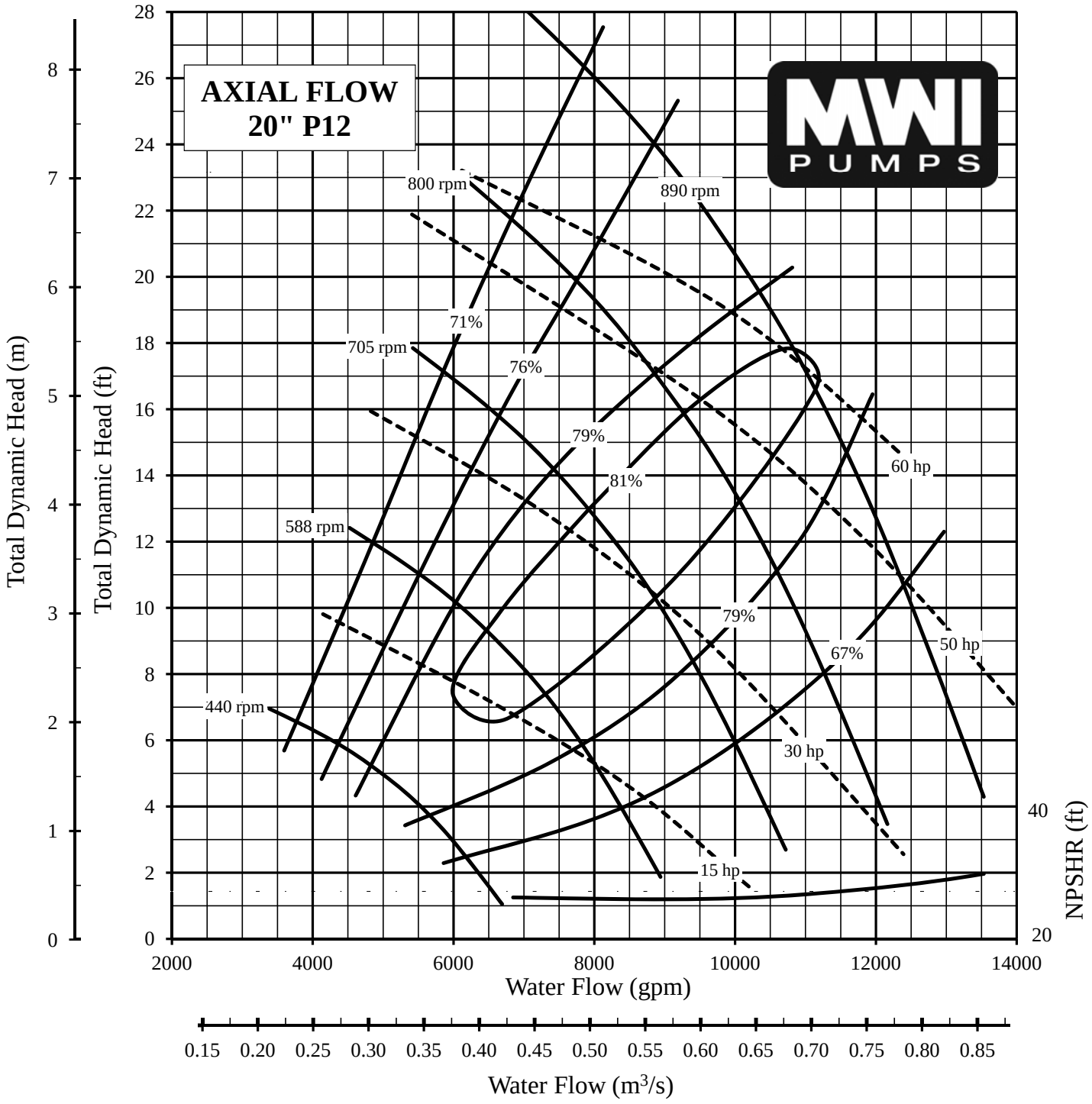

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 20"**
MODEL NO: NC320P12	**SPEED: As Noted**
INTAKE DIA: 30"	**DISCHARGE COLUMN DIA: 20"**
CURVE NO.: VS320P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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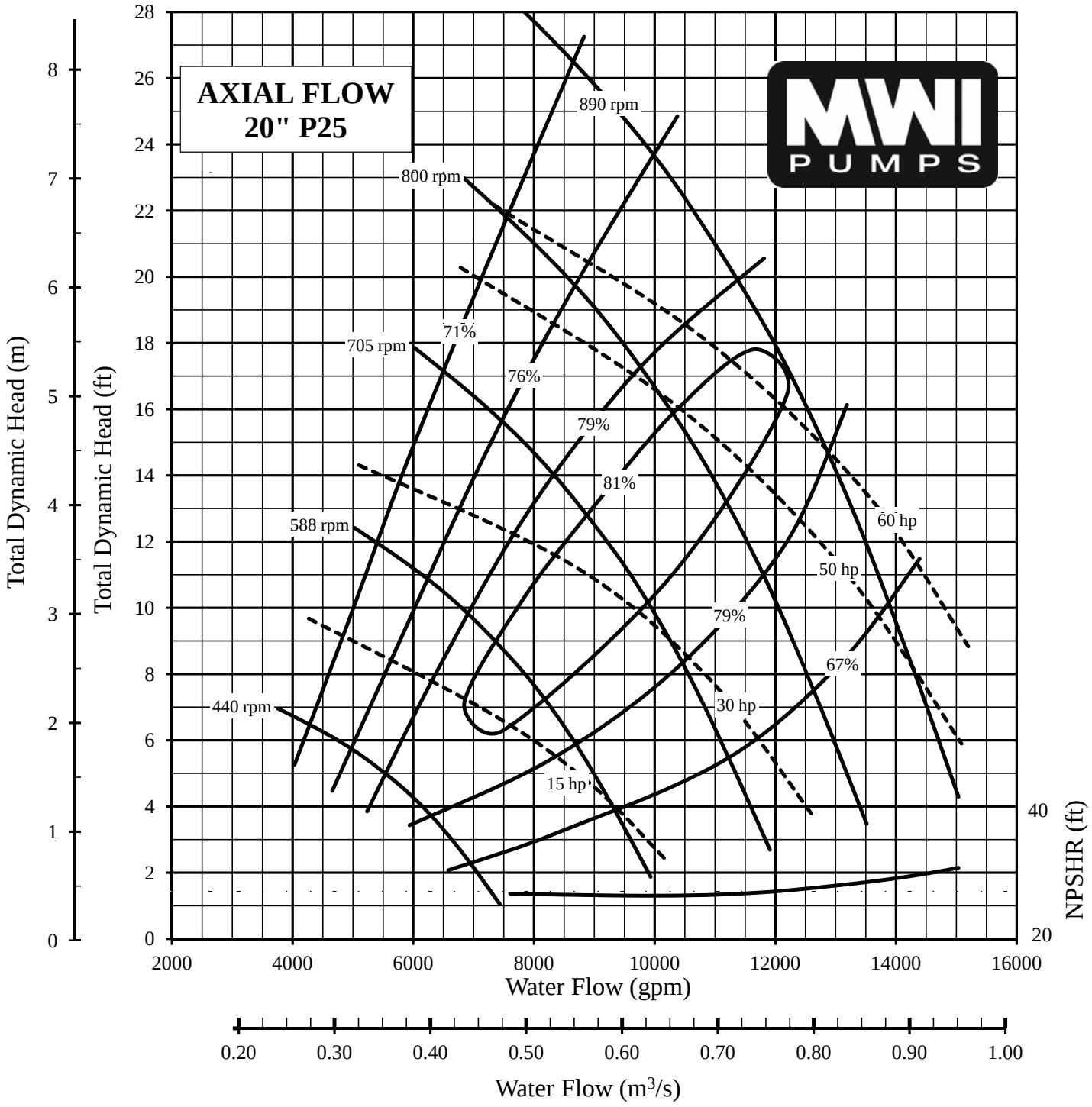

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 20"**
MODEL NO: NC320P25	**SPEED: As Noted**
INTAKE DIA: 30"	**DISCHARGE COLUMN DIA: 20"**
CURVE NO.: VS320P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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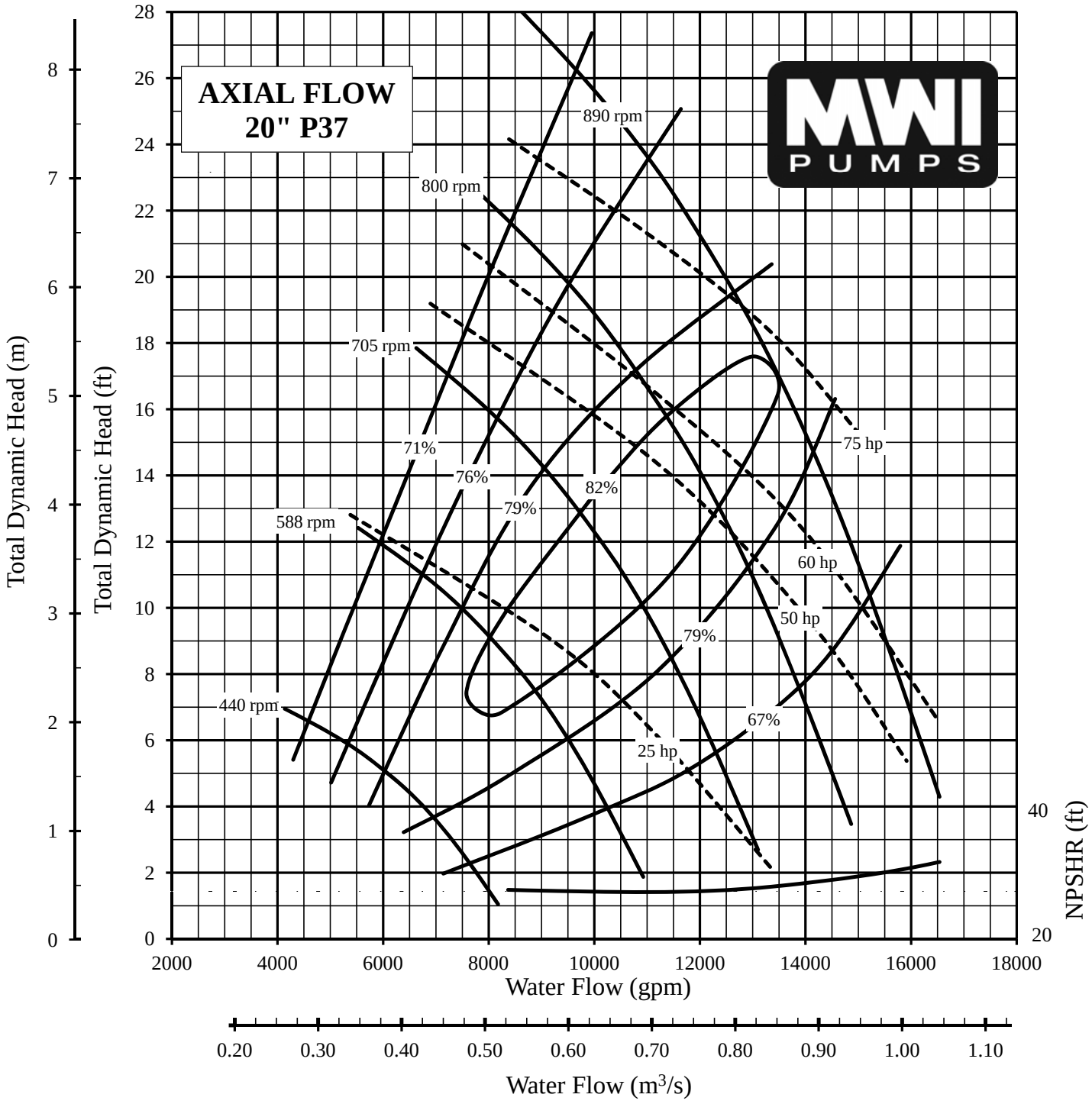

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 20"**
MODEL NO: NC320P37	**SPEED: As Noted**
INTAKE DIA: 30"	**DISCHARGE COLUMN DIA: 20"**
CURVE NO.: VS320P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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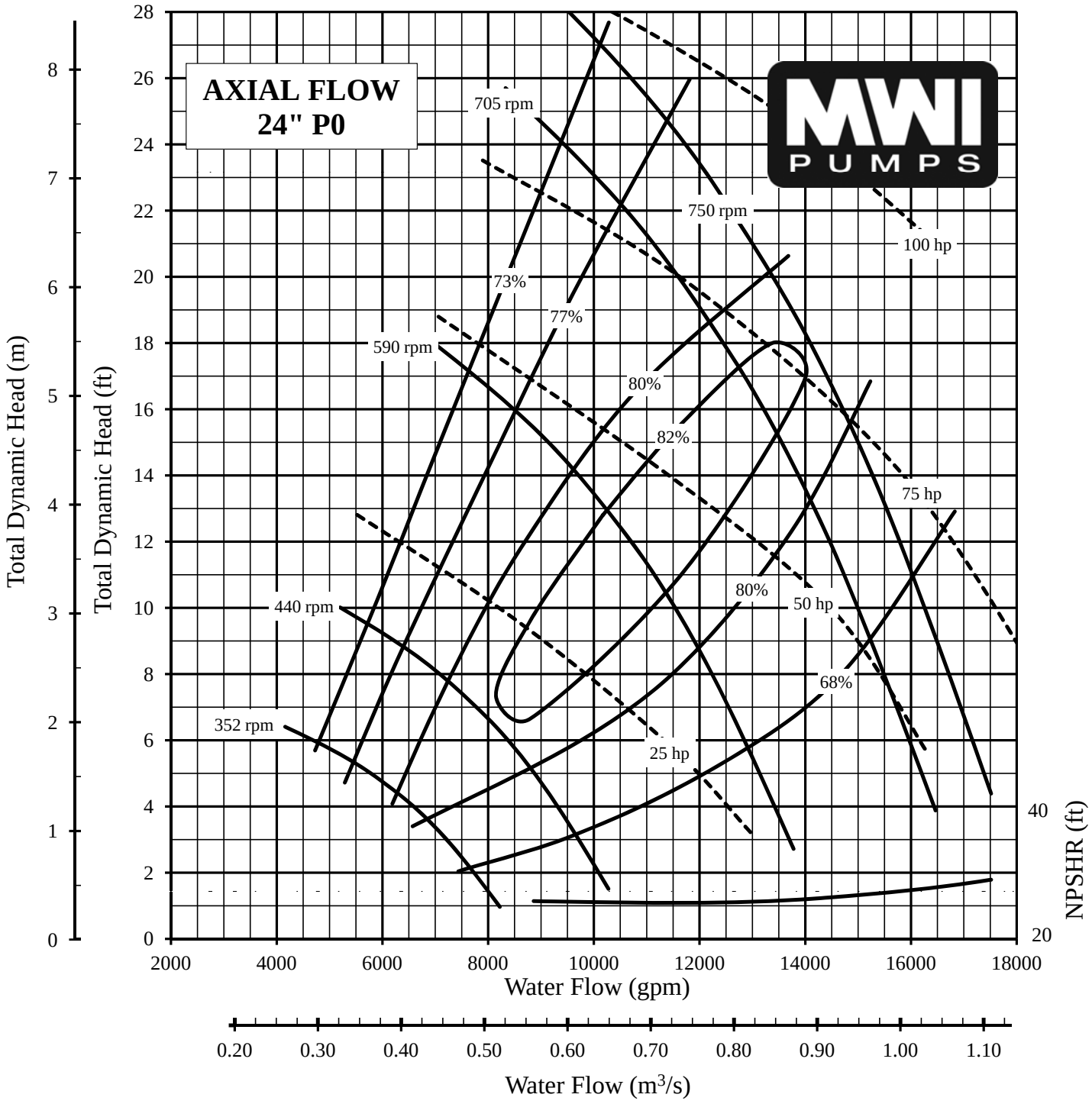

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 24"**
MODEL NO: NC324P0	**SPEED: As Noted**
INTAKE DIA: 36"	**DISCHARGE COLUMN DIA: 24"**
CURVE NO.: VS324P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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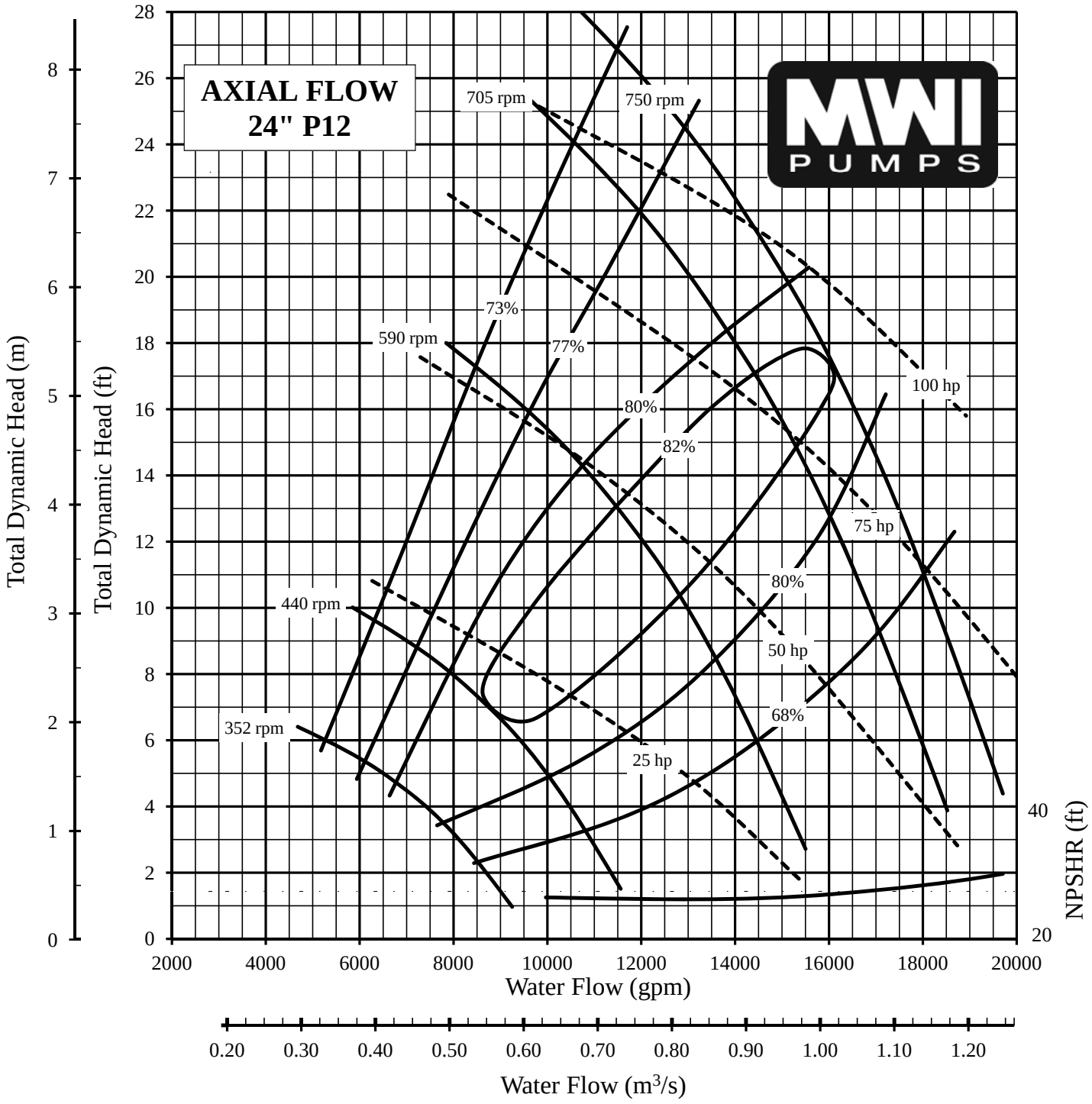

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 24"**
MODEL NO: NC324P12	**SPEED: As Noted**
INTAKE DIA: 36"	**DISCHARGE COLUMN DIA: 24"**
CURVE NO.: VS324P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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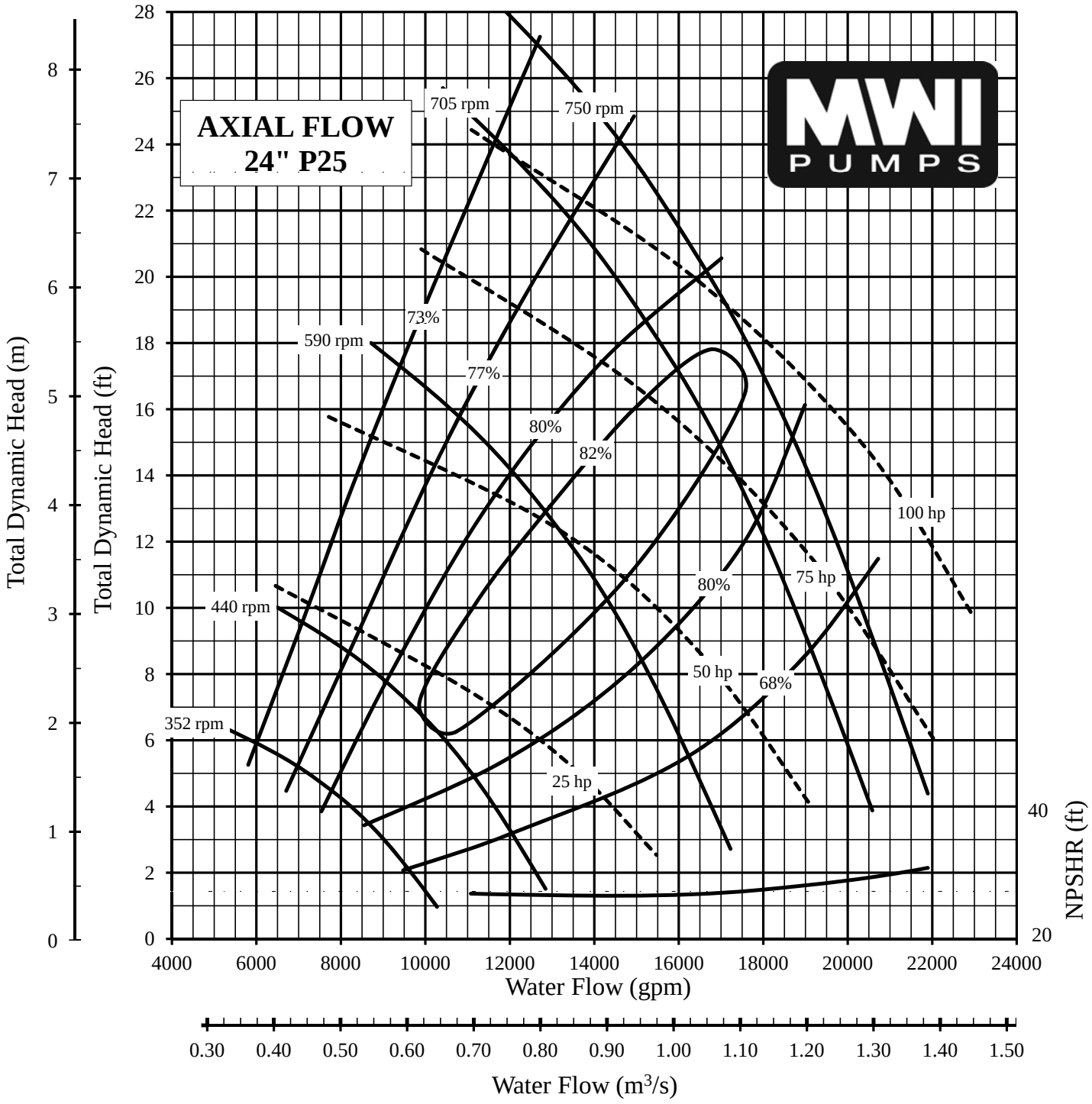

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 24"**
MODEL NO: NC324P25	**SPEED: As Noted**
INTAKE DIA: 36"	**DISCHARGE COLUMN DIA: 24"**
CURVE NO.: VS324P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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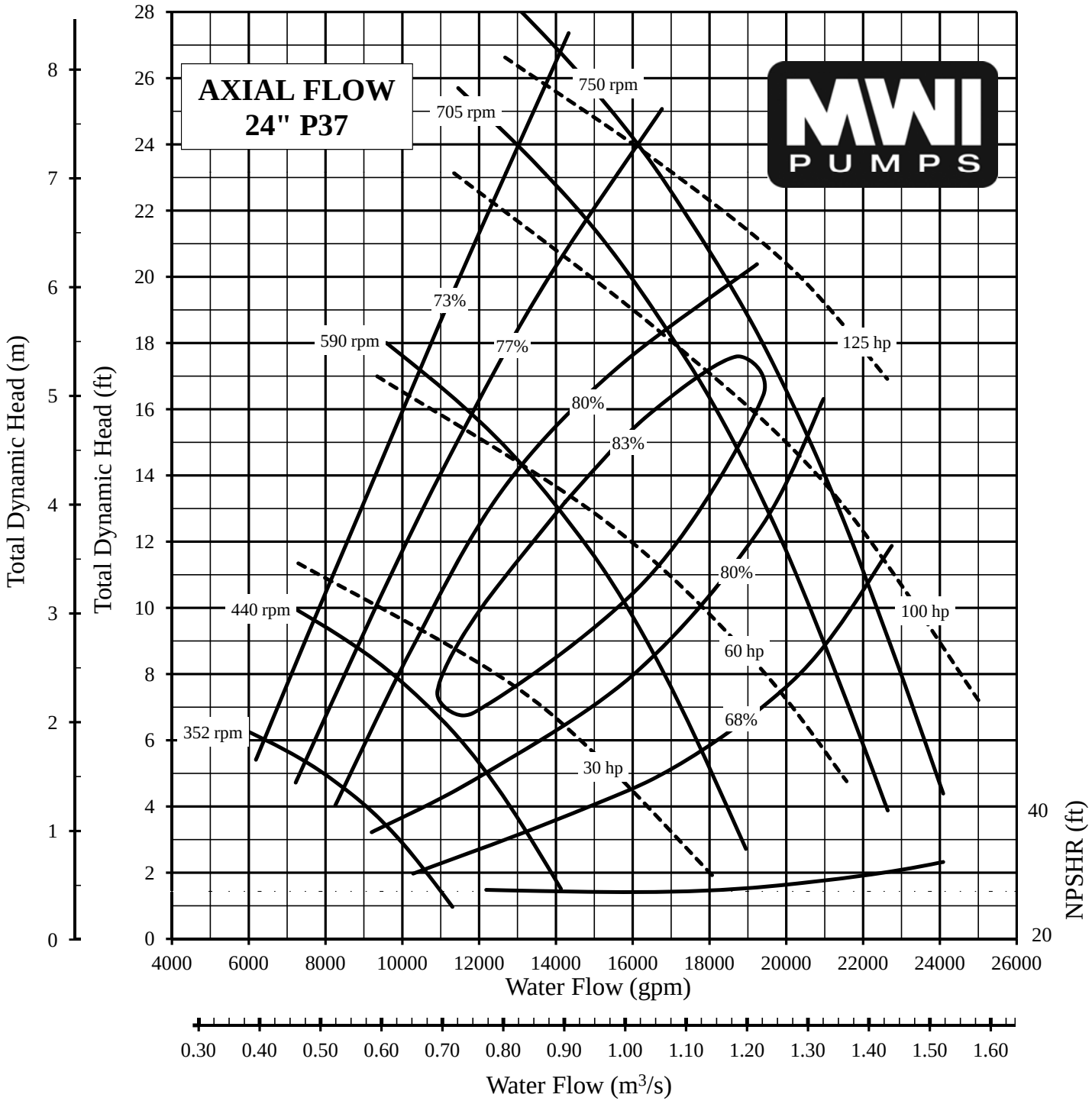

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 24"**
MODEL NO: NC324P37	**SPEED: As Noted**
INTAKE DIA: 36"	**DISCHARGE COLUMN DIA: 24"**
CURVE NO.: VS324P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

IT IS HEREBY CERTIFIED THAT THIS CURVE REPRESENTS THE TRUE PERFORMANCE CHARACTERISTICS OF THE MWI PUMP MODEL SHOWN AND WAS OBTAINED BY SCALE MODEL TEST AND CALCULATIONS IN ACORDANCE WITH STANDARDS OF THE HYDRAULIC INSTITUTE.

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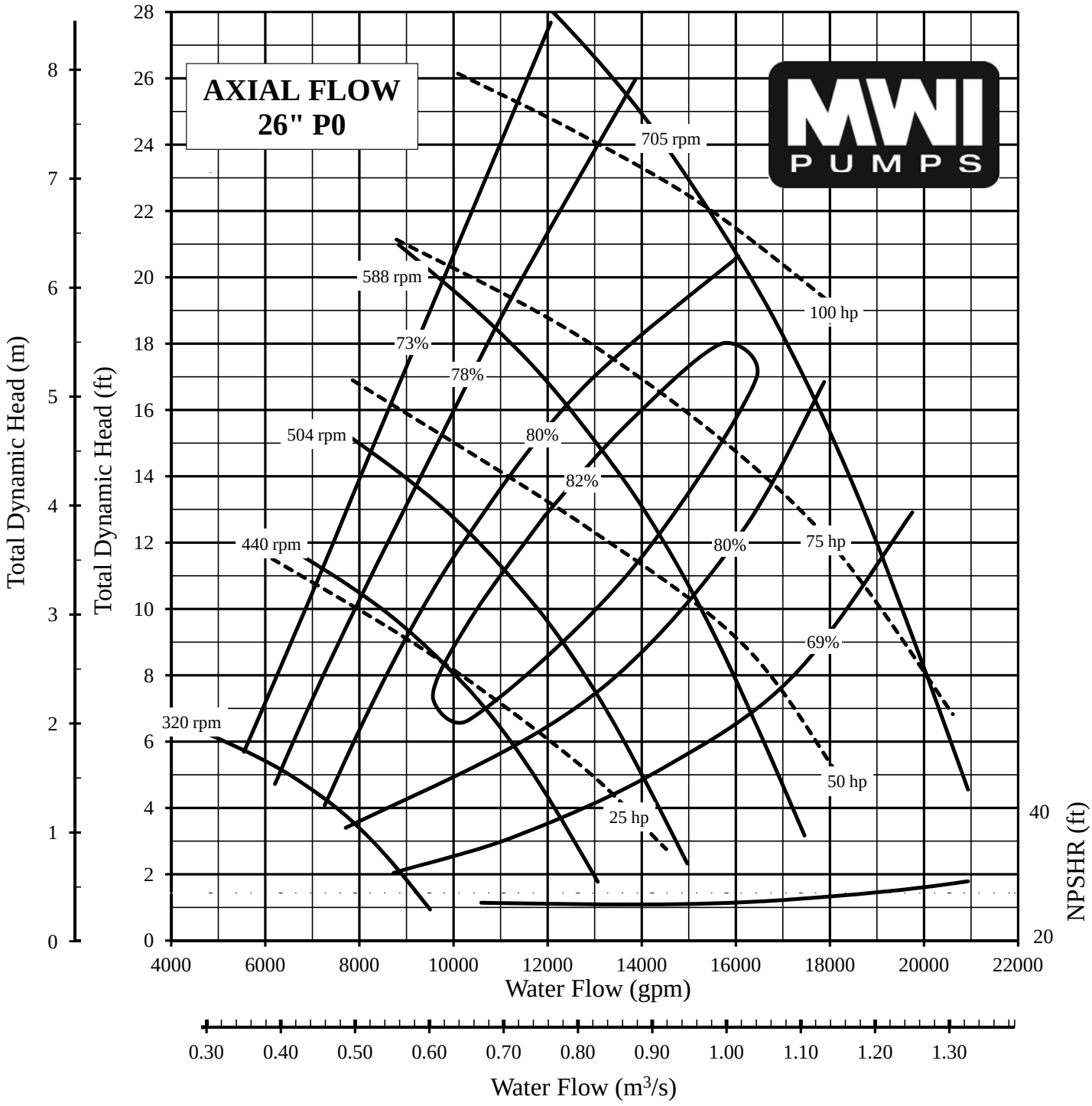

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 26"**
MODEL NO: NC326P0	**SPEED: As Noted**
INTAKE DIA: 39"	**DISCHARGE COLUMN DIA: 26"**
CURVE NO.: VS326P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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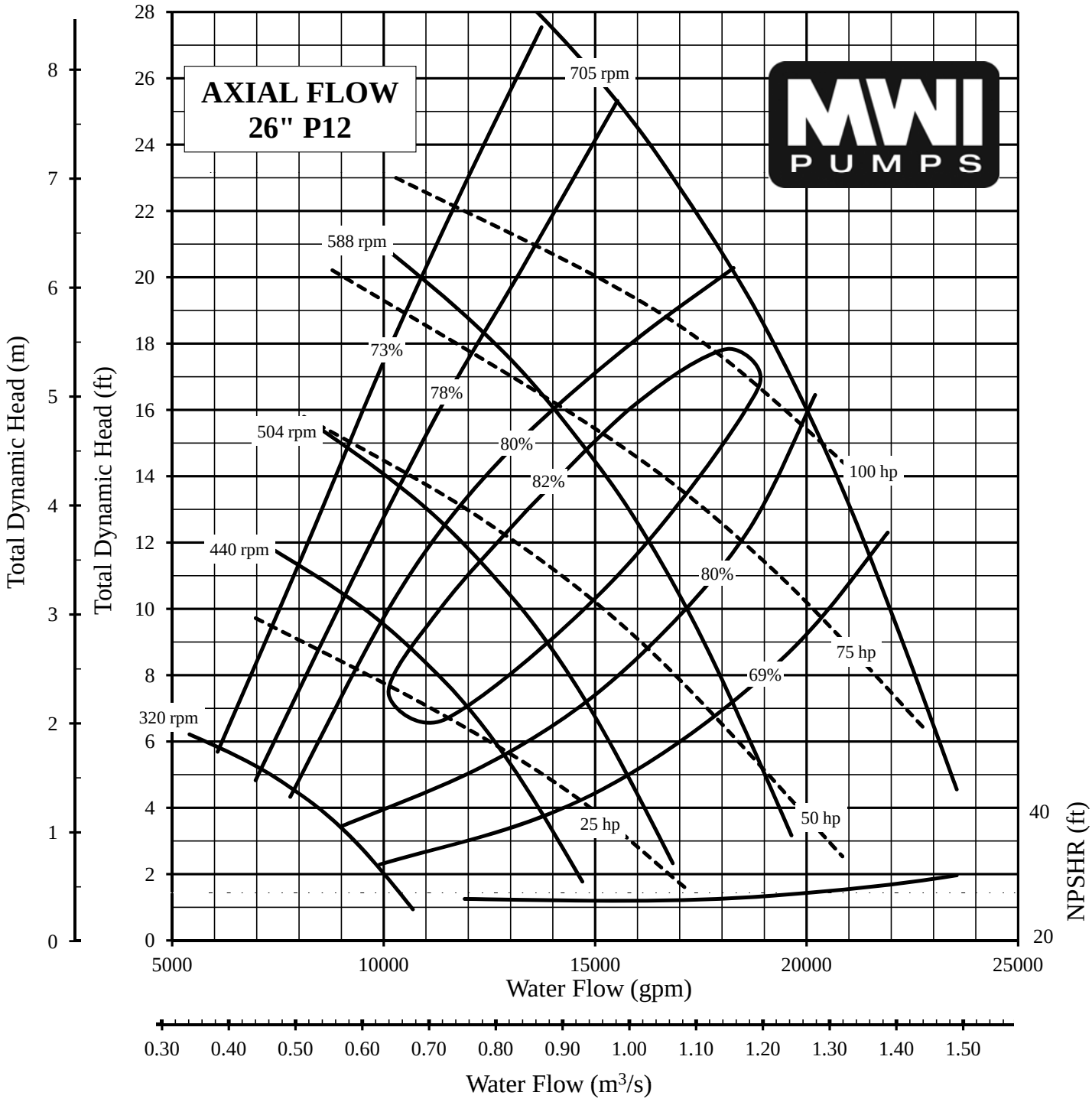

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 26"**
MODEL NO: NC326P12	**SPEED: As Noted**
INTAKE DIA: 39"	**DISCHARGE COLUMN DIA: 26"**
CURVE NO.: VS326P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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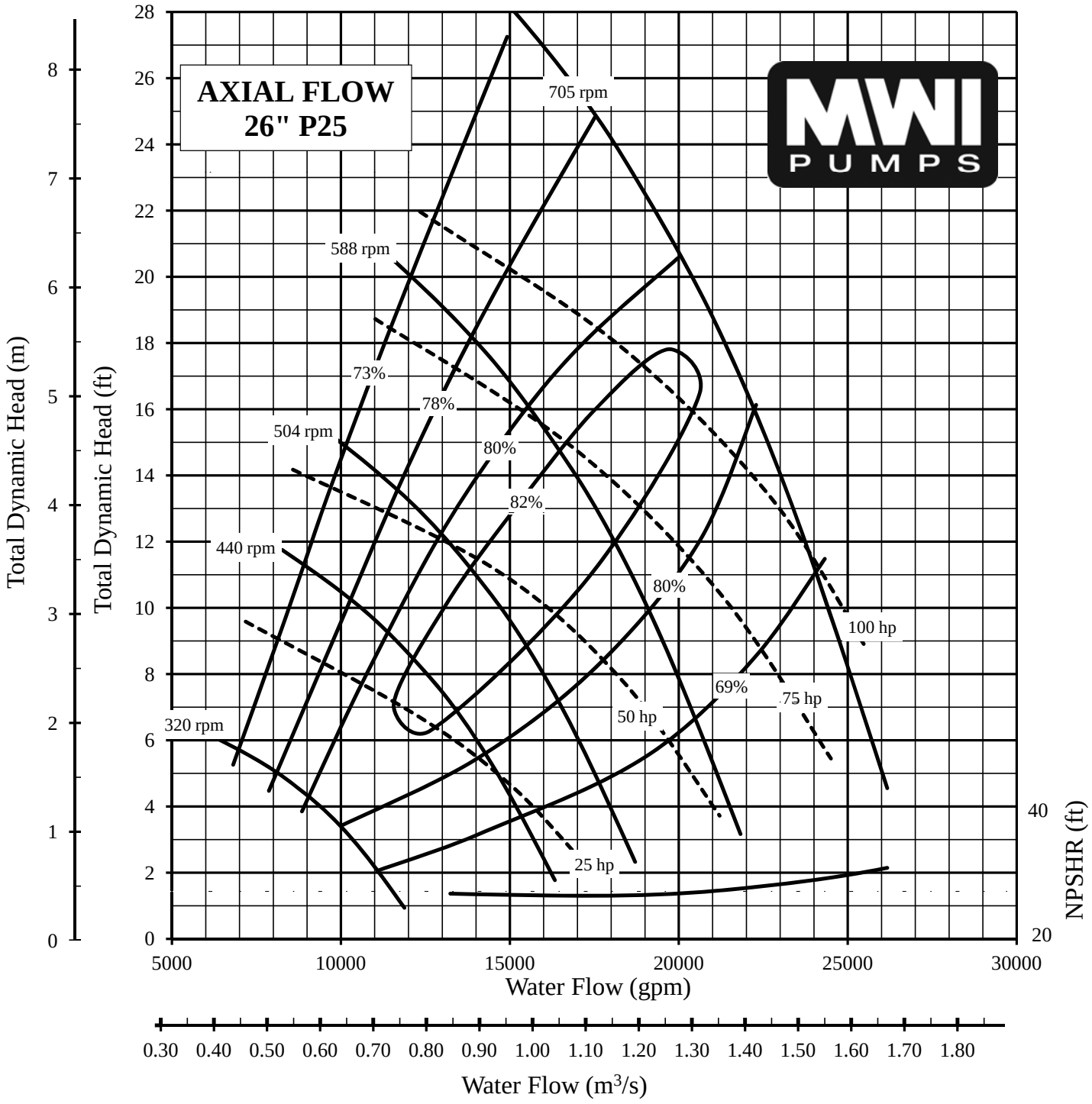

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 26"**
MODEL NO: NC326P25	**SPEED: As Noted**
INTAKE DIA: 39"	**DISCHARGE COLUMN DIA: 26"**
CURVE NO.: VS326P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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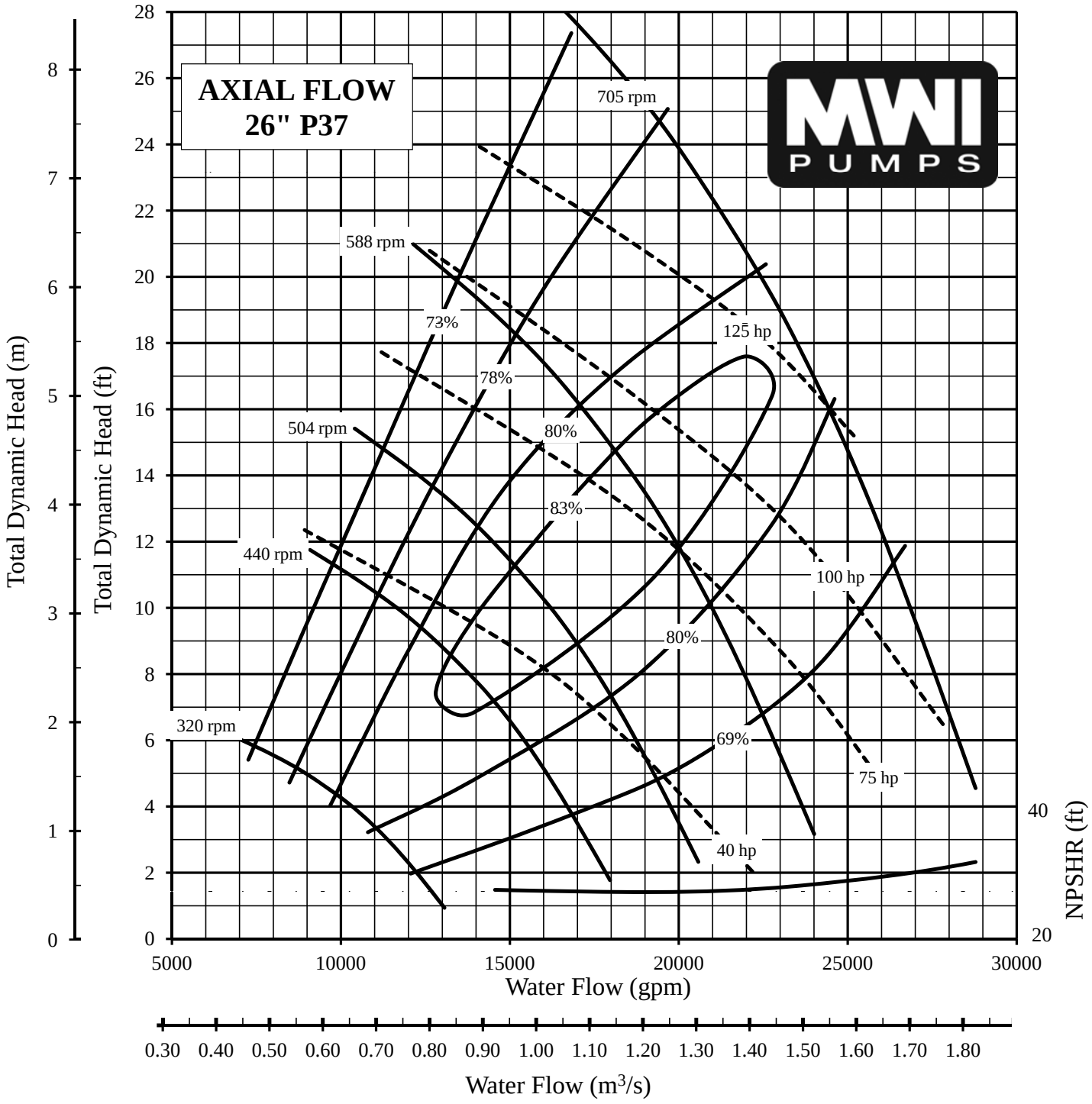

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 26"**
MODEL NO: NC326P37	**SPEED: As Noted**
INTAKE DIA: 39"	**DISCHARGE COLUMN DIA: 26"**
CURVE NO.: VS326P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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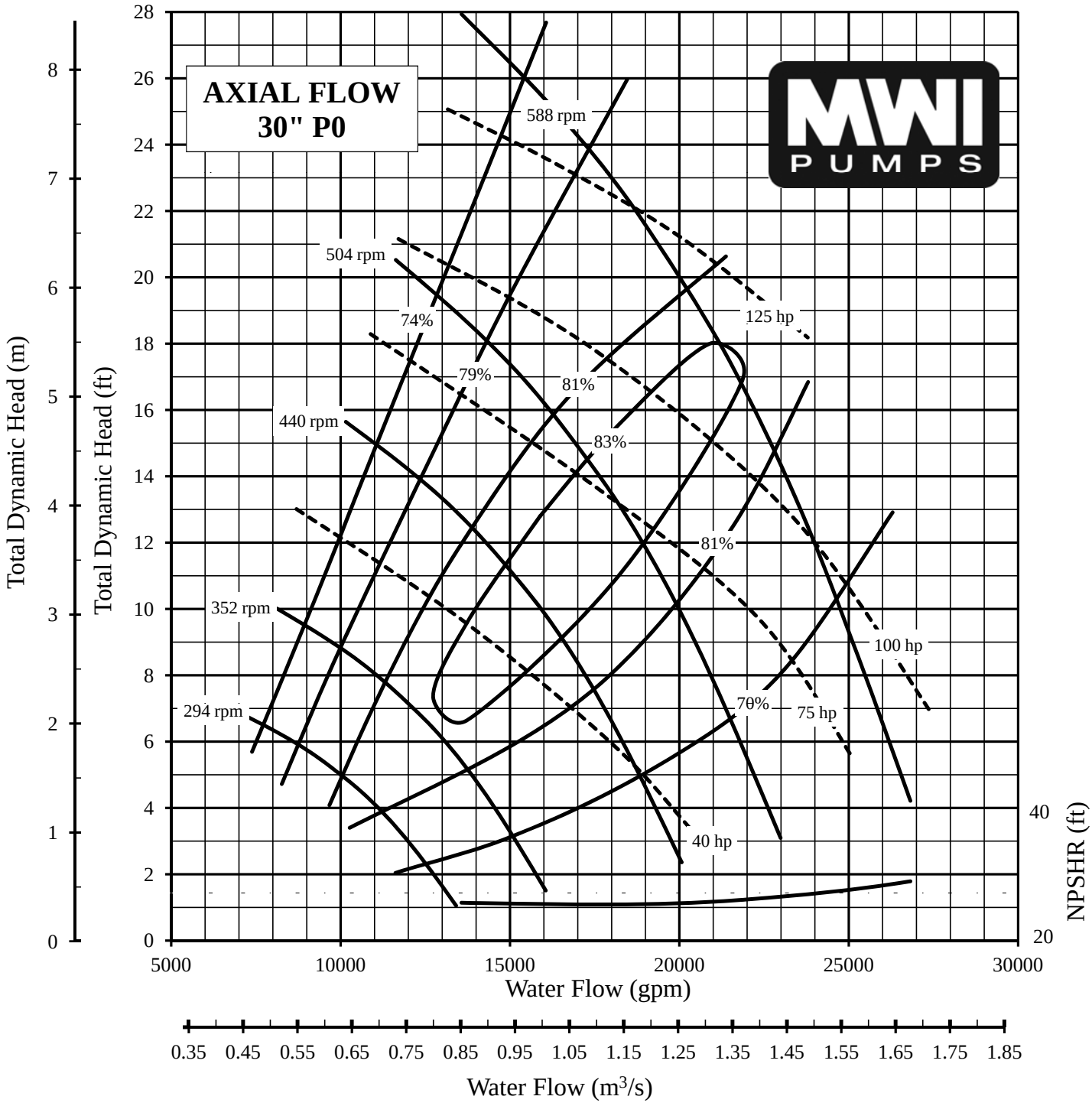

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 30"**
MODEL NO: NC330P0	**SPEED: As Noted**
INTAKE DIA: 45"	**DISCHARGE COLUMN DIA: 30"**
CURVE NO.: VS330P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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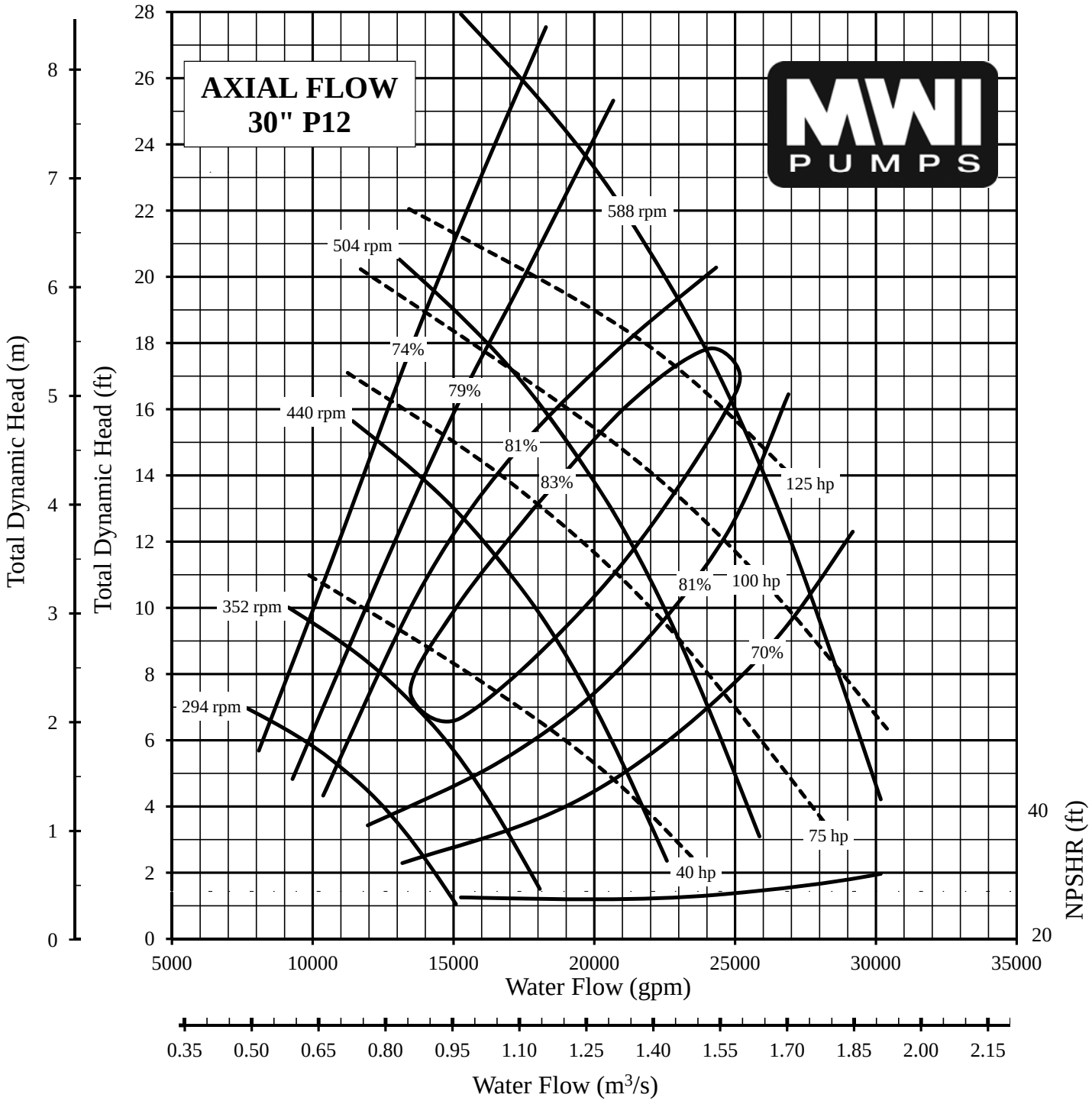

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 30"**
MODEL NO: NC330P12	**SPEED: As Noted**
INTAKE DIA: 45"	**DISCHARGE COLUMN DIA: 30"**
CURVE NO.: VS330P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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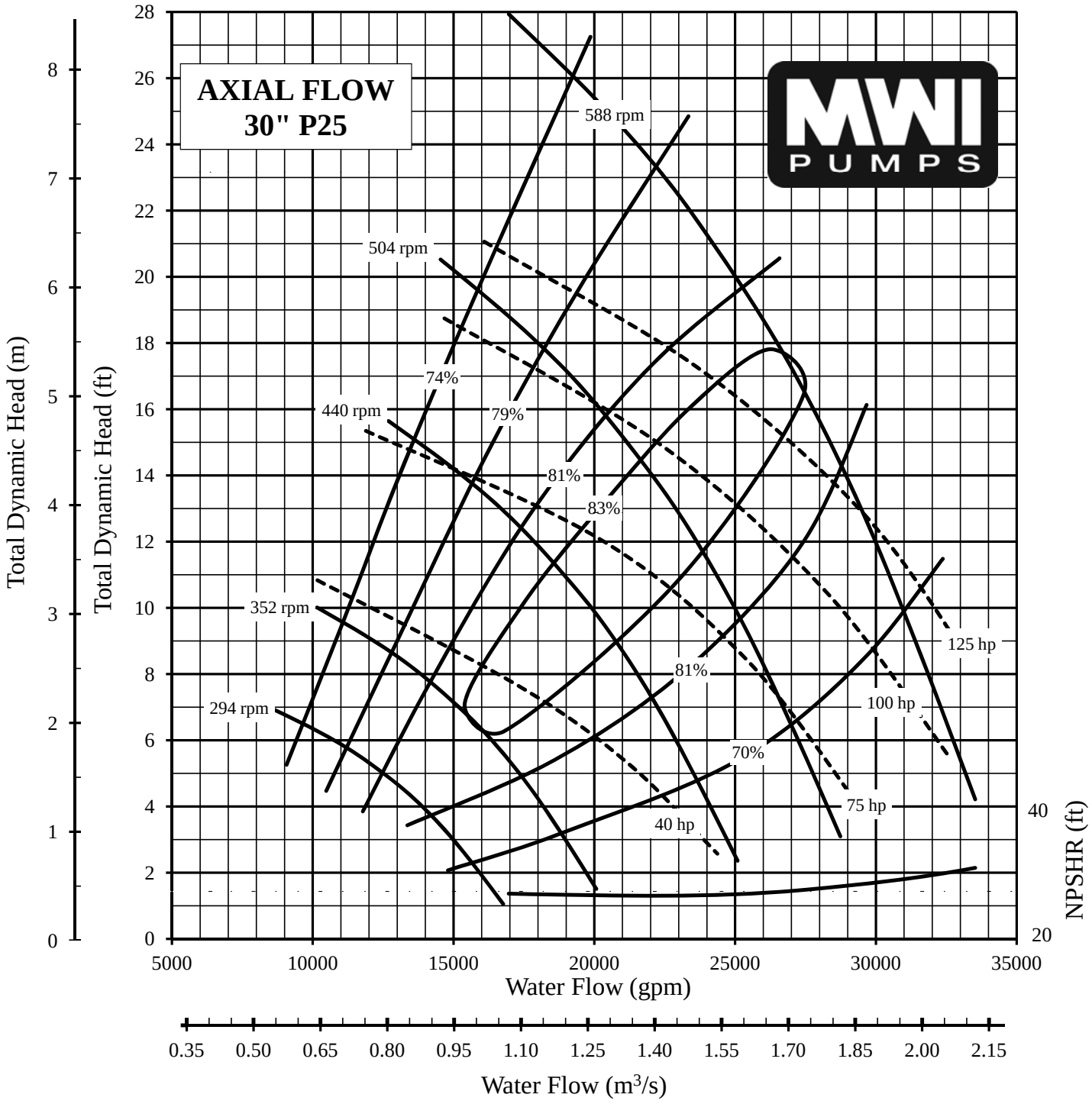

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 30"**
MODEL NO: NC330P25	**SPEED: As Noted**
INTAKE DIA: 45"	**DISCHARGE COLUMN DIA: 30"**
CURVE NO.: VS330P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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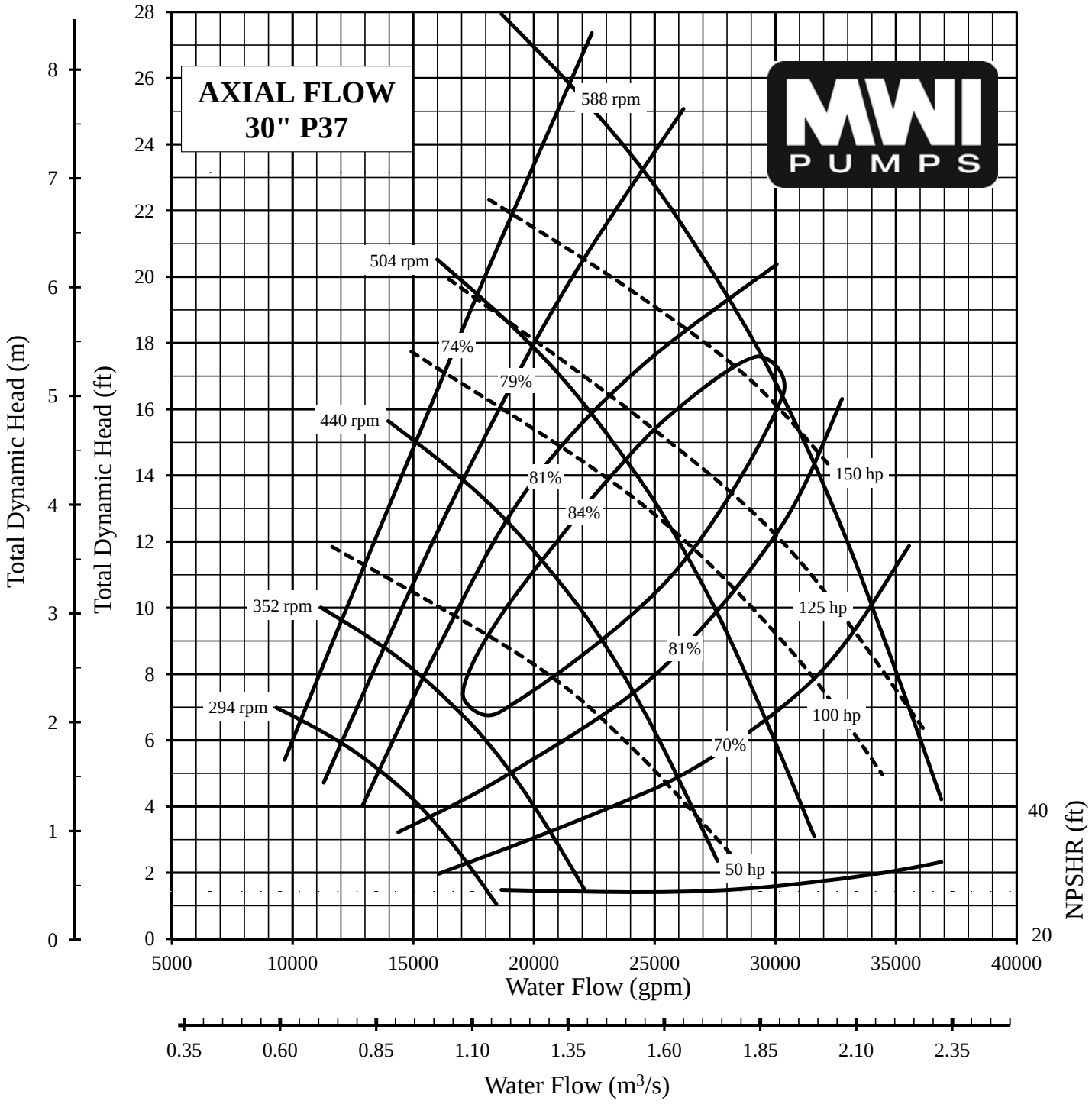

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 30"**
MODEL NO: NC330P37	**SPEED: As Noted**
INTAKE DIA: 45"	**DISCHARGE COLUMN DIA: 30"**
CURVE NO.: VS330P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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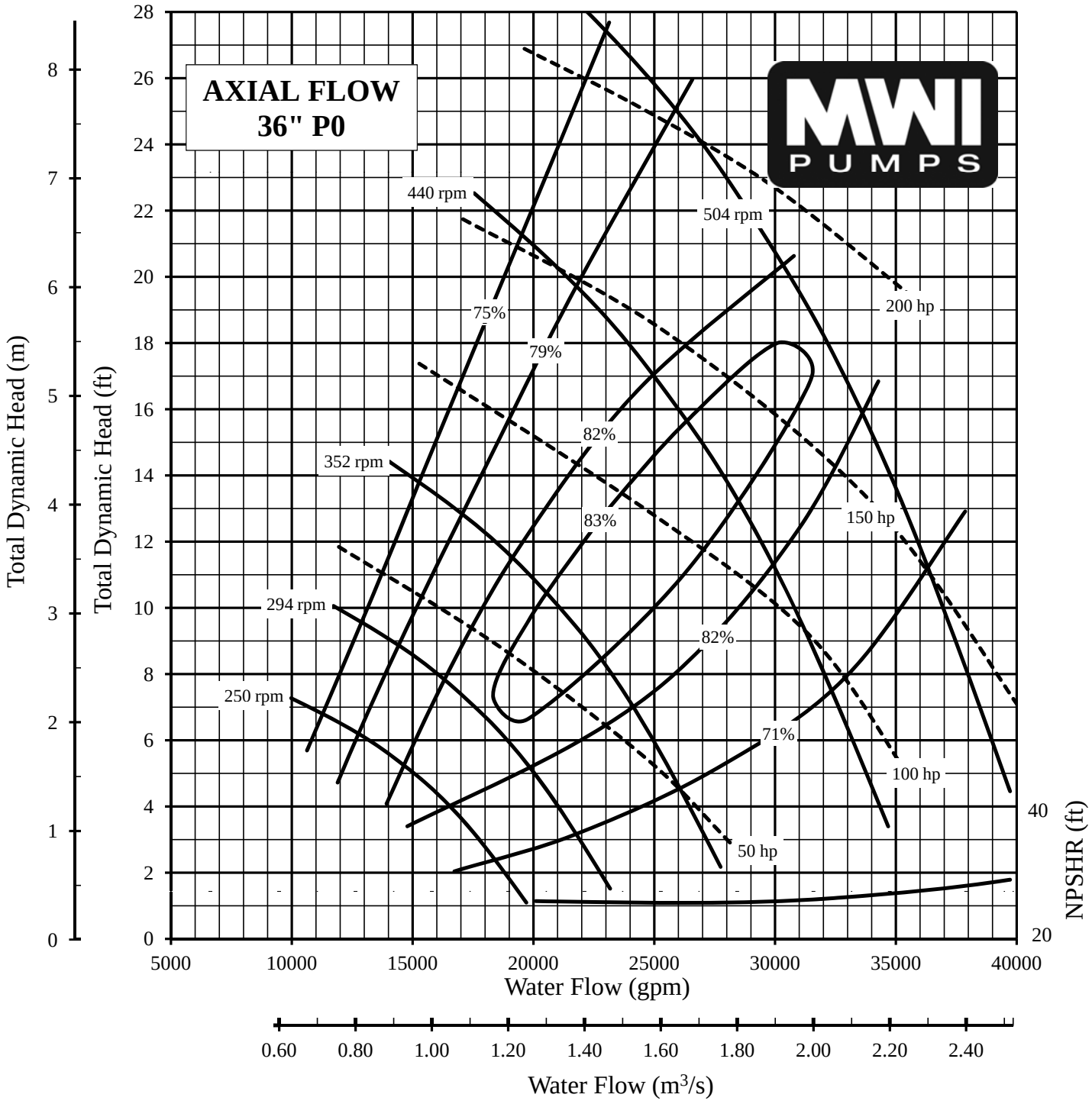

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 36"**
MODEL NO: NC336P0	**SPEED: As Noted**
INTAKE DIA: 54"	**DISCHARGE COLUMN DIA: 36"**
CURVE NO.: VS336P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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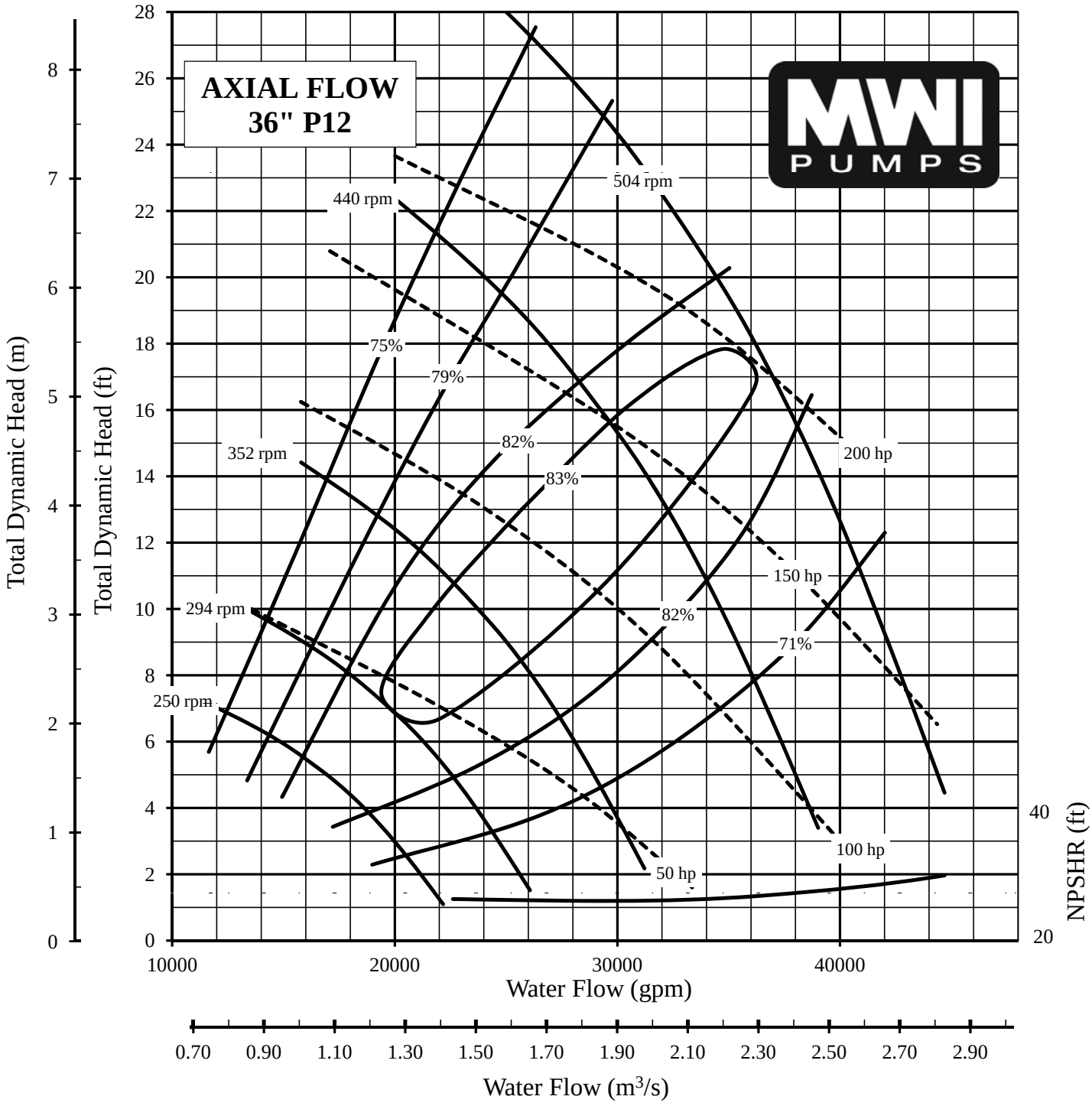

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 36"**
MODEL NO: NC336P12	**SPEED: As Noted**
INTAKE DIA: 54"	**DISCHARGE COLUMN DIA: 36"**
CURVE NO.: VS336P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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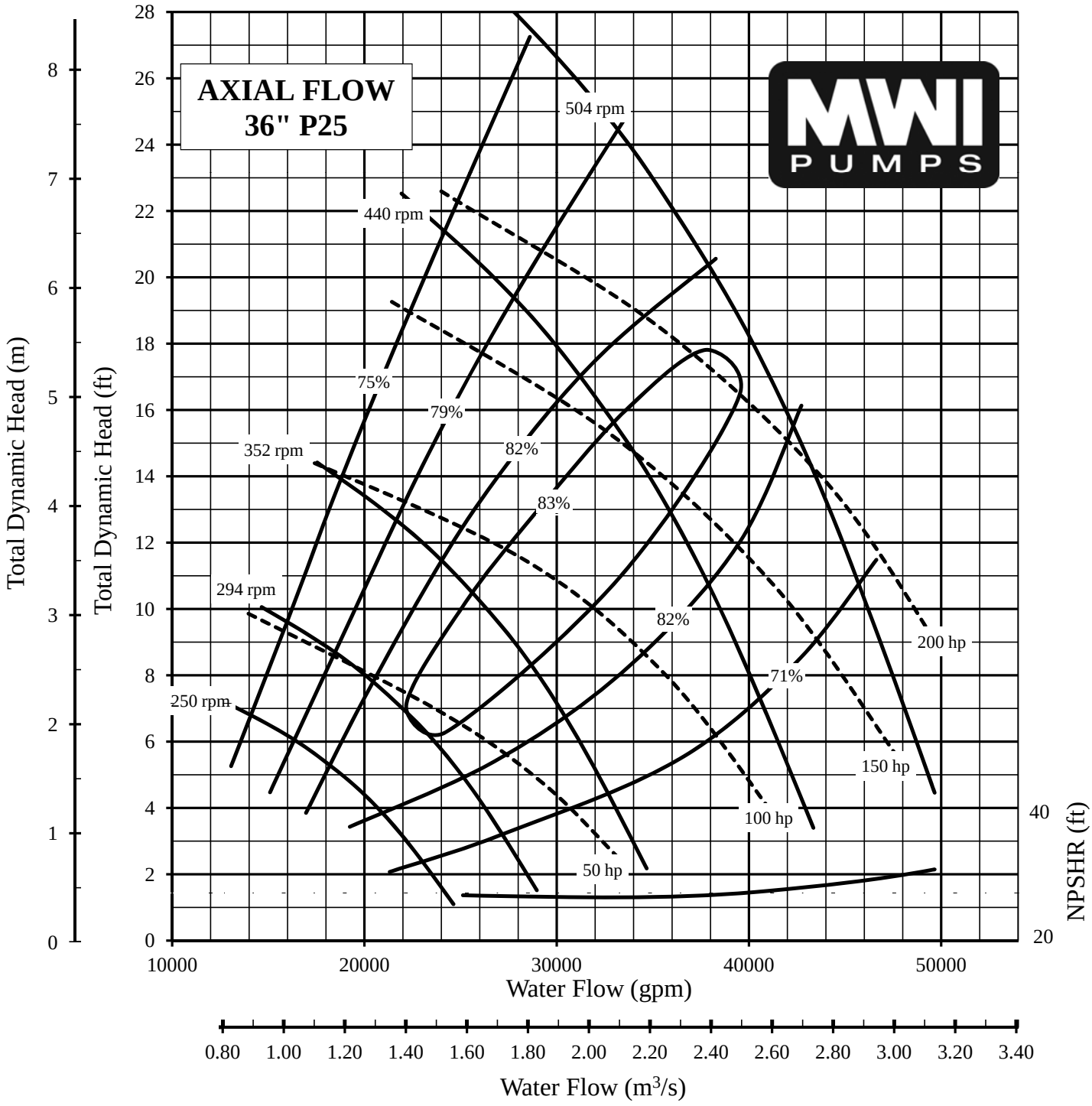

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 36"**
MODEL NO: NC336P25	**SPEED: As Noted**
INTAKE DIA: 54"	**DISCHARGE COLUMN DIA: 36"**
CURVE NO.: VS336P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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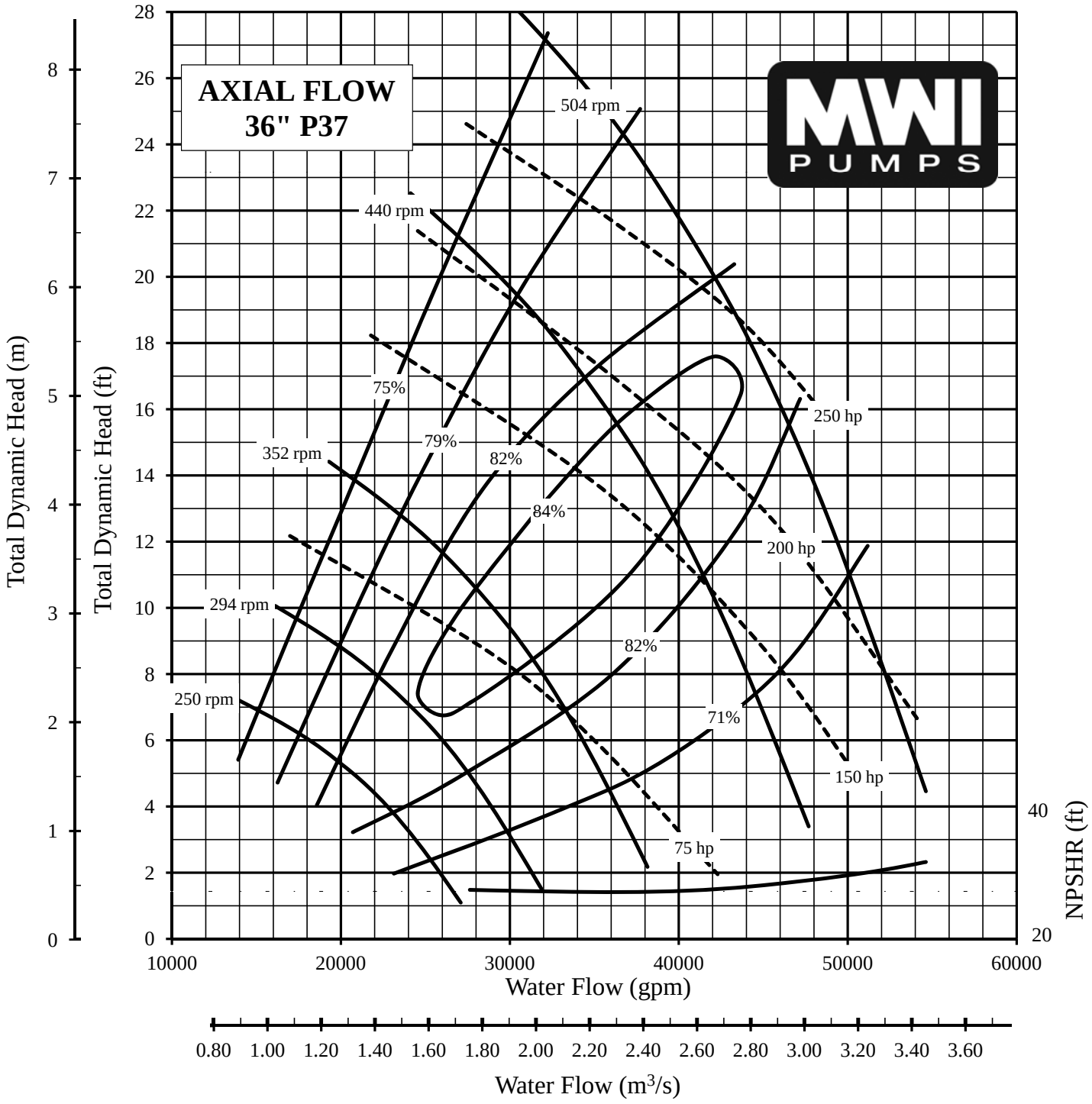

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 36"**
MODEL NO: NC336P37	**SPEED: As Noted**
INTAKE DIA: 54"	**DISCHARGE COLUMN DIA: 36"**
CURVE NO.: VS336P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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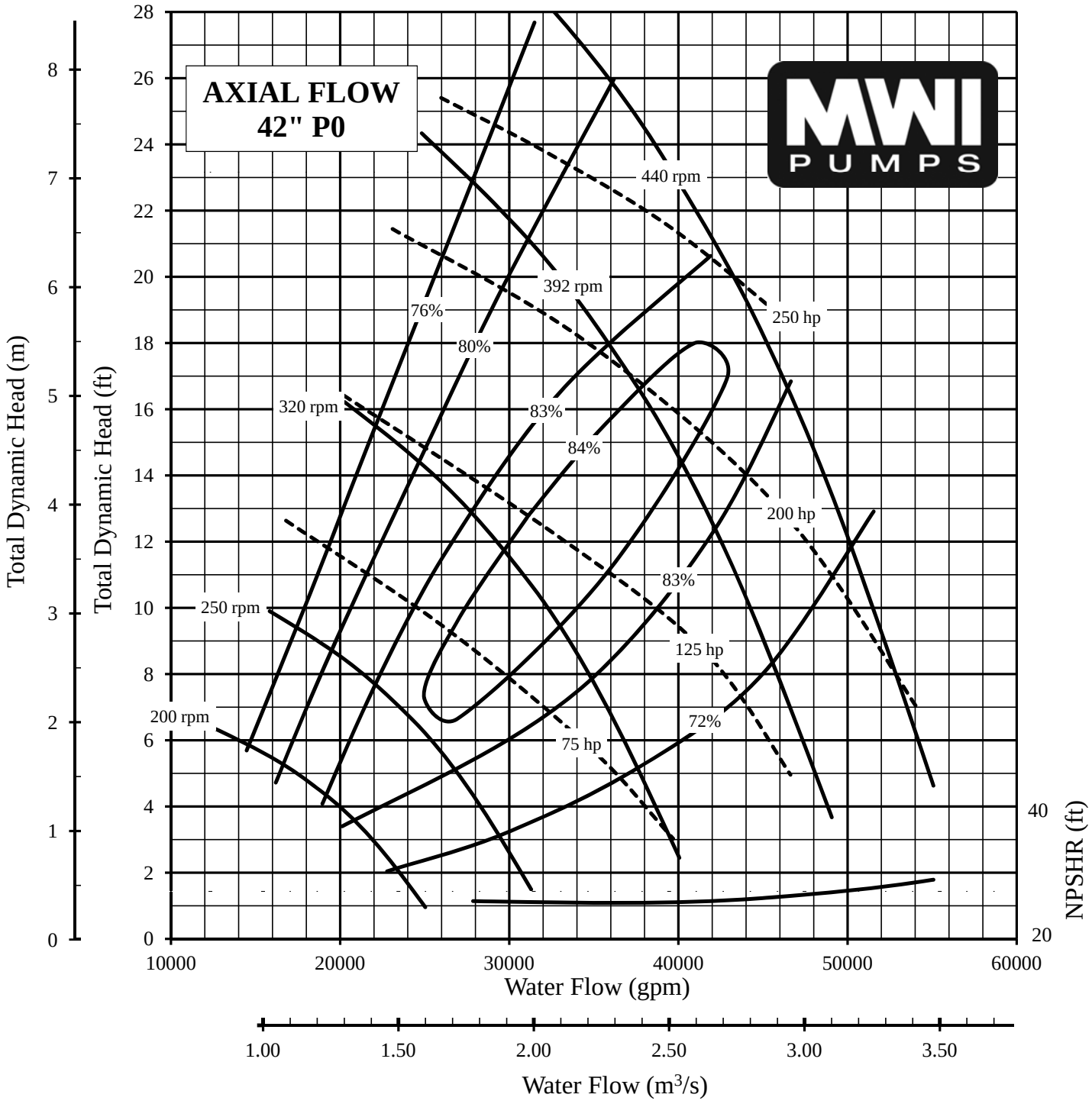

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 42"**
MODEL NO: NC342P0	**SPEED: As Noted**
INTAKE DIA: 63"	**DISCHARGE COLUMN DIA: 42"**
CURVE NO.: VS342P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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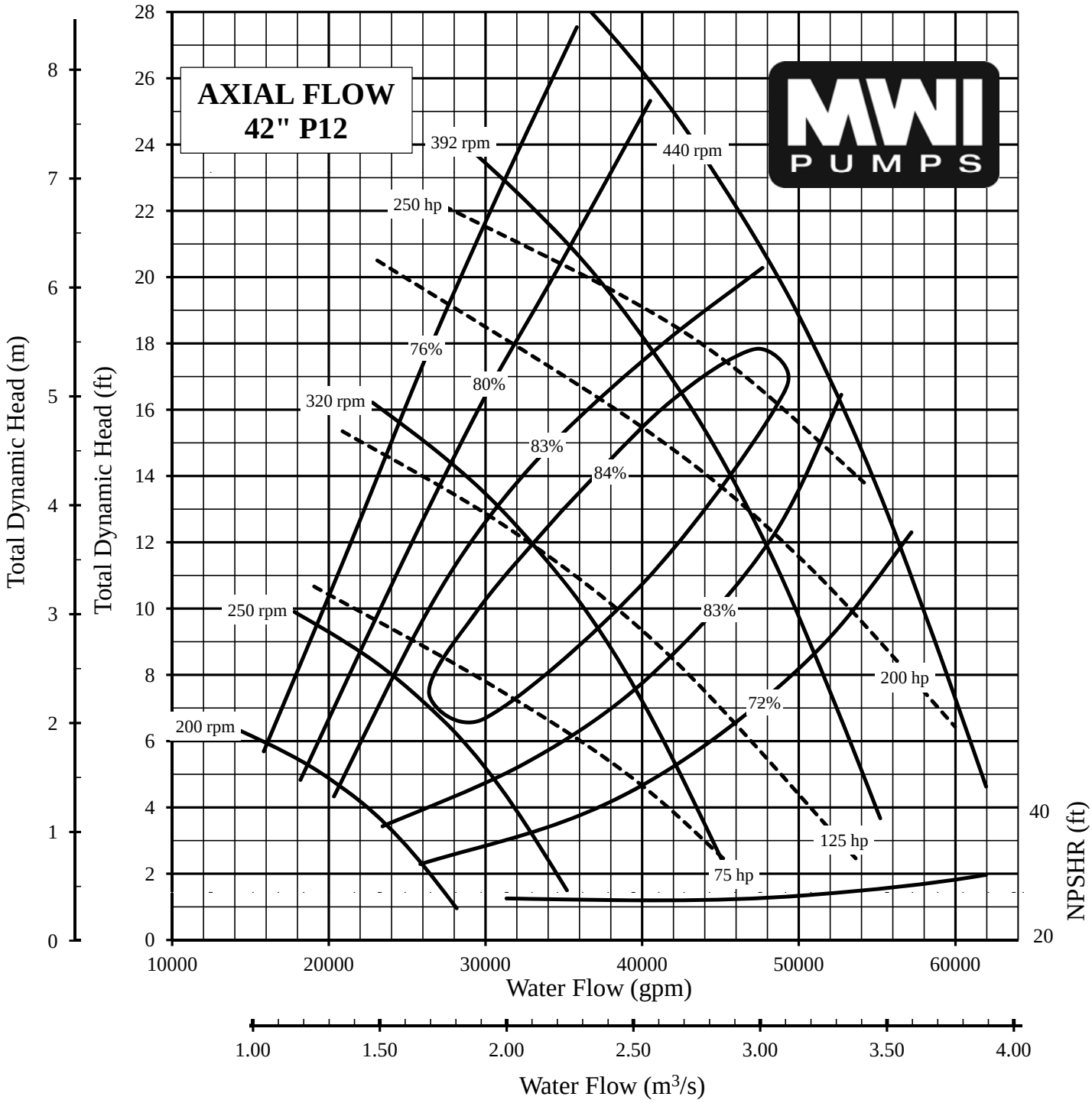

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 42"**
MODEL NO: NC342P12	**SPEED: As Noted**
INTAKE DIA: 63"	**DISCHARGE COLUMN DIA: 42"**
CURVE NO.: VS342P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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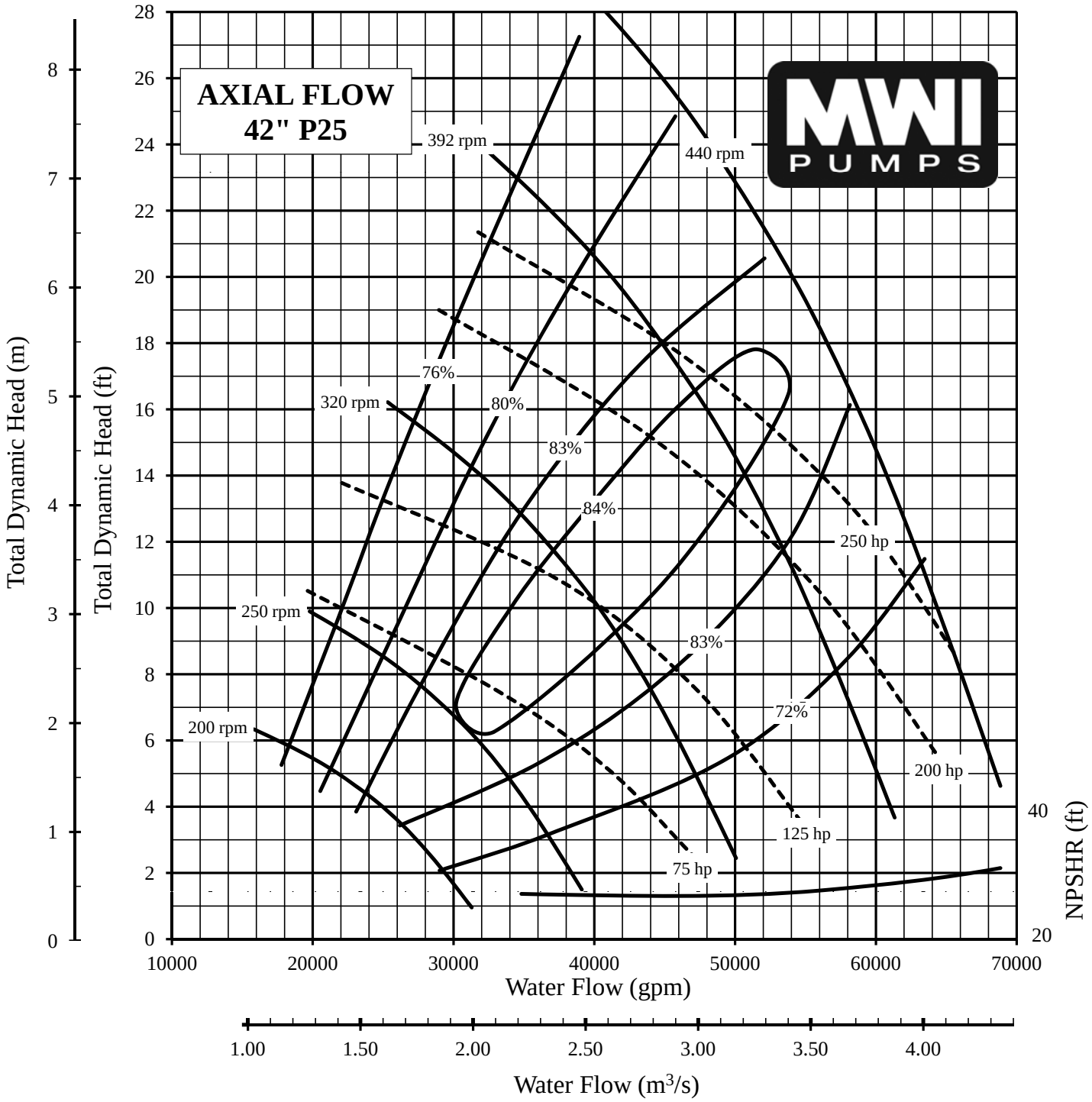

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 42"**
MODEL NO: NC342P25	**SPEED: As Noted**
INTAKE DIA: 63"	**DISCHARGE COLUMN DIA: 42"**
CURVE NO.: VS342P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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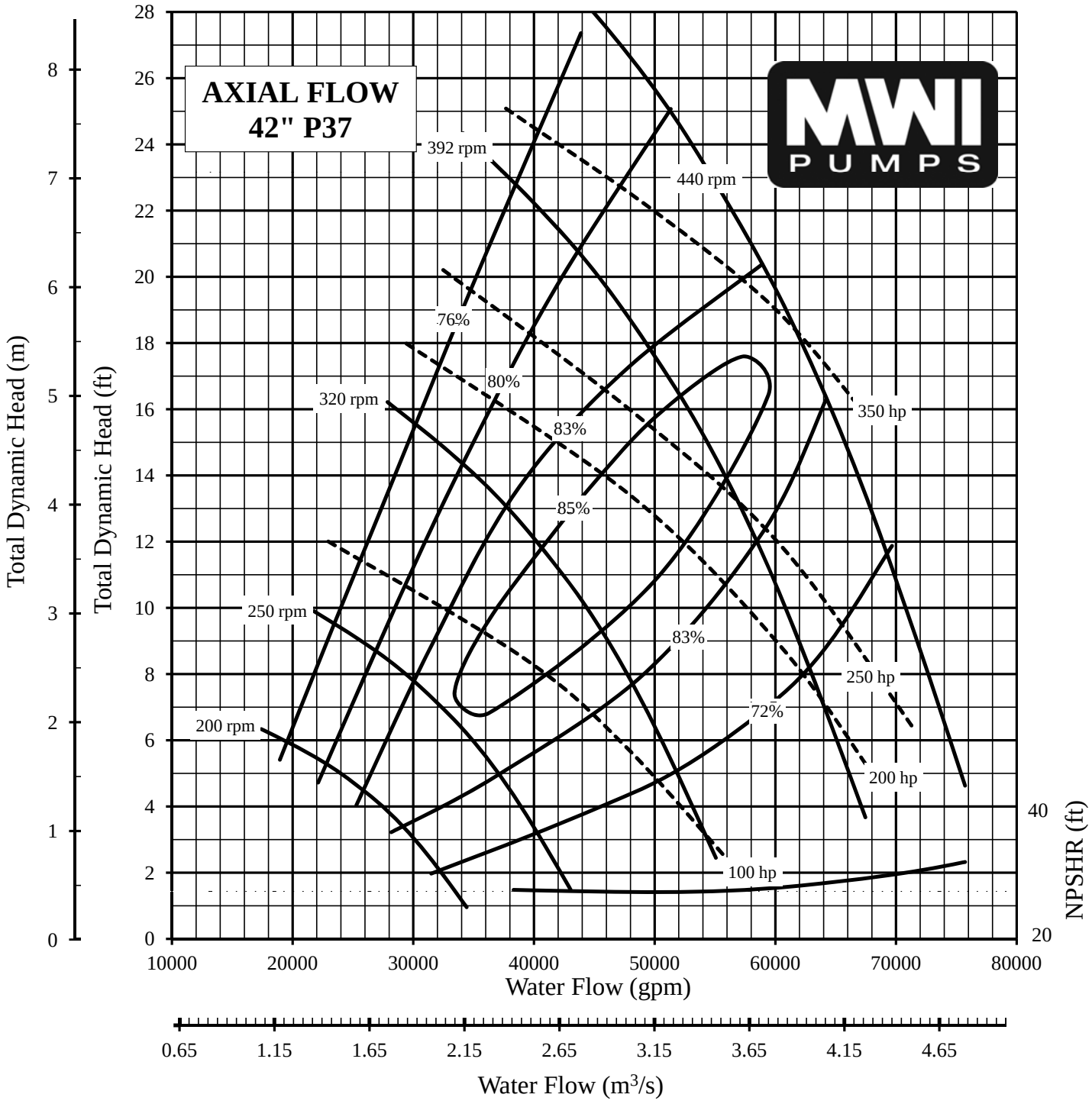

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 42"**
MODEL NO: NC342P37	**SPEED: As Noted**
INTAKE DIA: 63"	**DISCHARGE COLUMN DIA: 42"**
CURVE NO.: VS342P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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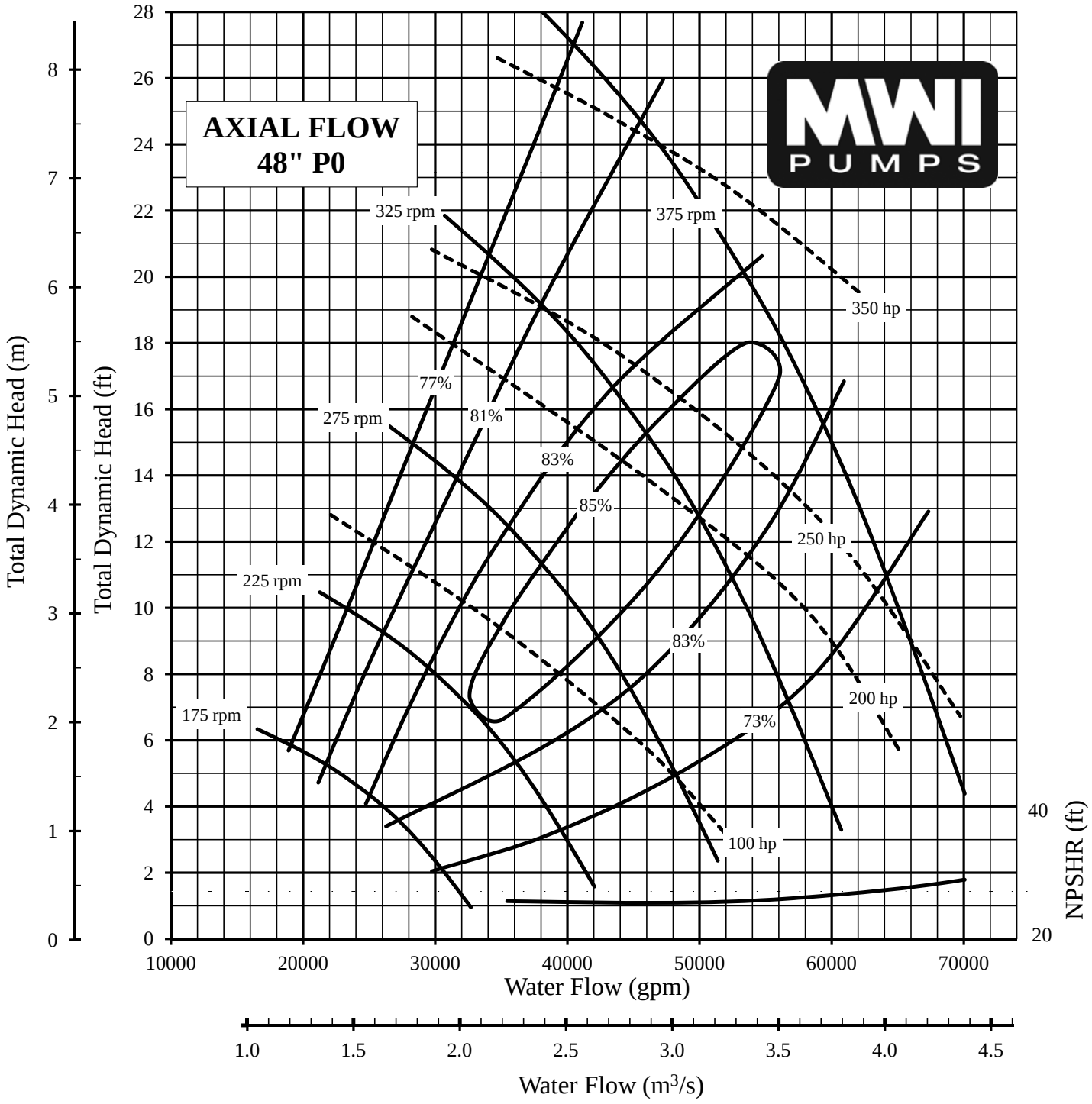

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 48"**
MODEL NO: NC348P0	**SPEED: As Noted**
INTAKE DIA: 72"	**DISCHARGE COLUMN DIA: 48"**
CURVE NO.: VS348P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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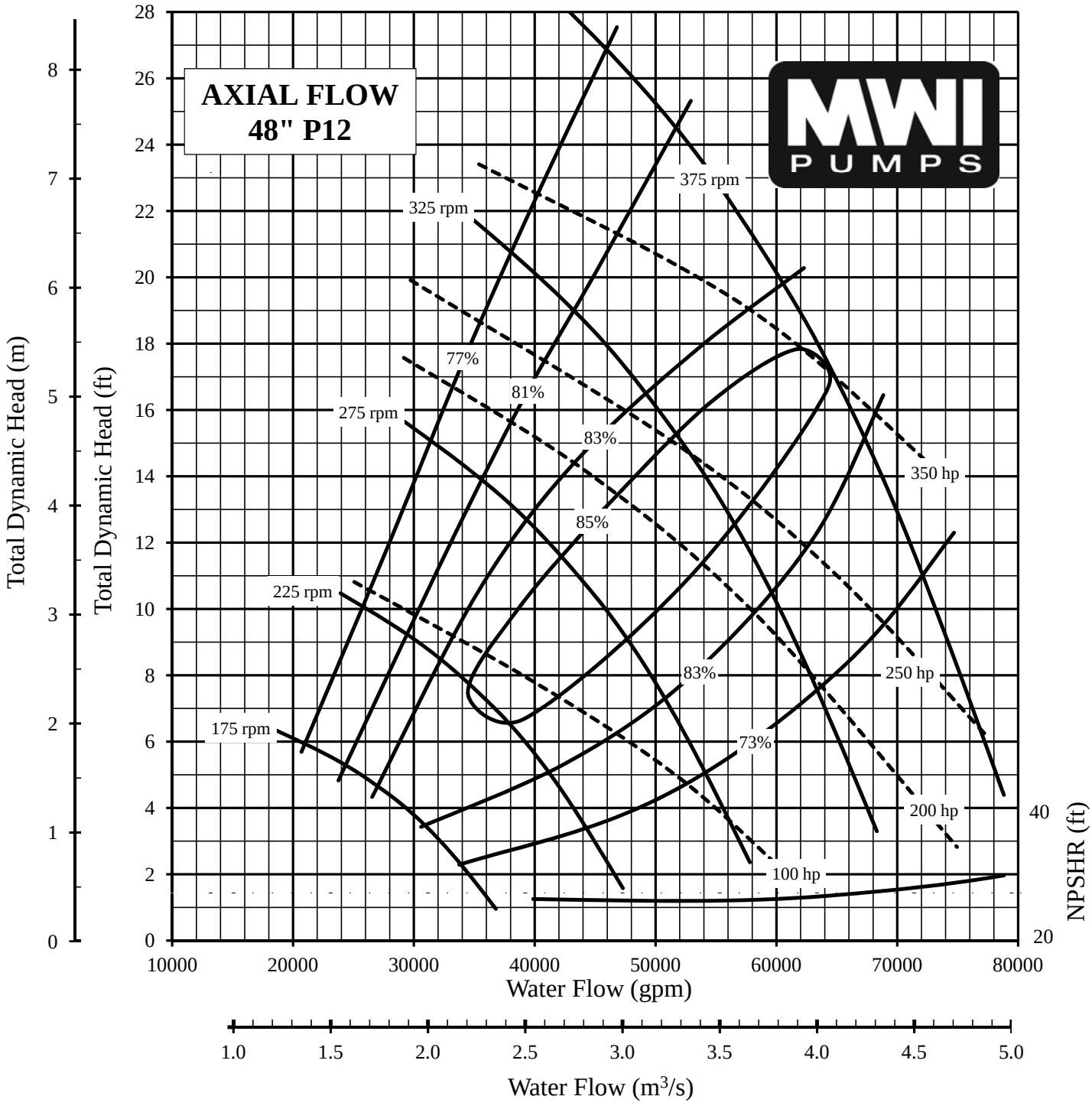

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 48"**
MODEL NO: NC348P12	**SPEED: As Noted**
INTAKE DIA: 72"	**DISCHARGE COLUMN DIA: 48"**
CURVE NO.: VS348P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

IT IS HEREBY CERTIFIED THAT THIS CURVE REPRESENTS THE TRUE PERFORMANCE CHARACTERISTICS OF THE MWI PUMP MODEL SHOWN AND WAS OBTAINED BY SCALE MODEL TEST AND CALCULATIONS IN ACORDANCE WITH STANDARDS OF THE HYDRAULIC INSTITUTE.

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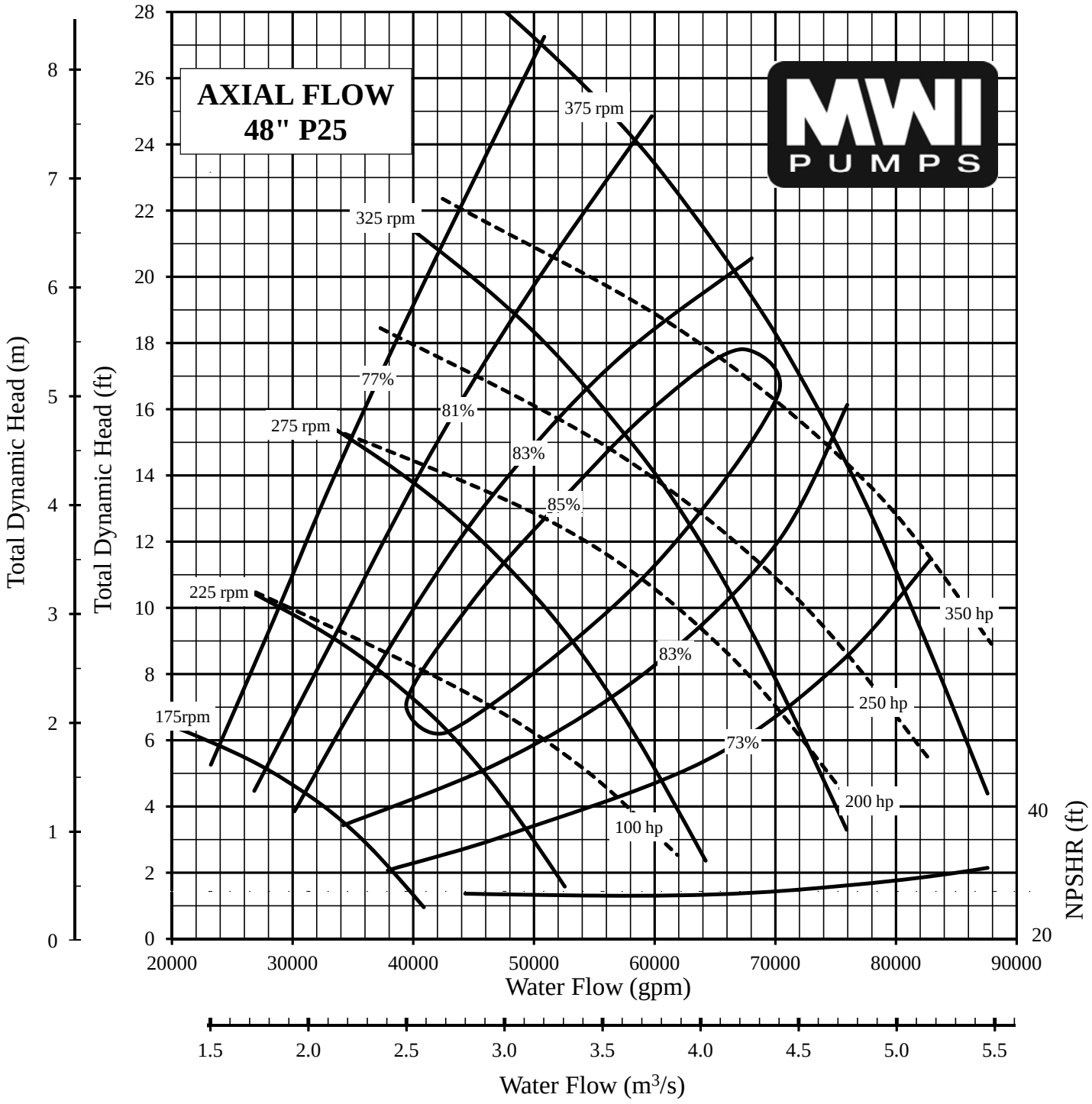

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 48"**
MODEL NO: NC348P25	**SPEED: As Noted**
INTAKE DIA: 72"	**DISCHARGE COLUMN DIA: 48"**
CURVE NO.: VS348P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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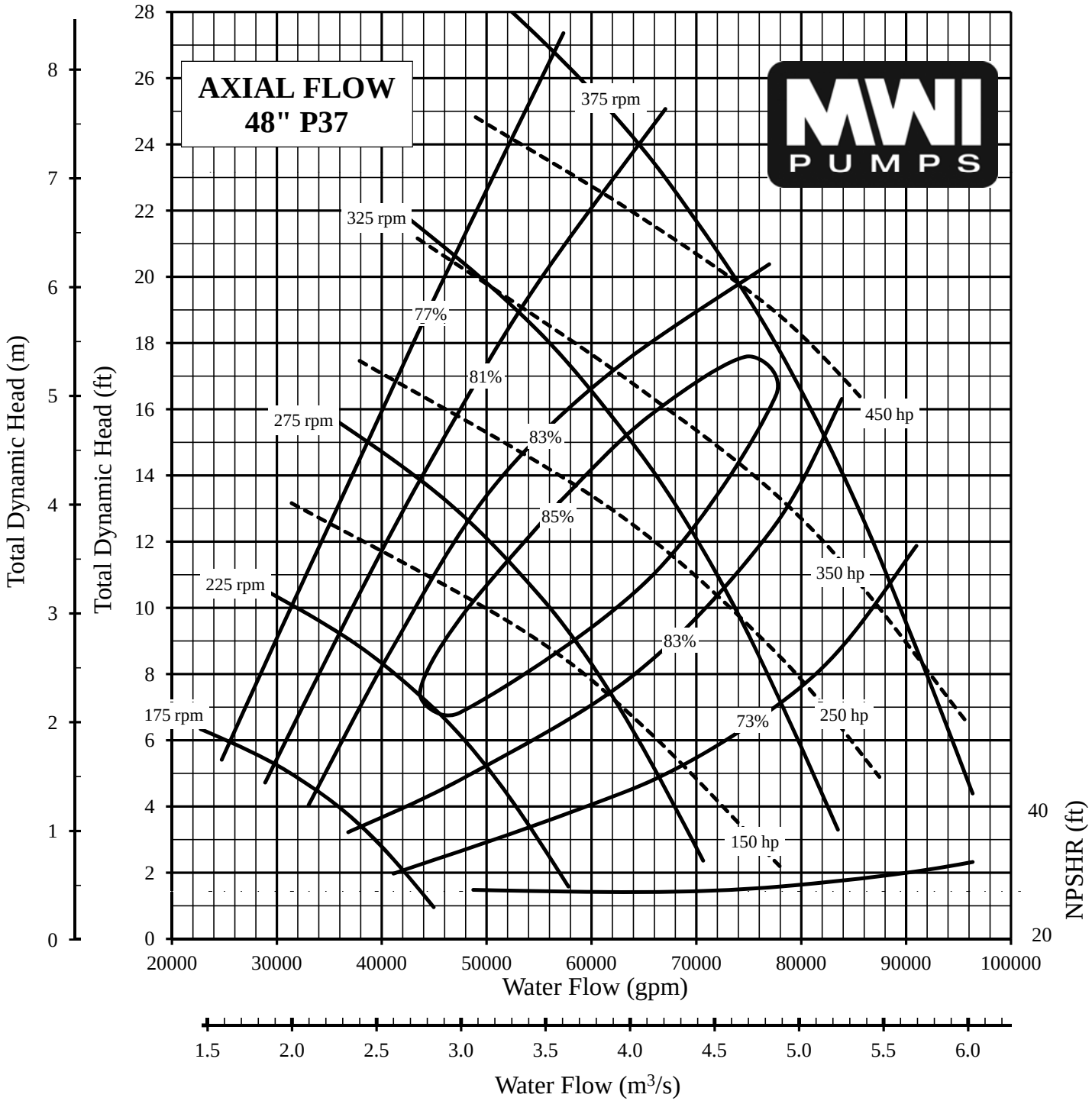

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 48"**
MODEL NO: NC348P37	**SPEED: As Noted**
INTAKE DIA: 72"	**DISCHARGE COLUMN DIA: 48"**
CURVE NO.: VS348P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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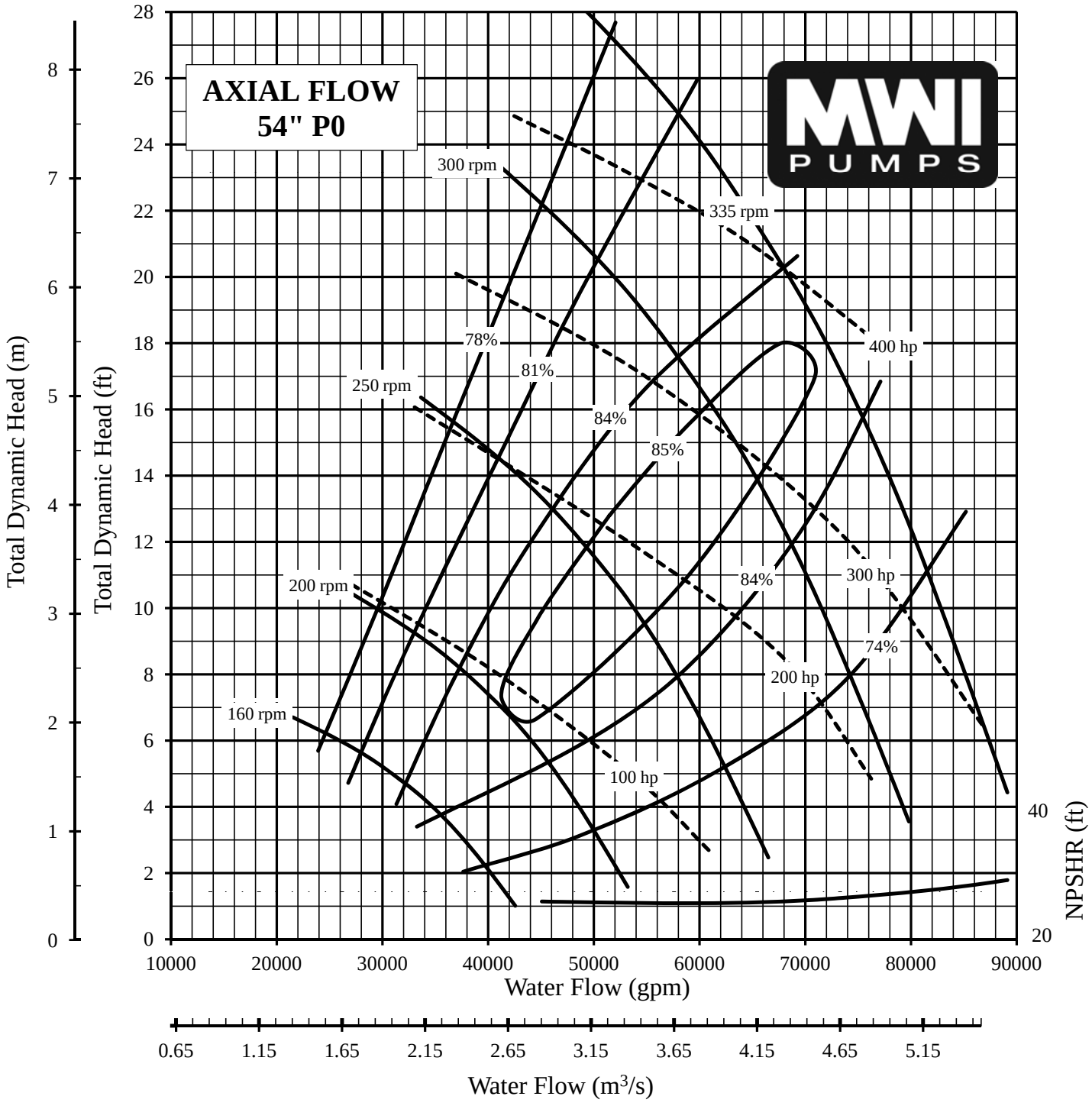

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 54"**
MODEL NO: NC354P0	**SPEED: As Noted**
INTAKE DIA: 81"	**DISCHARGE COLUMN DIA: 54"**
CURVE NO.: VS354P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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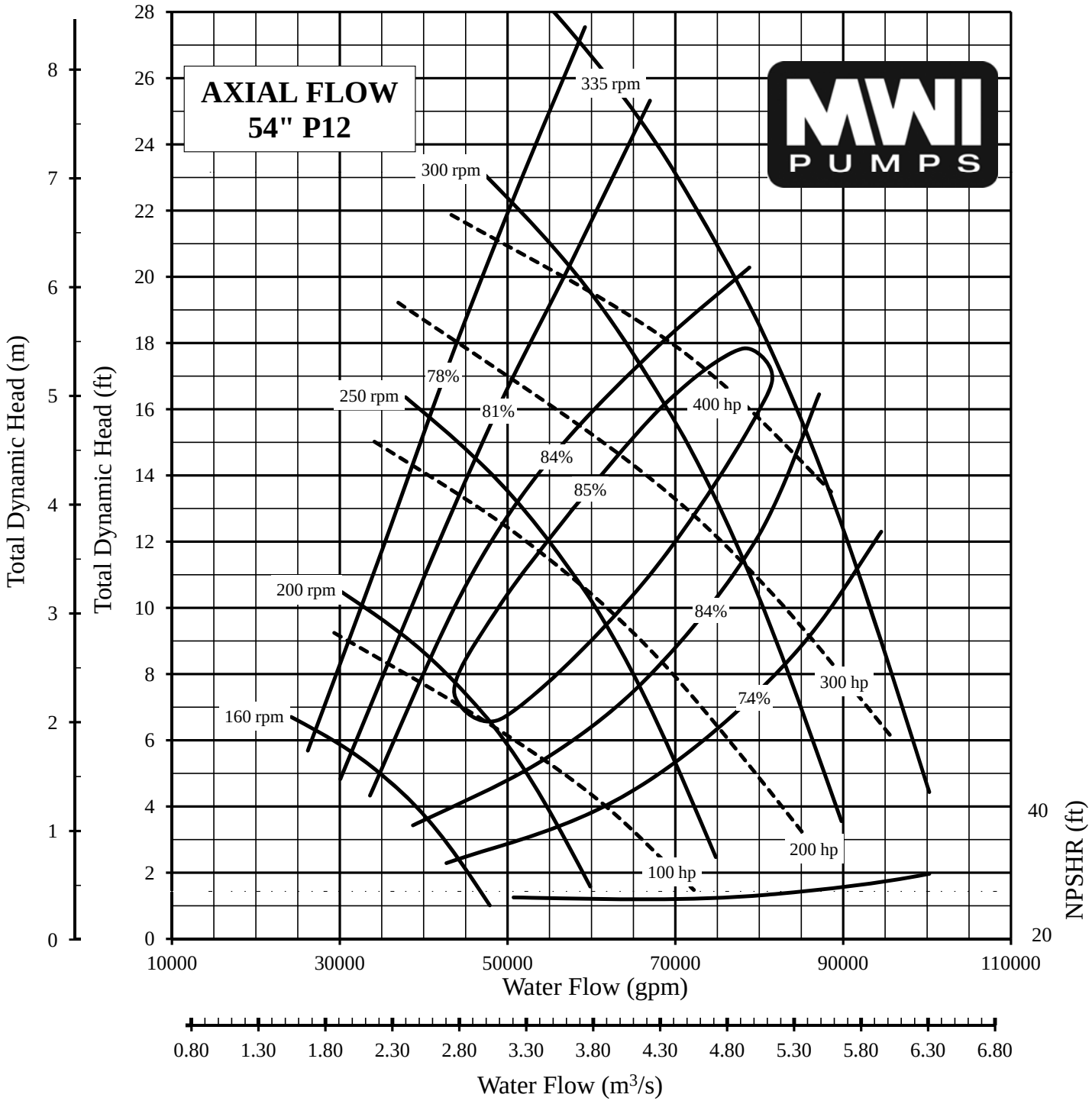

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 54"**
MODEL NO: NC354P12	**SPEED: As Noted**
INTAKE DIA: 81"	**DISCHARGE COLUMN DIA: 54"**
CURVE NO.: VS354P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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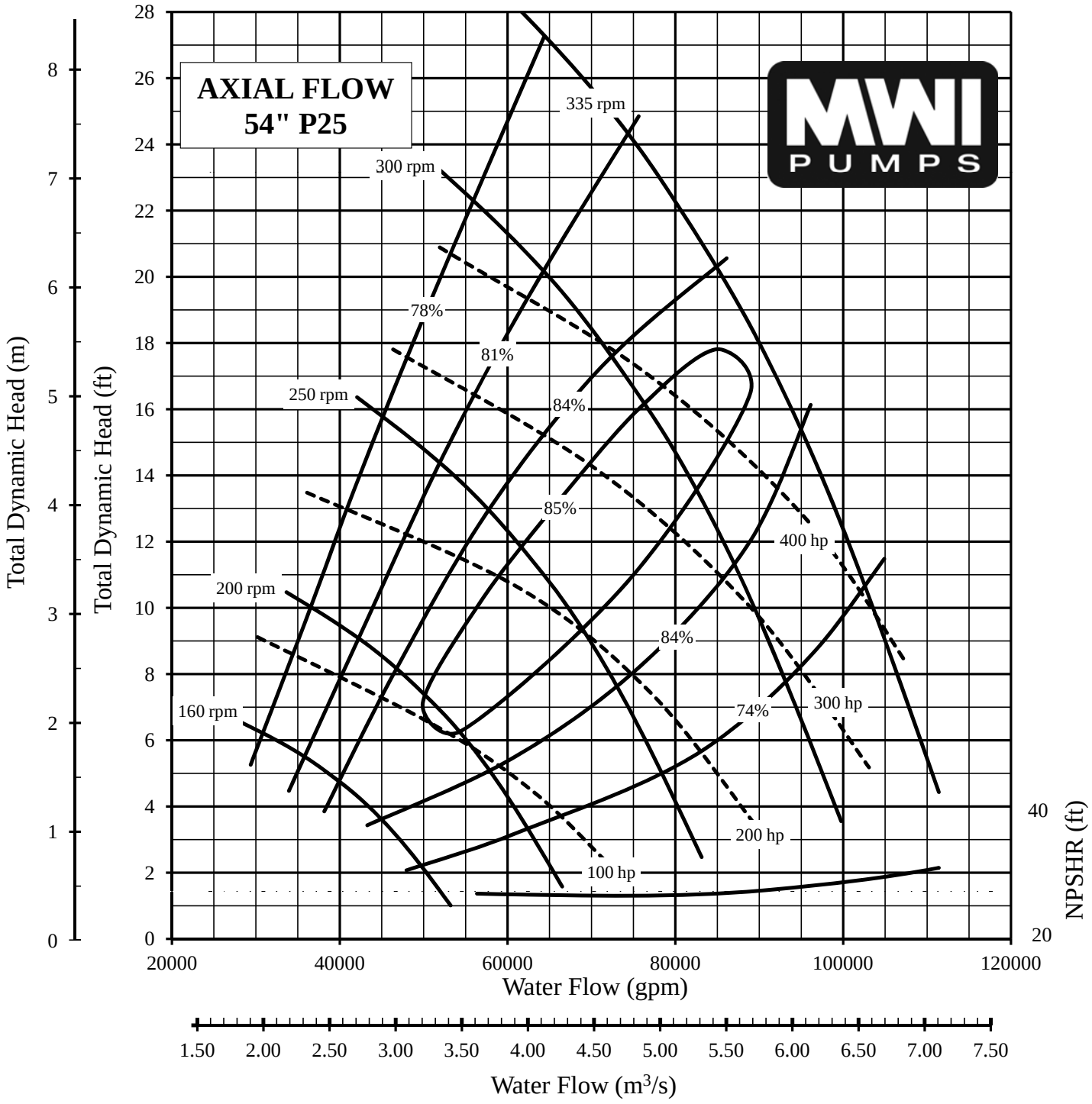

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 54"**
MODEL NO: NC354P25	**SPEED: As Noted**
INTAKE DIA: 81"	**DISCHARGE COLUMN DIA: 54"**
CURVE NO.: VS354P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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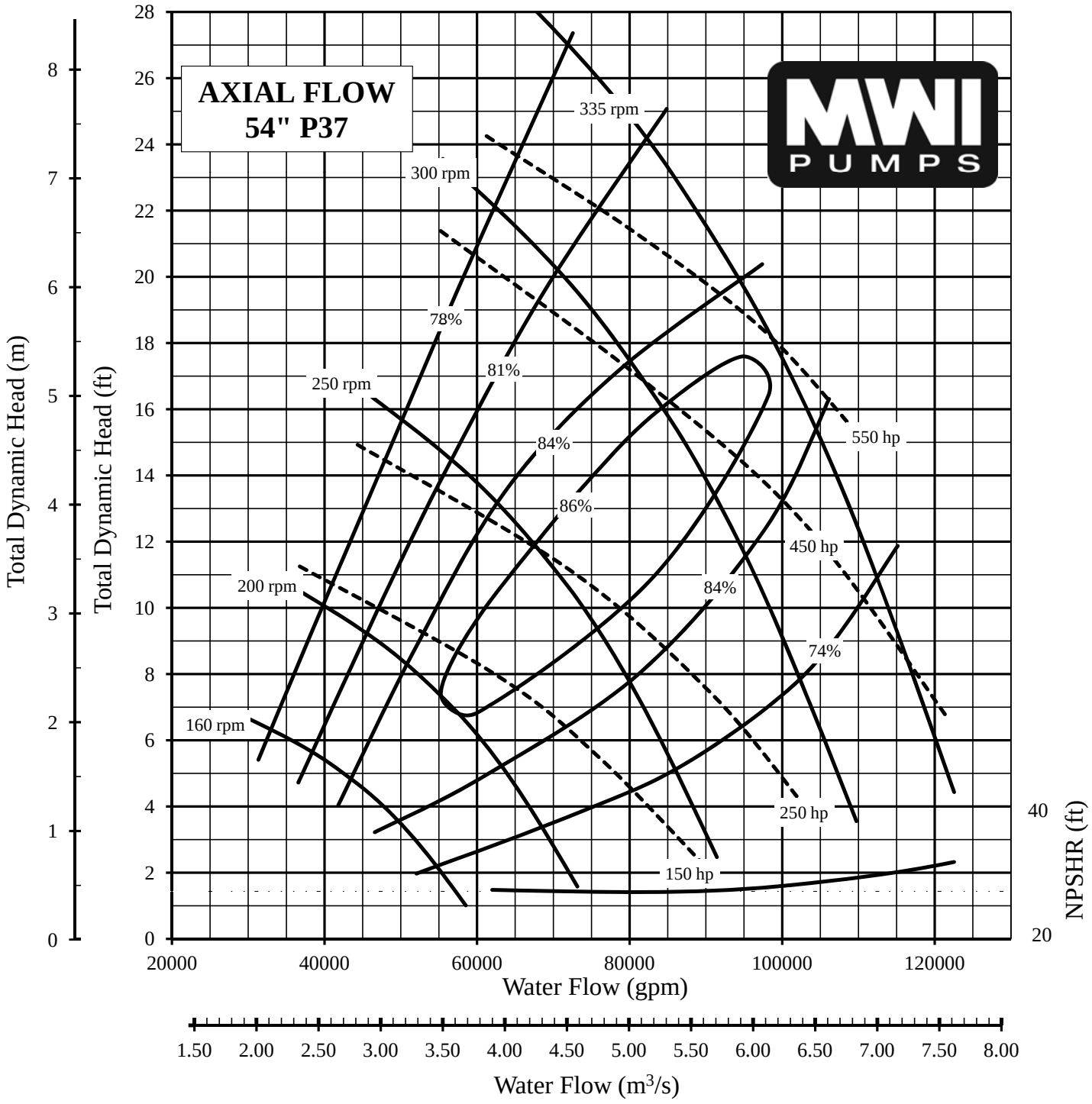

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 54"**
MODEL NO: NC354P37	**SPEED: As Noted**
INTAKE DIA: 81"	**DISCHARGE COLUMN DIA: 54"**
CURVE NO.: VS354P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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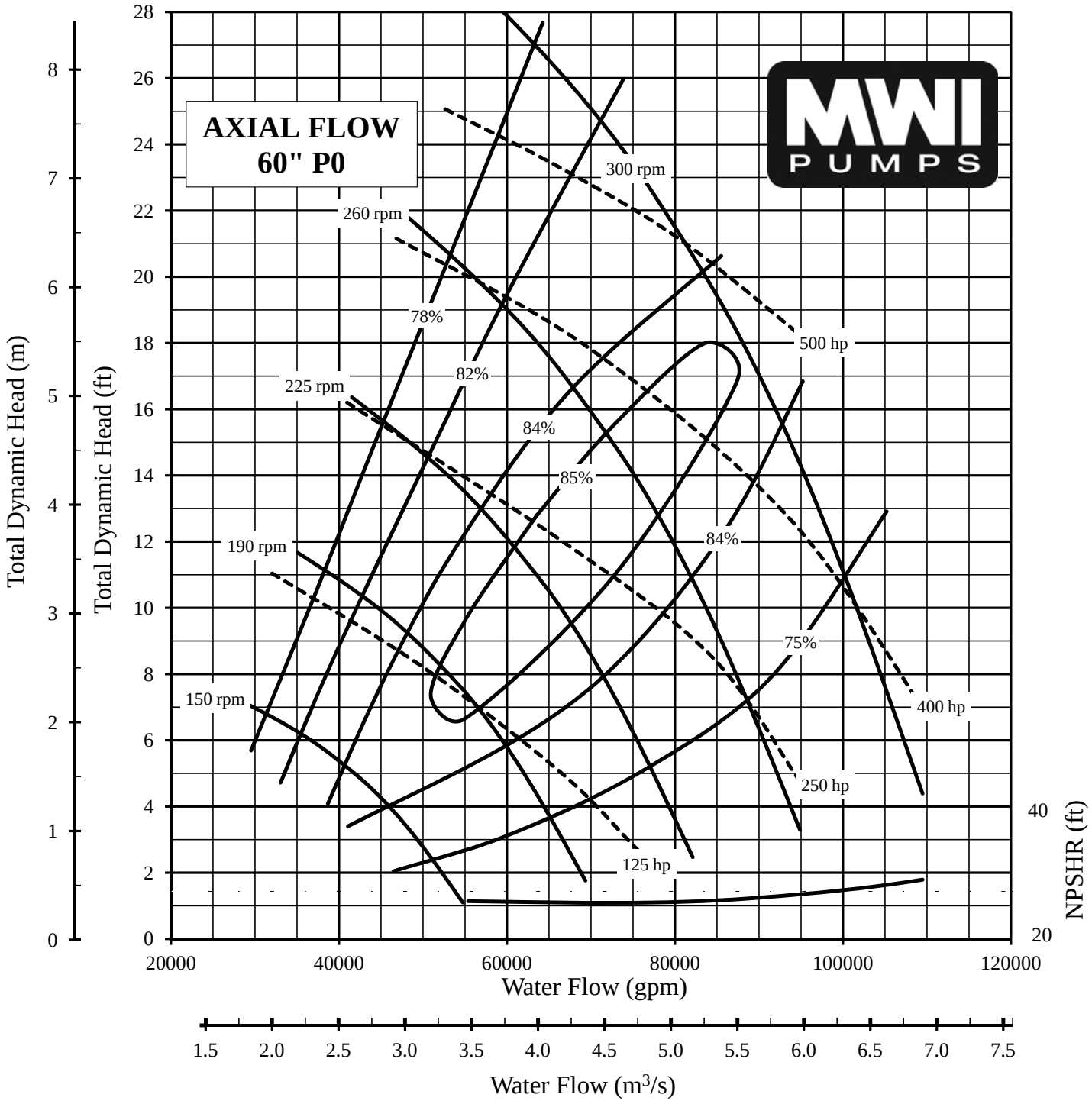

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 60"**
MODEL NO: NC360P0	**SPEED: As Noted**
INTAKE DIA: 90"	**DISCHARGE COLUMN DIA: 60"**
CURVE NO.: VS360P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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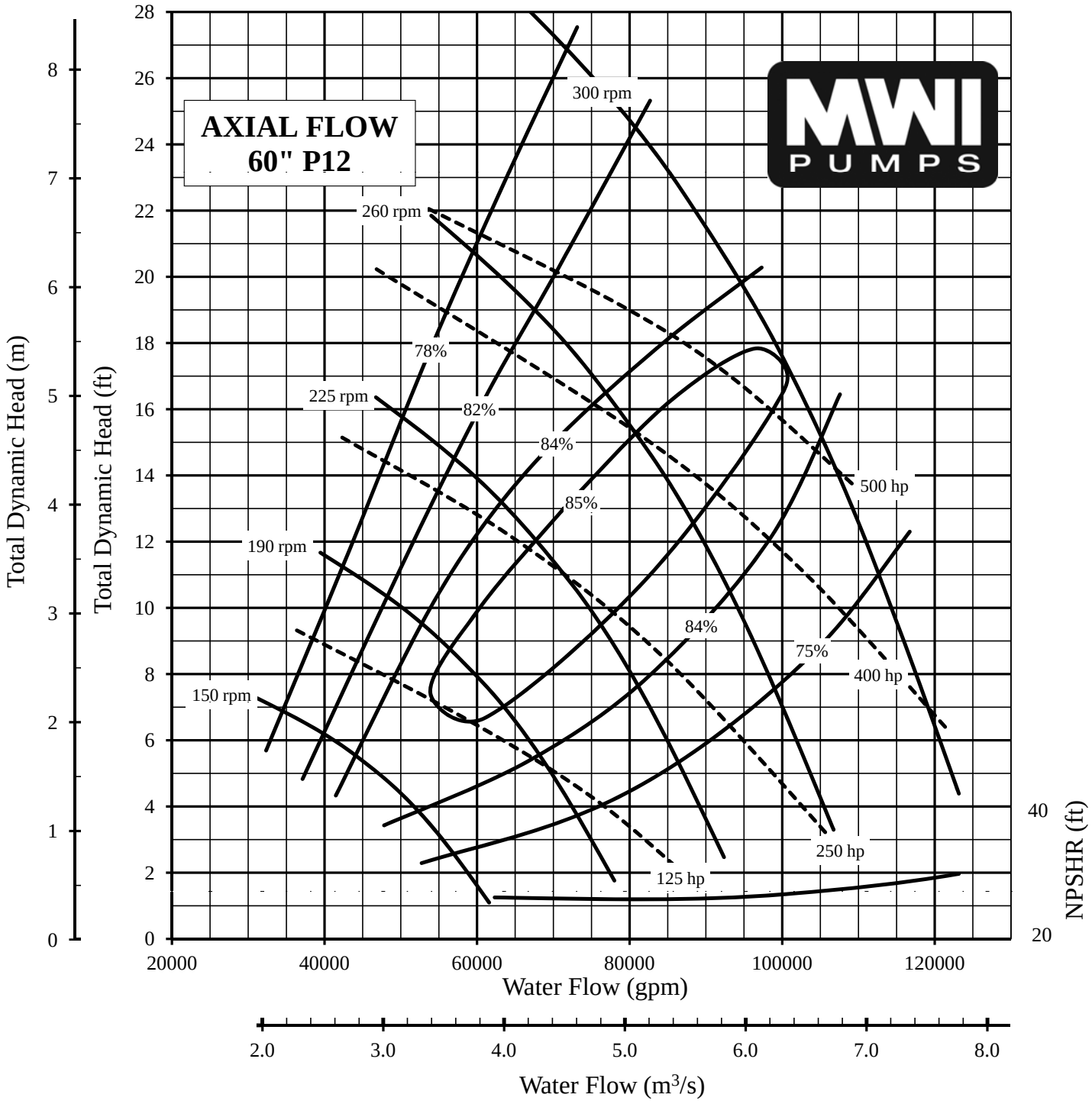

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 60"**
MODEL NO: NC360P12	**SPEED: As Noted**
INTAKE DIA: 90"	**DISCHARGE COLUMN DIA: 60"**
CURVE NO.: VS360P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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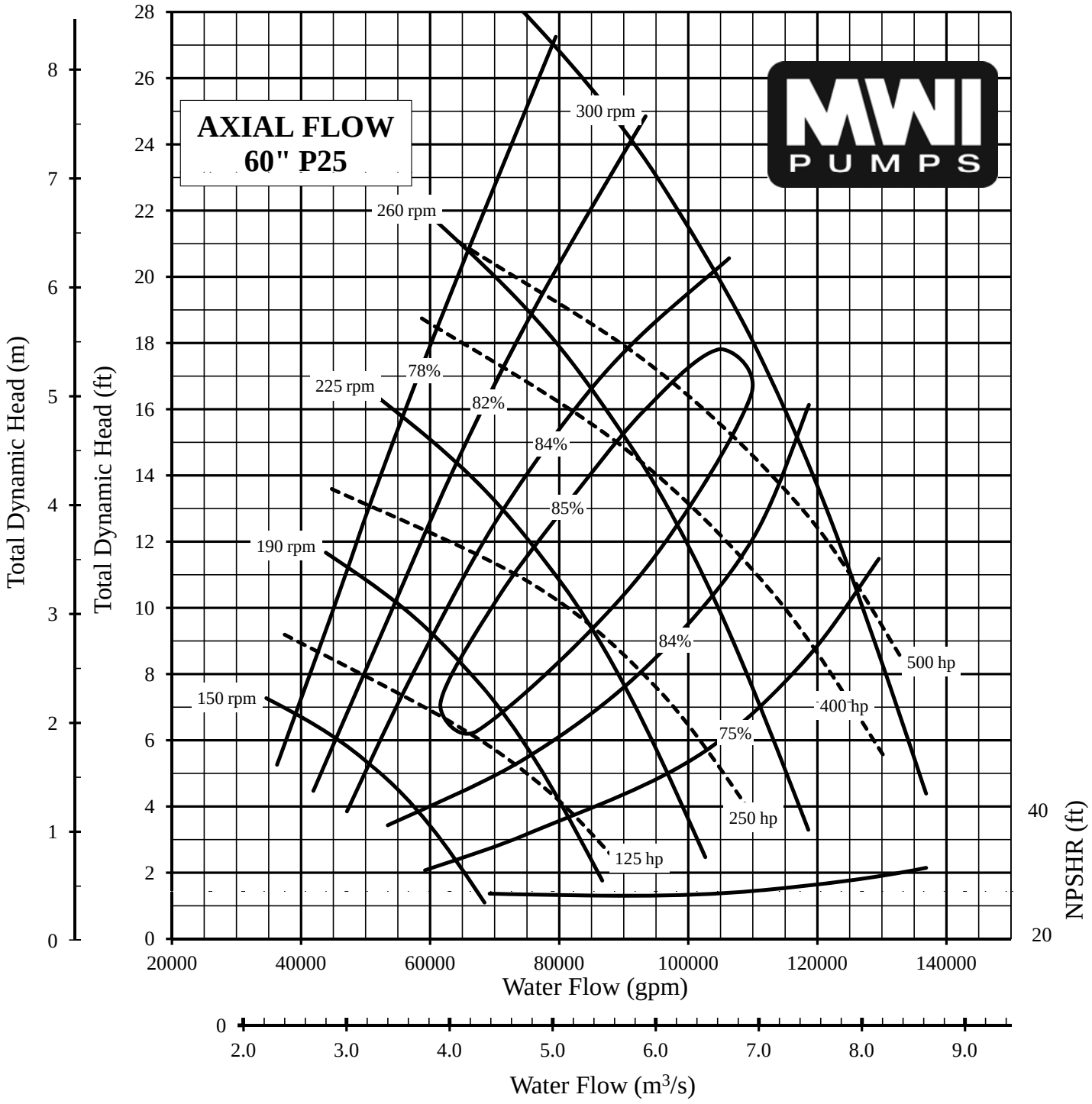

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 60"**
MODEL NO: NC360P25	**SPEED: As Noted**
INTAKE DIA: 90"	**DISCHARGE COLUMN DIA: 60"**
CURVE NO.: VS360P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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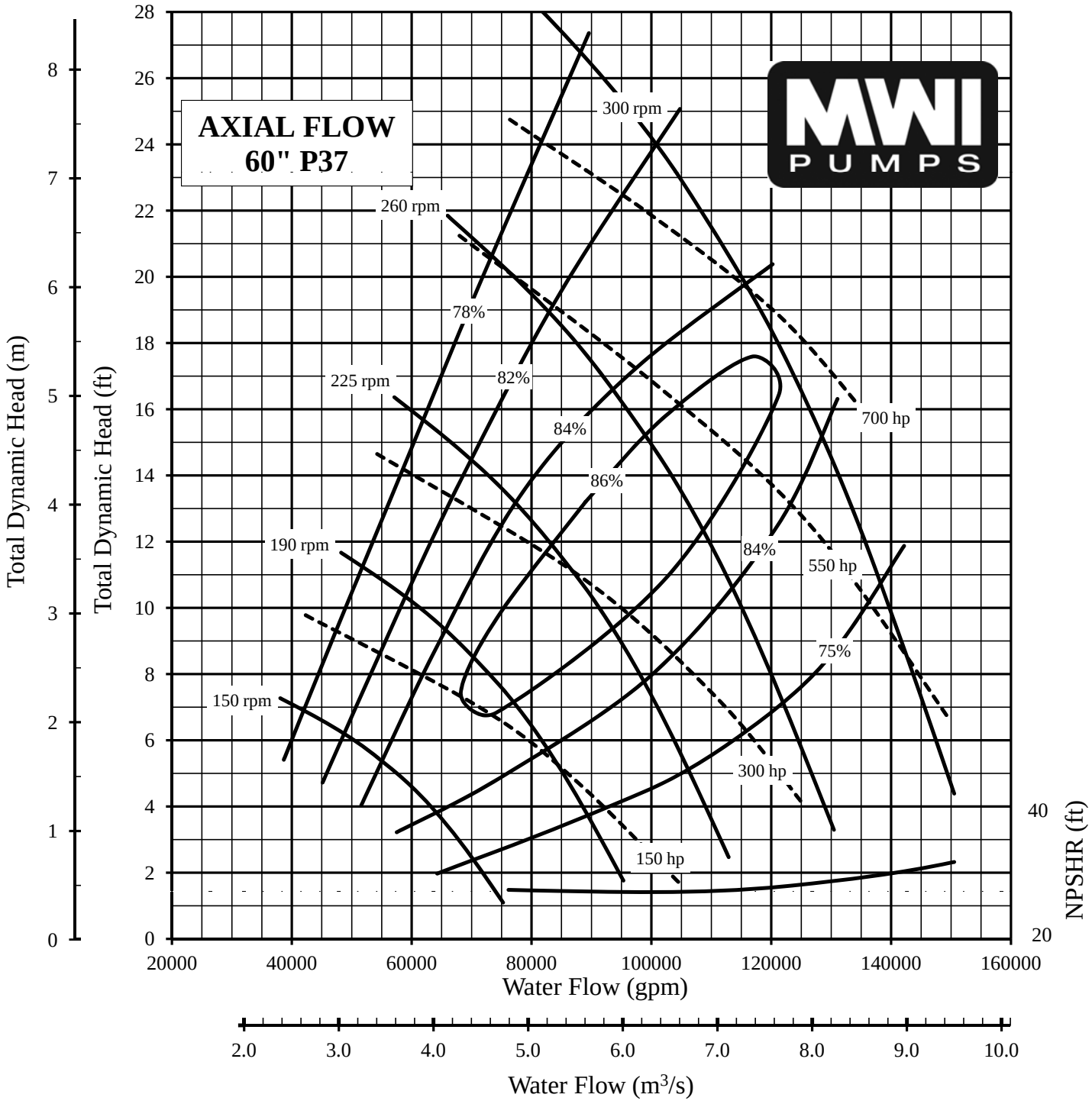

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 60"**
MODEL NO: NC360P37	**SPEED: As Noted**
INTAKE DIA: 90"	**DISCHARGE COLUMN DIA: 60"**
CURVE NO.: VS360P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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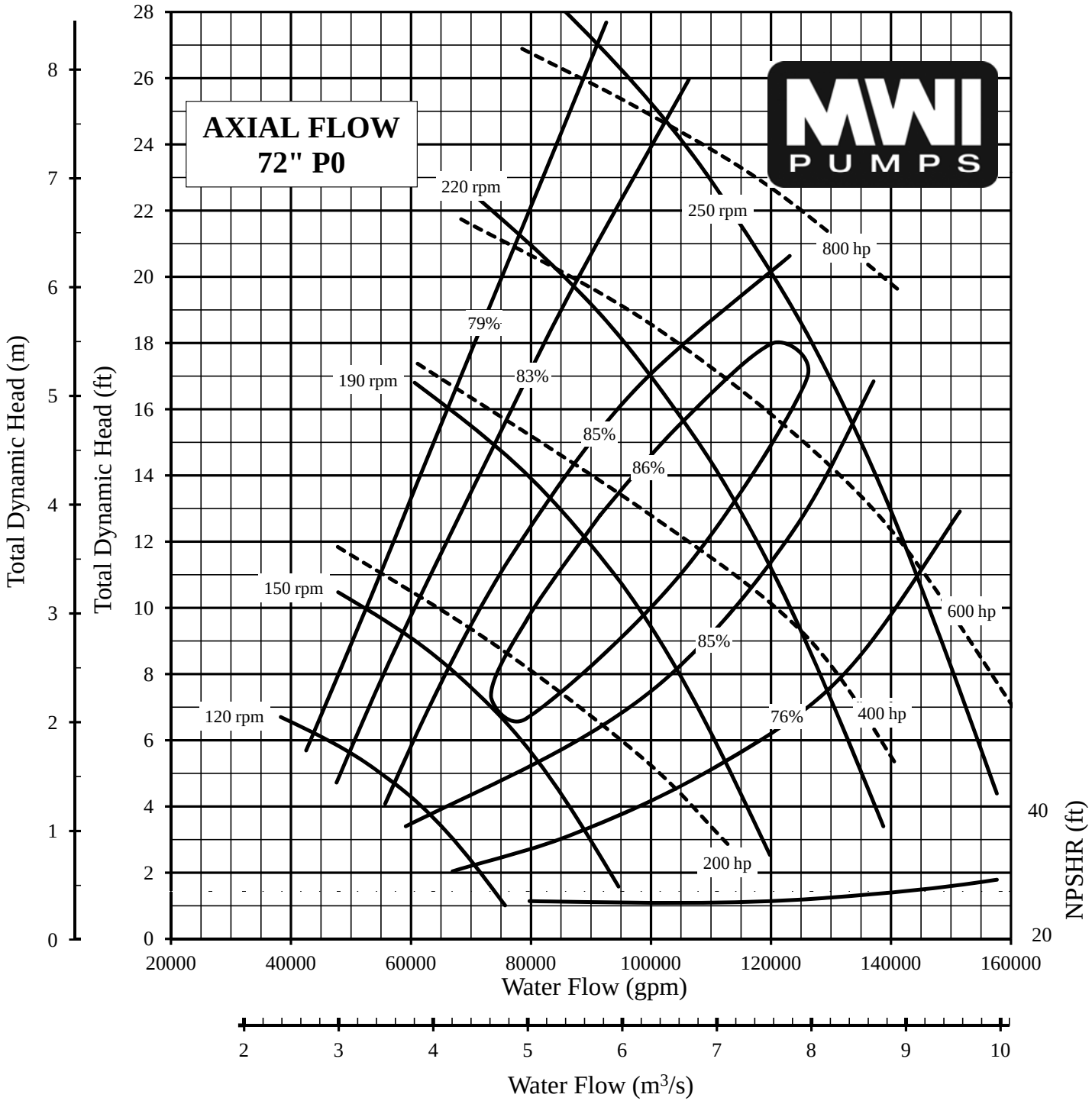

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 72"**
MODEL NO: NC372P0	**SPEED: As Noted**
INTAKE DIA: 108"	**DISCHARGE COLUMN DIA: 72"**
CURVE NO.: VS372P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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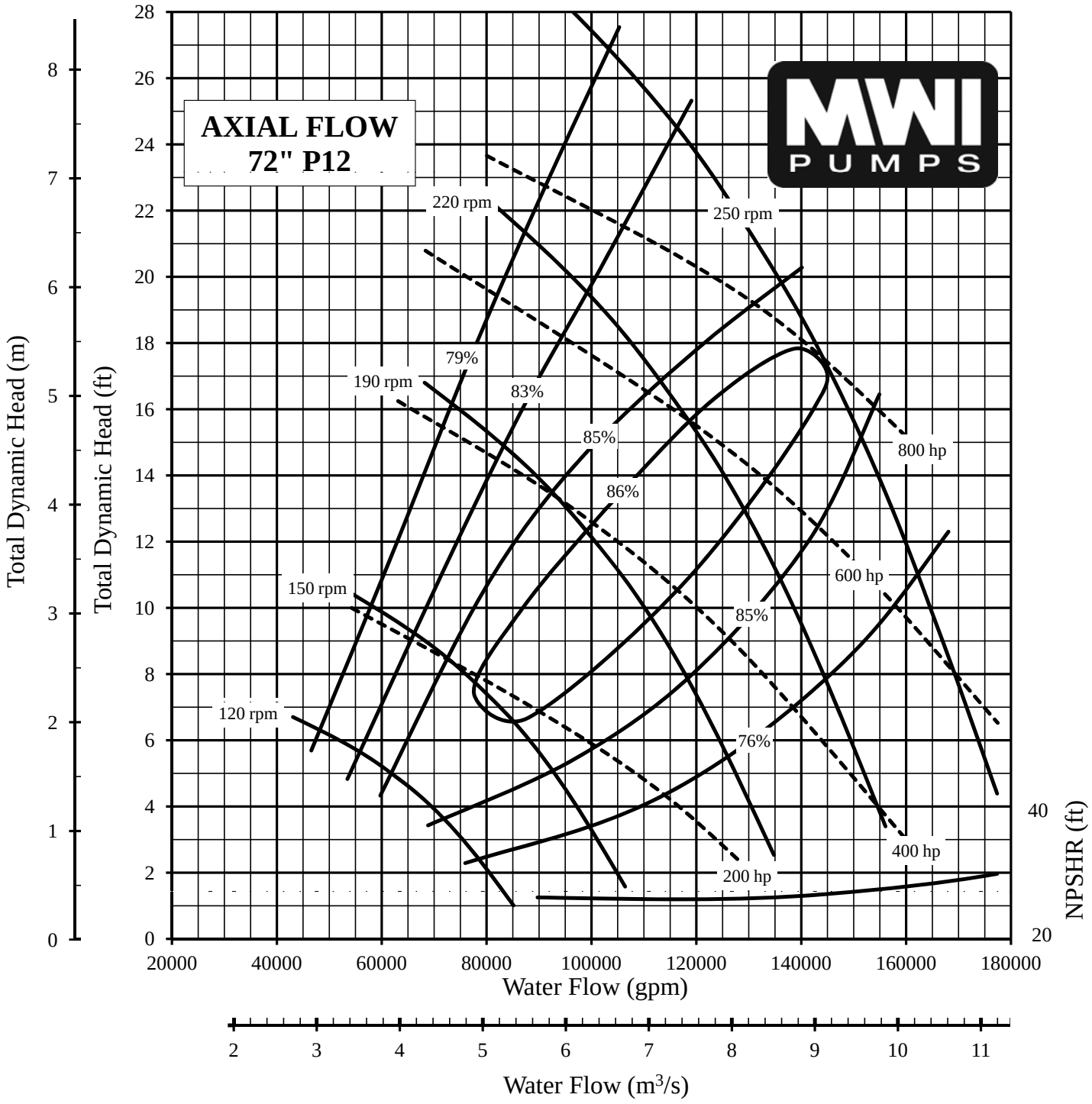

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 72"**
MODEL NO: NC372P12	**SPEED: As Noted**
INTAKE DIA: 108"	**DISCHARGE COLUMN DIA: 72"**
CURVE NO.: VS372P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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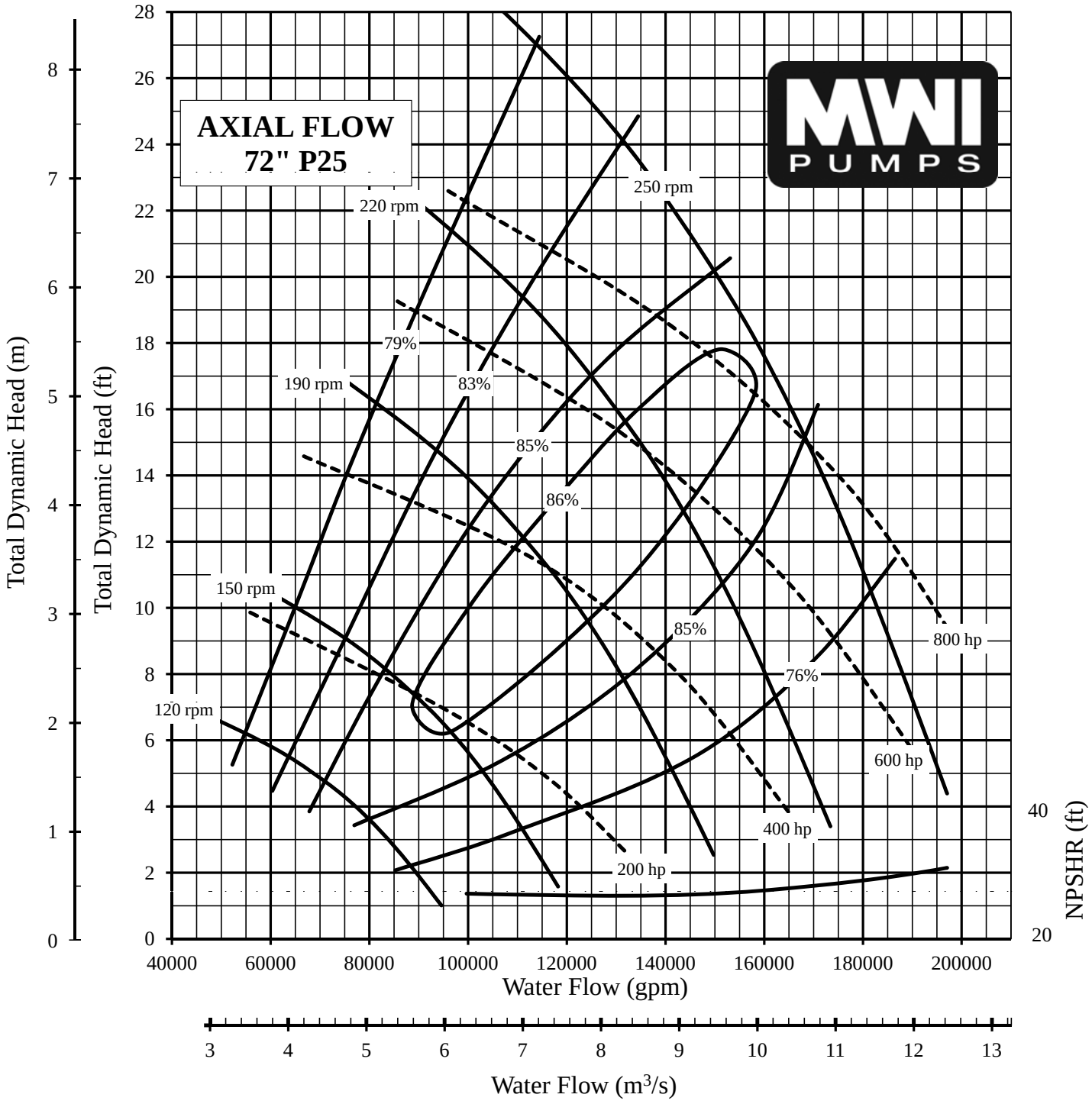

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 72"**
MODEL NO: NC372P25	**SPEED: As Noted**
INTAKE DIA: 108"	**DISCHARGE COLUMN DIA: 72"**
CURVE NO.: VS372P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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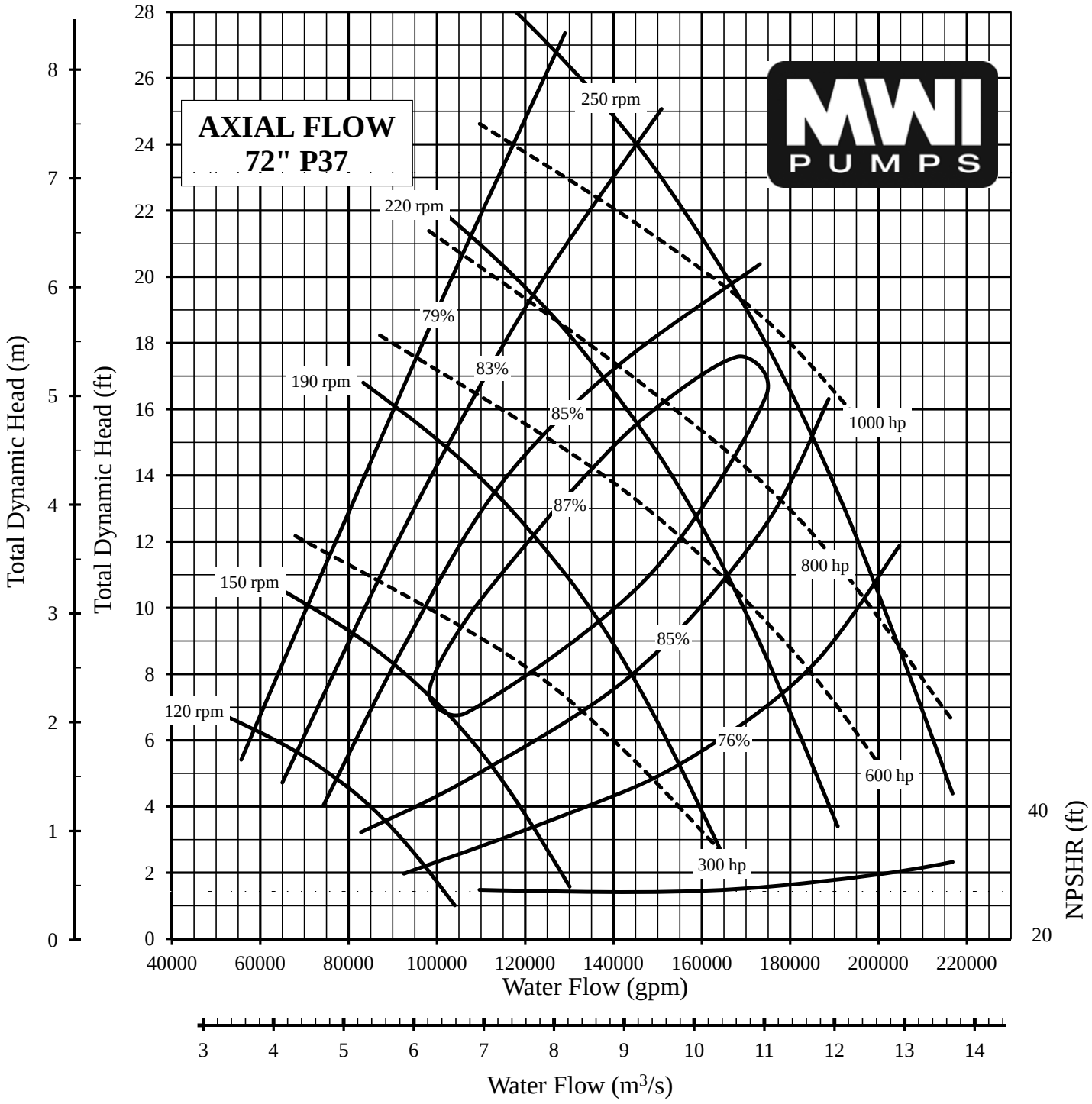

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 72"**
MODEL NO: NC372P37	**SPEED: As Noted**
INTAKE DIA: 108"	**DISCHARGE COLUMN DIA: 72"**
CURVE NO.: VS372P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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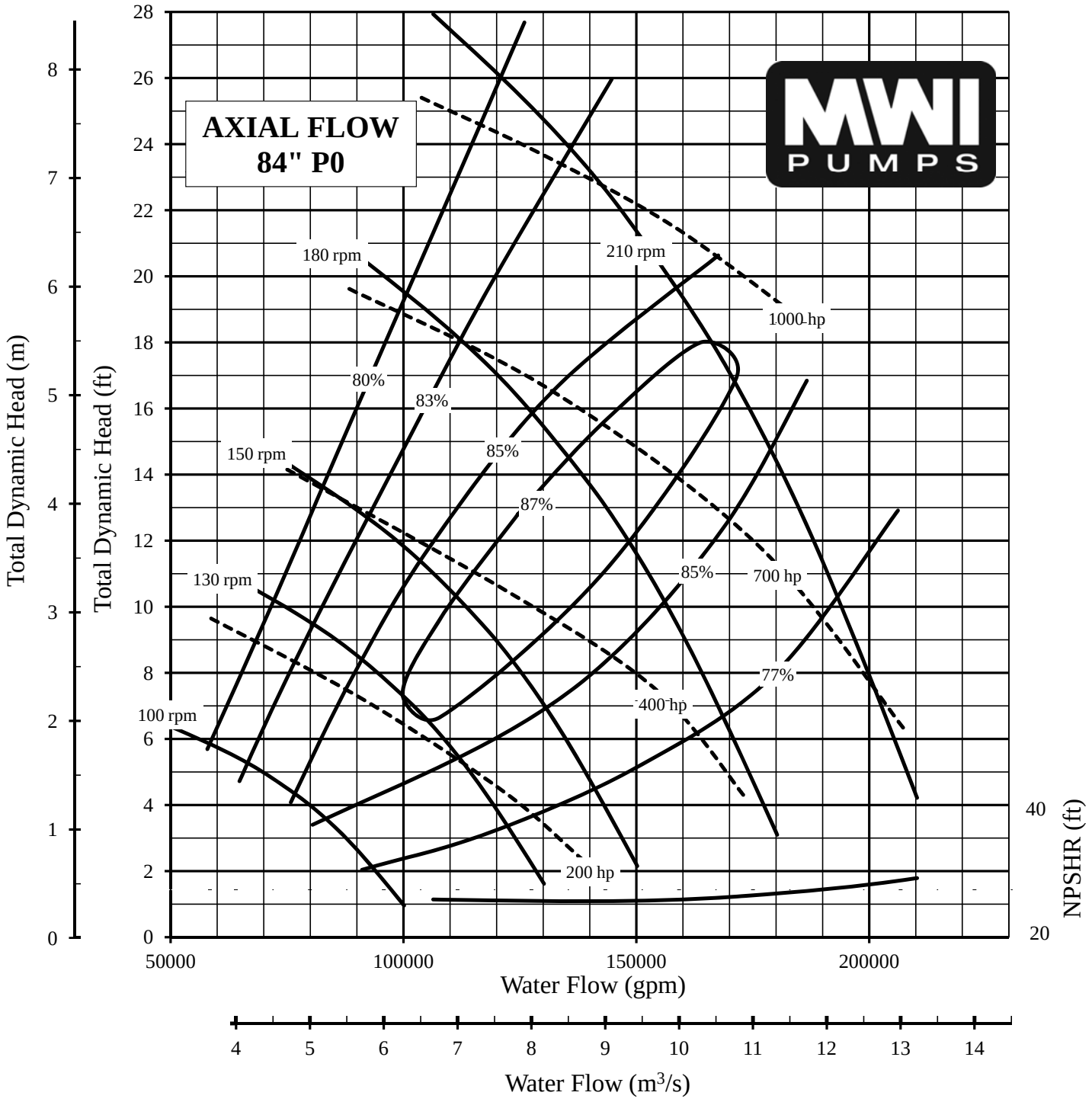

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 84"**
MODEL NO: NC384P0	**SPEED: As Noted**
INTAKE DIA: 126"	**DISCHARGE COLUMN DIA: 84"**
CURVE NO.: VS384P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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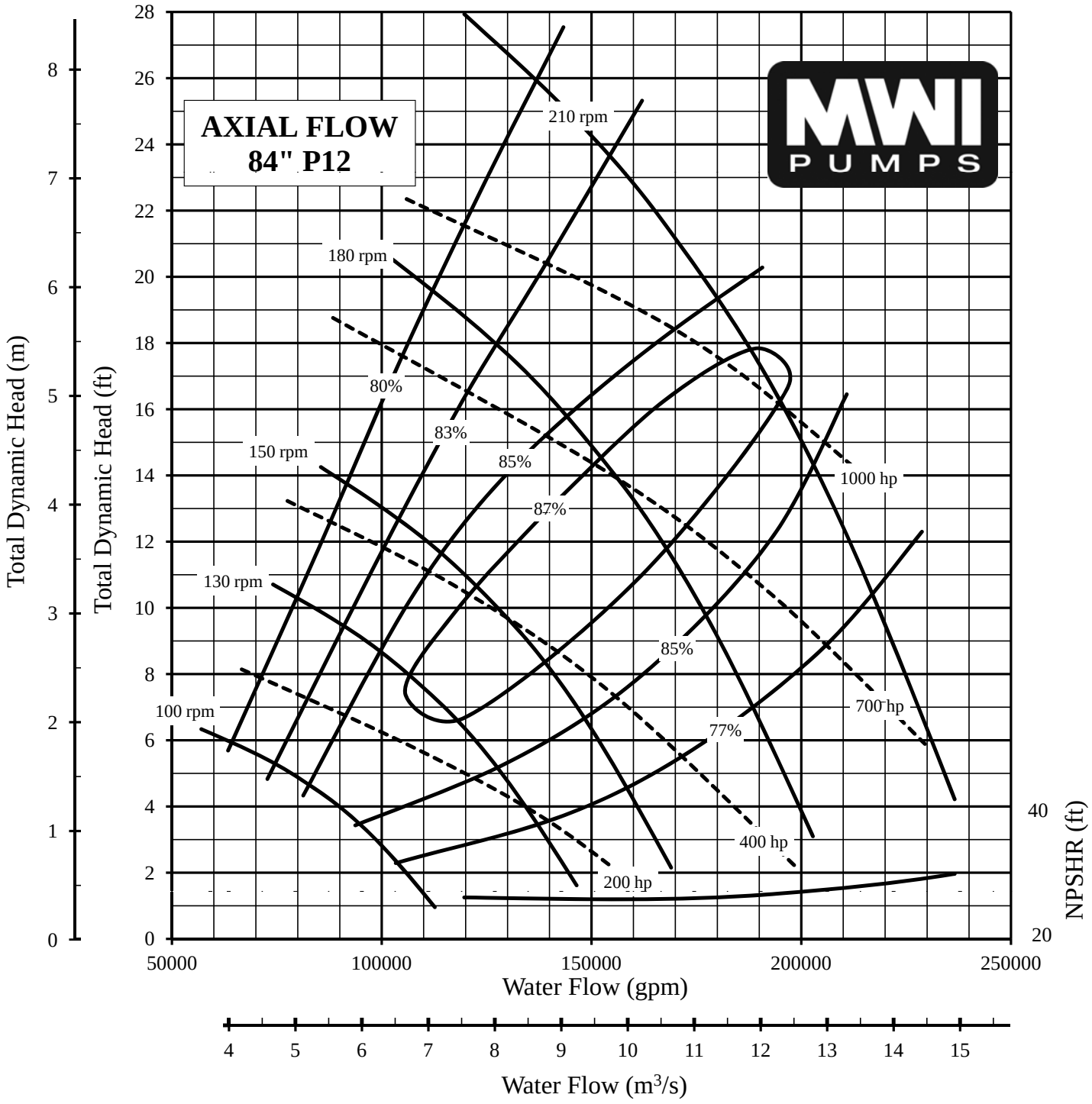

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 84"**
MODEL NO: NC384P12	**SPEED: As Noted**
INTAKE DIA: 126"	**DISCHARGE COLUMN DIA: 84"**
CURVE NO.: VS384P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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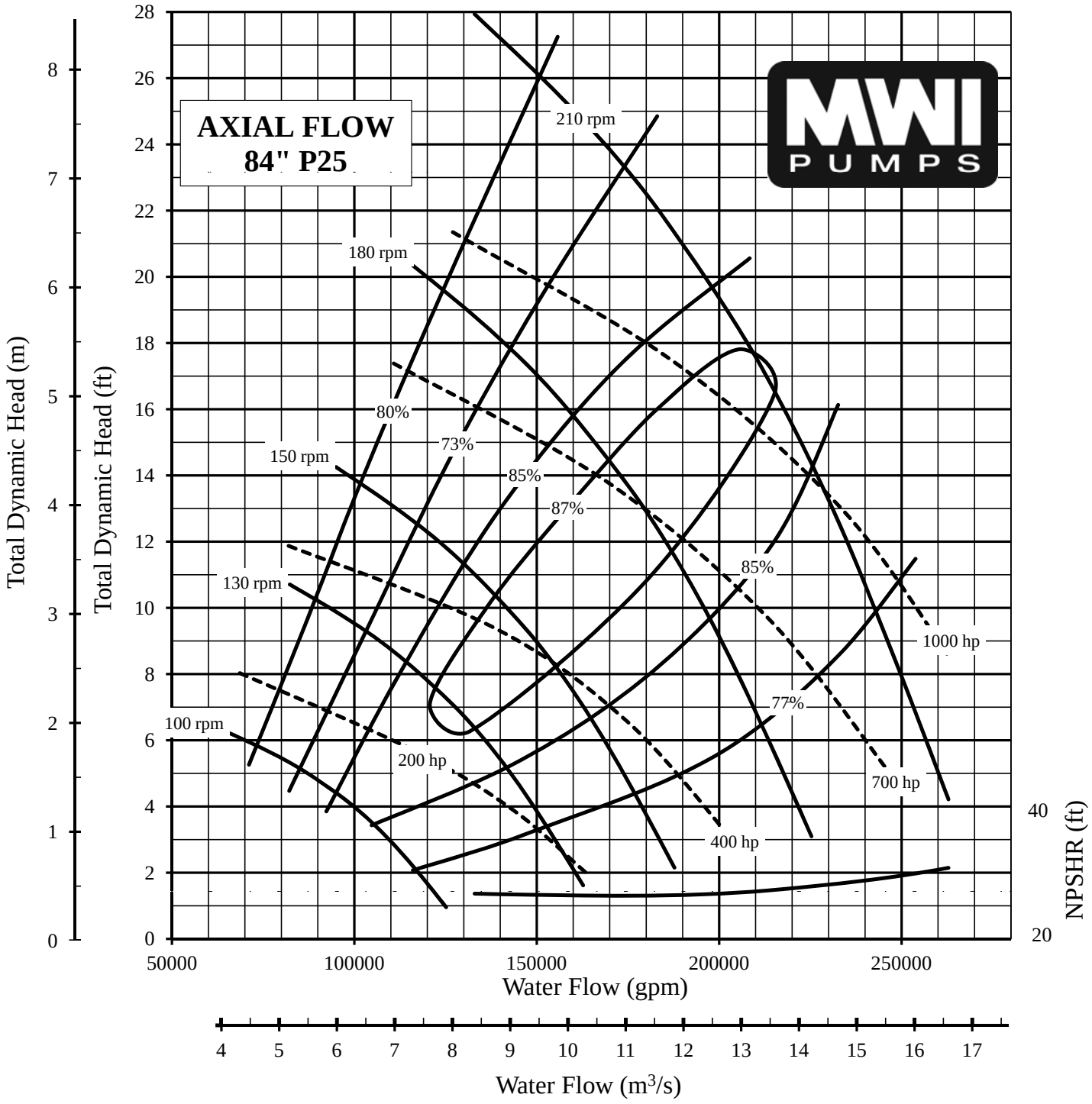

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 84"**
MODEL NO: NC384P25	**SPEED: As Noted**
INTAKE DIA: 126"	**DISCHARGE COLUMN DIA: 84"**
CURVE NO.: VS384P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

IT IS HEREBY CERTIFIED THAT THIS CURVE REPRESENTS THE TRUE PERFORMANCE CHARACTERISTICS OF THE MWI PUMP MODEL SHOWN AND WAS OBTAINED BY SCALE MODEL TEST AND CALCULATIONS IN ACORDANCE WITH STANDARDS OF THE HYDRAULIC INSTITUTE.

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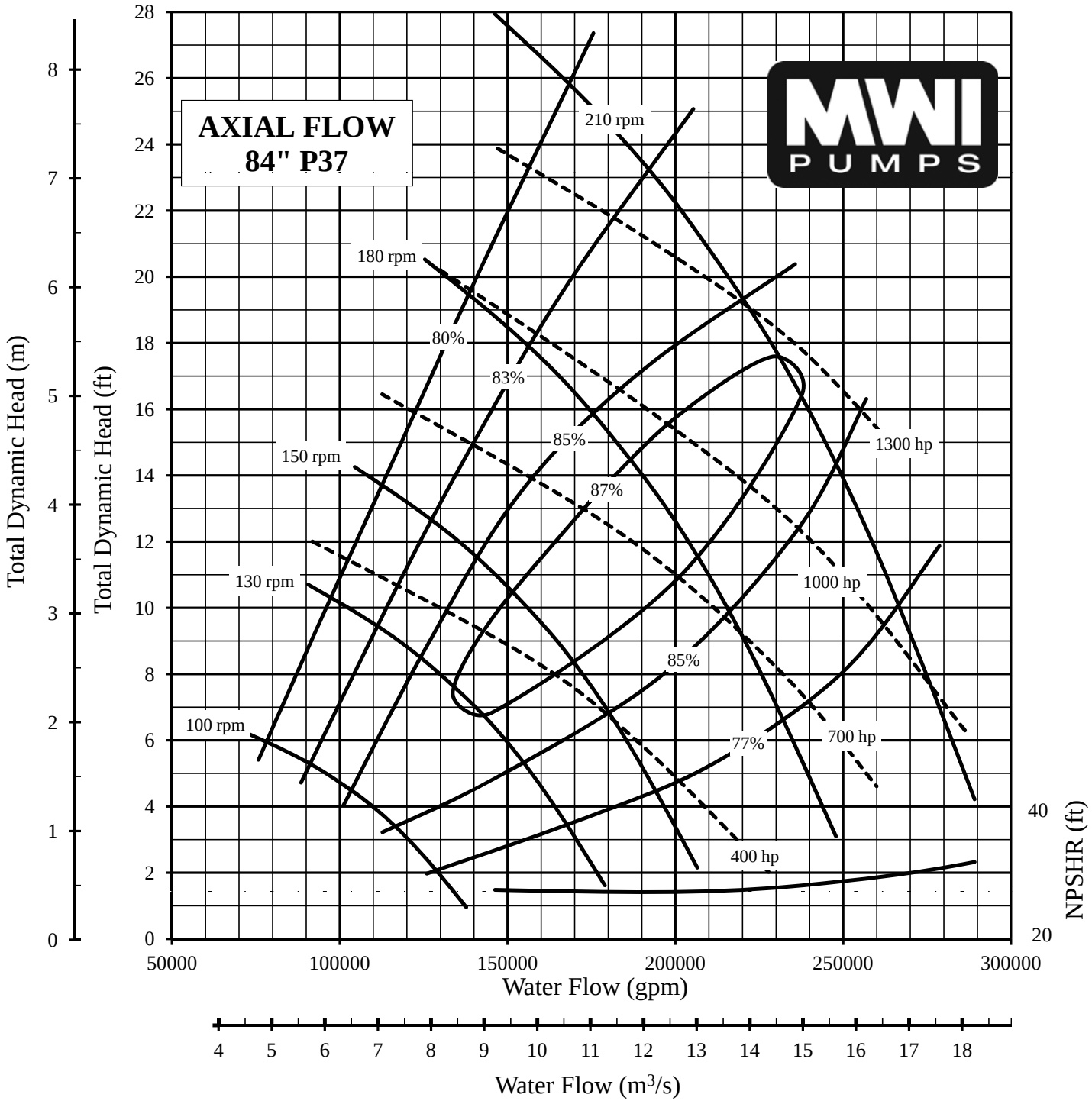

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 84"**
MODEL NO: NC384P37	**SPEED: As Noted**
INTAKE DIA: 126"	**DISCHARGE COLUMN DIA: 84"**
CURVE NO.: VS384P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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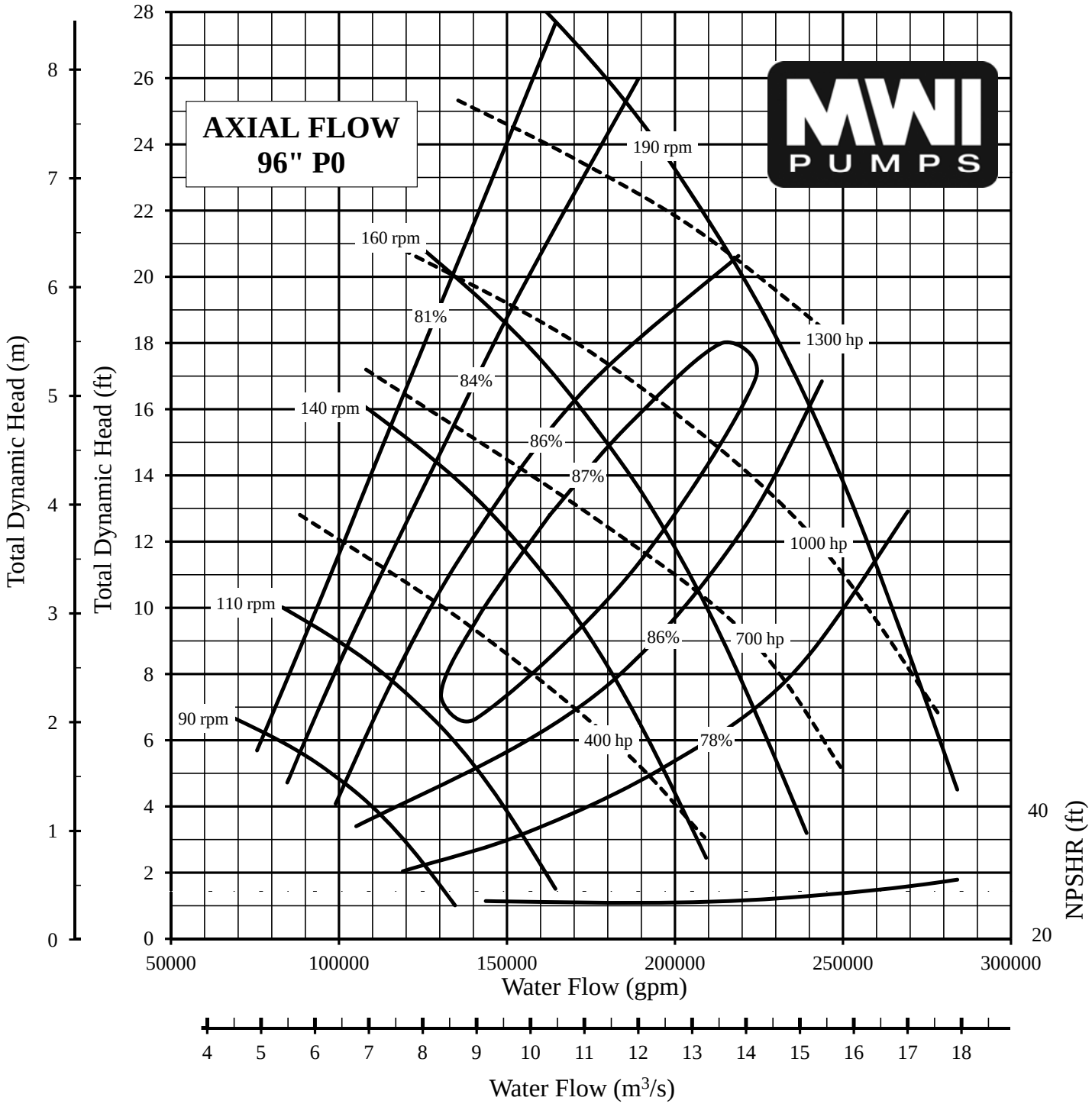

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 96"**
MODEL NO: NC396P0	**SPEED: As Noted**
INTAKE DIA: 144"	**DISCHARGE COLUMN DIA: 96"**
CURVE NO.: VS396P0A	**Ns: 9600 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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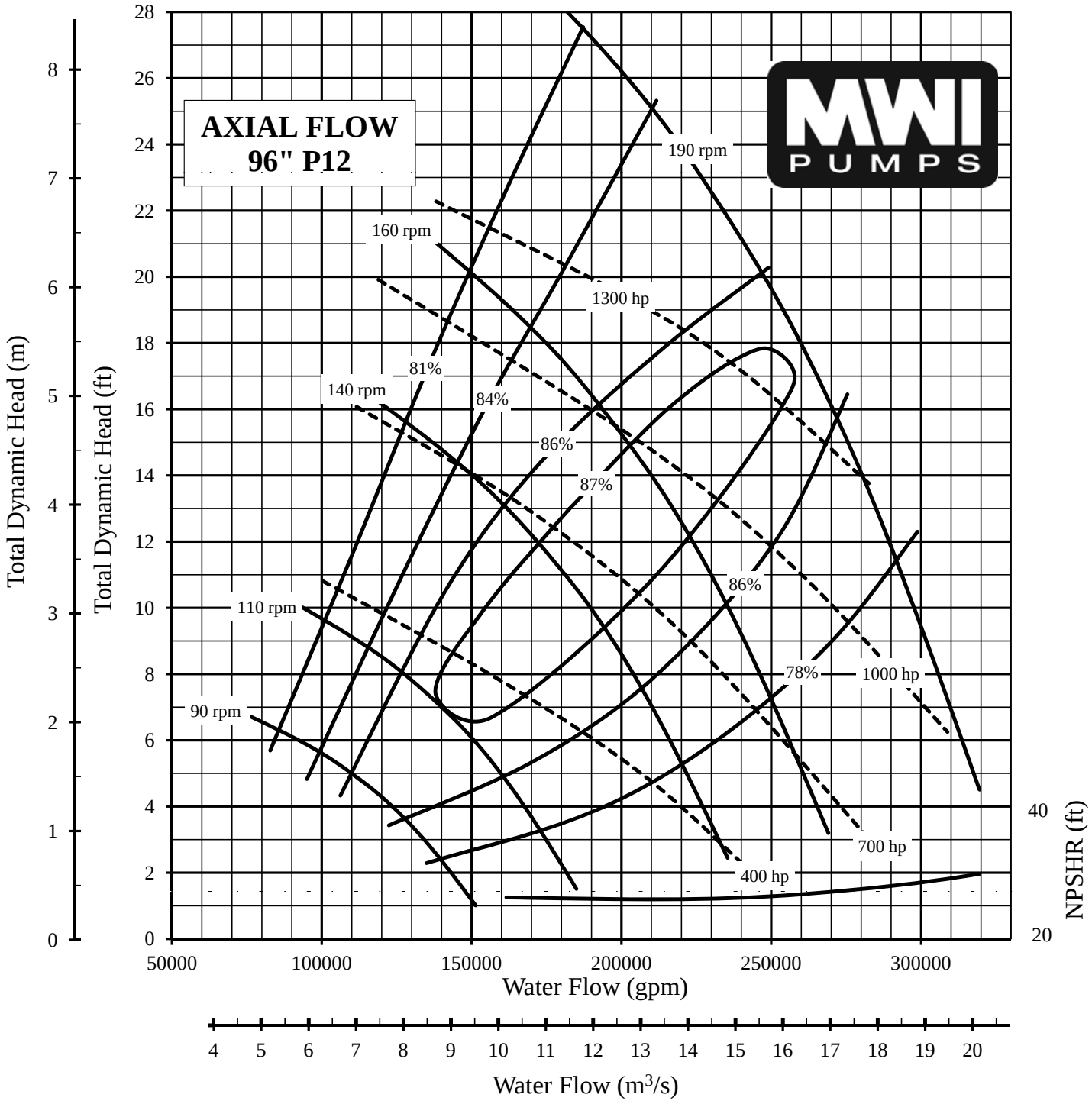

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 96"**
MODEL NO: NC396P12	**SPEED: As Noted**
INTAKE DIA: 144"	**DISCHARGE COLUMN DIA: 96"**
CURVE NO.: VS396P12A	**Ns: 10200 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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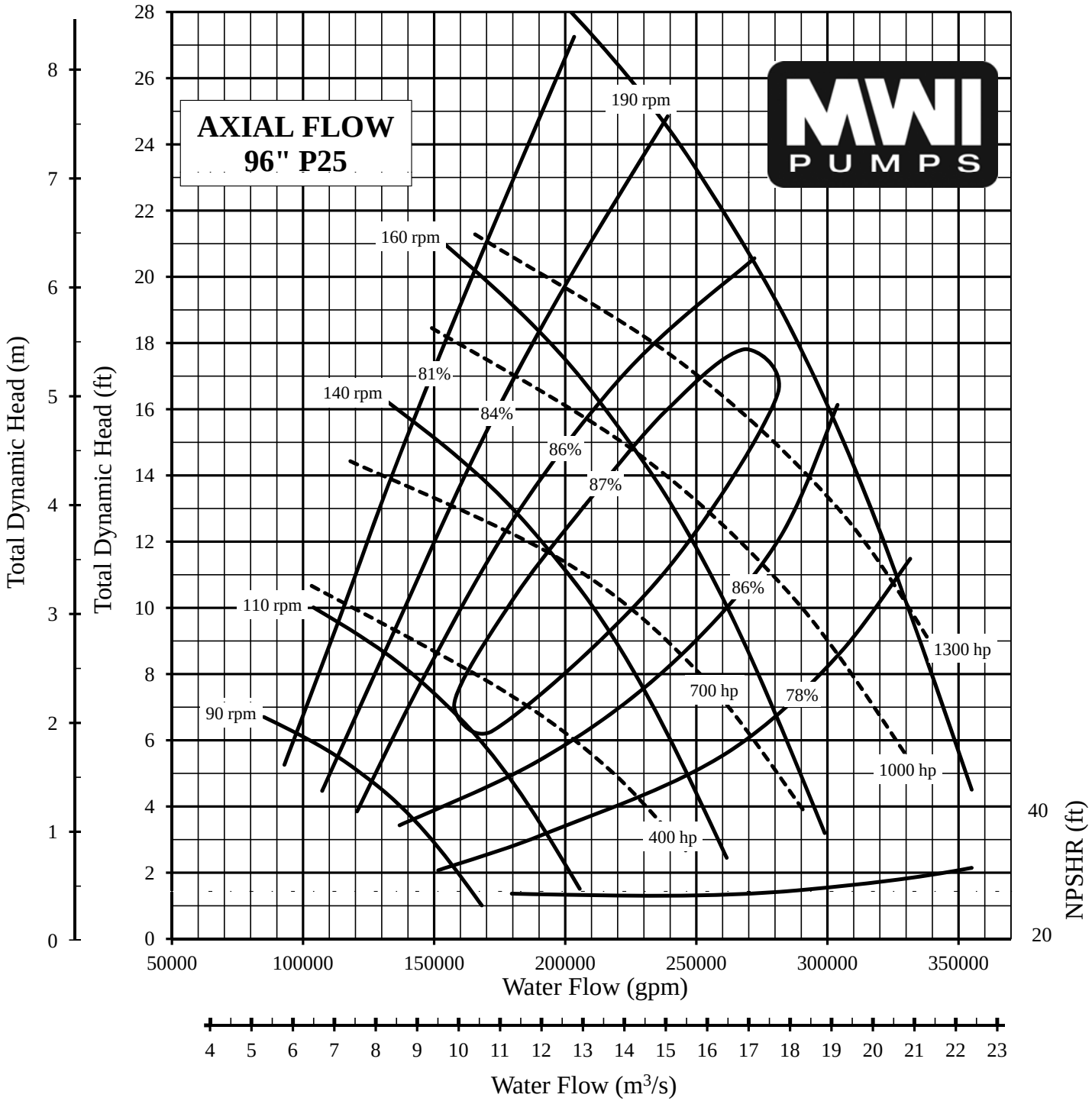

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 96"**
MODEL NO: NC396P25	**SPEED: As Noted**
INTAKE DIA: 144"	**DISCHARGE COLUMN DIA: 96"**
CURVE NO.: VS396P25A	**Ns: 10900 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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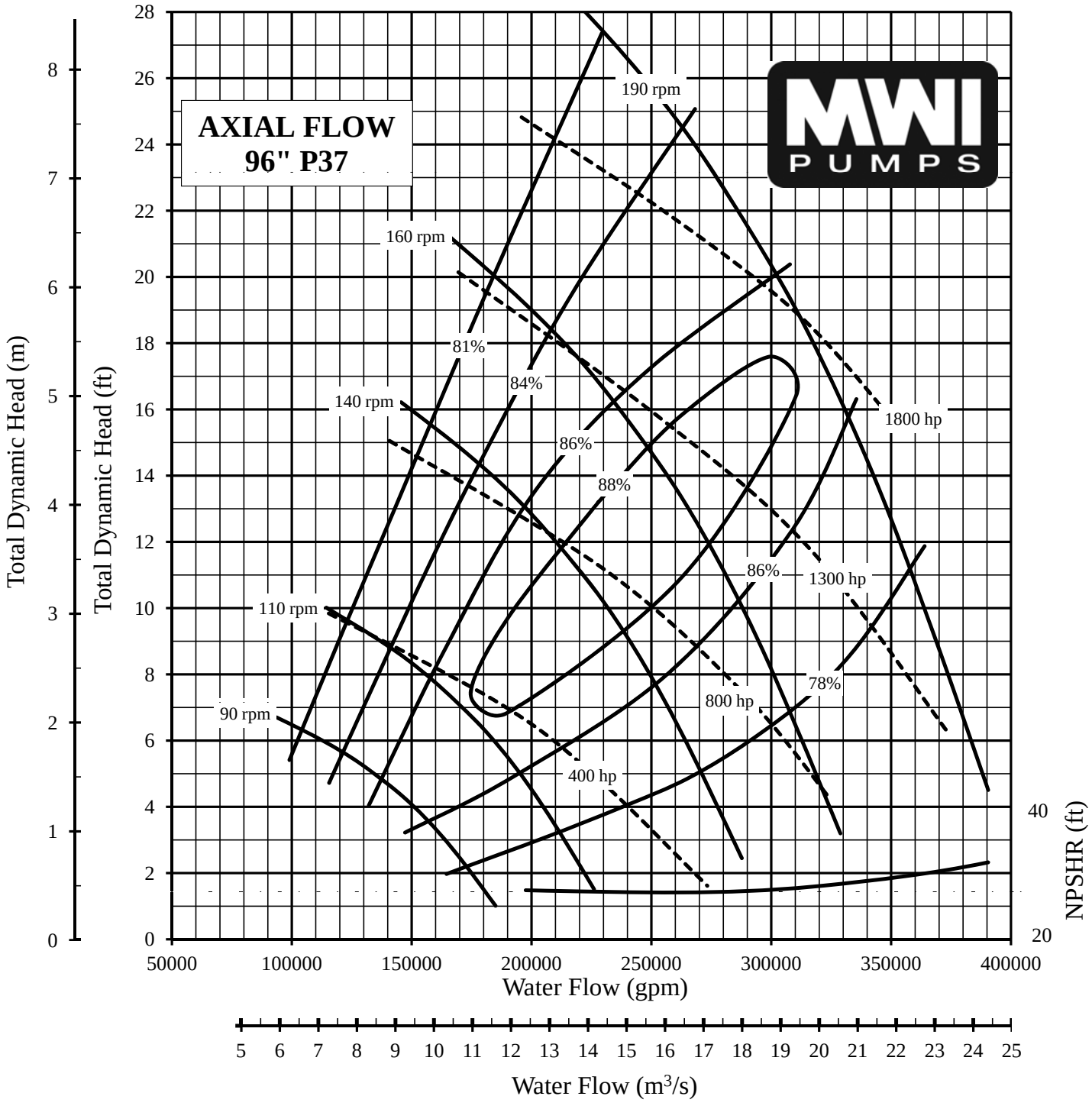

PUMP BOWL PERFORMANCE CURVE

TYPE: AXIAL FLOW	**PROPELLER DIA: 96"**
MODEL NO: NC396P37	**SPEED: As Noted**
INTAKE DIA: 144"	**DISCHARGE COLUMN DIA: 96"**
CURVE NO.: VS396P37A	**Ns: 11300 CODE: 0.50**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NON-AERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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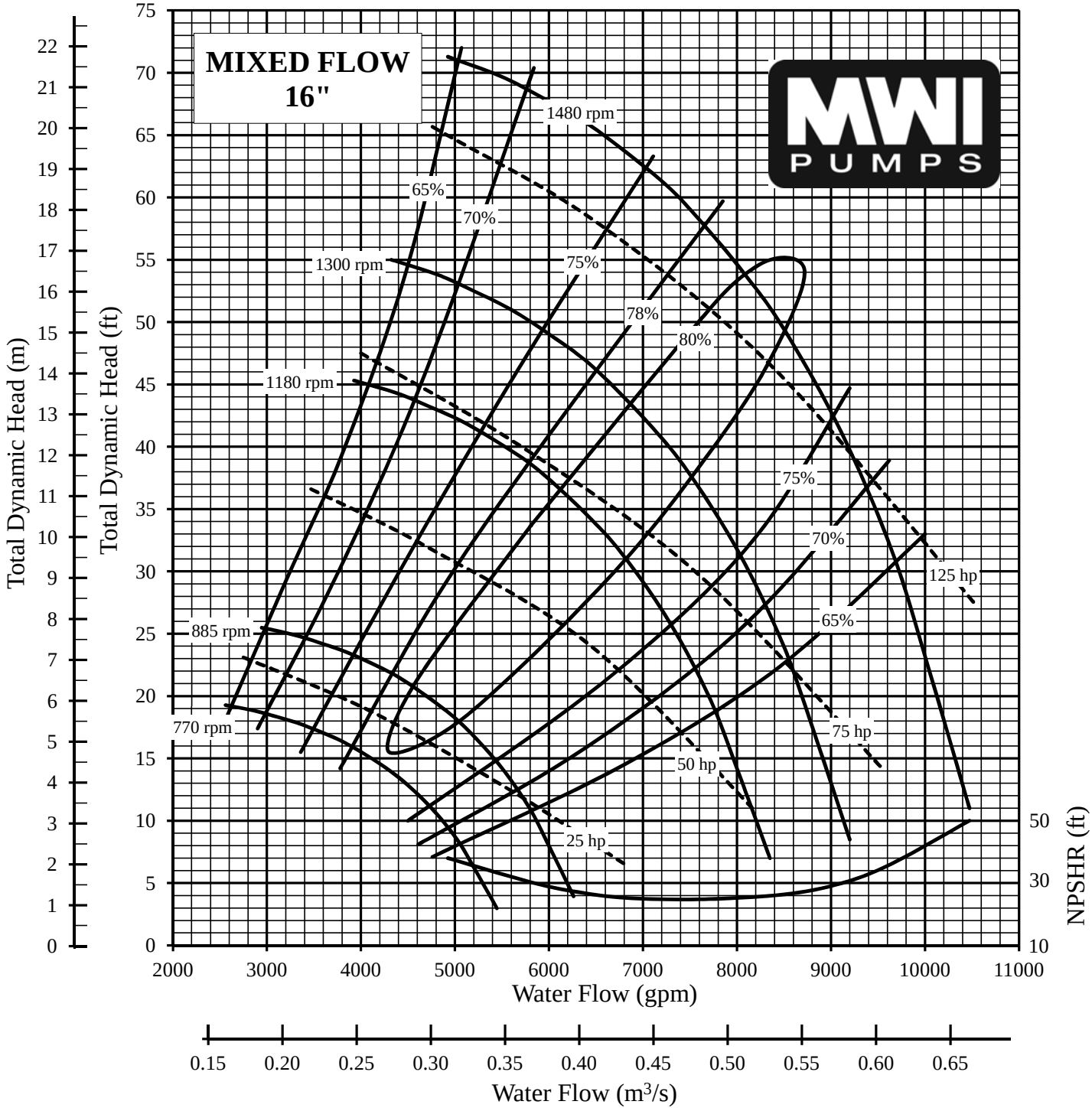

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 14.1"**
MODEL NO: MF 16-661400SB+	**SPEED: As Noted**
INTAKE DIA: 21.3"	**DISCHARGE COLUMN DIA: 16"**
CURVE NO.: N1666B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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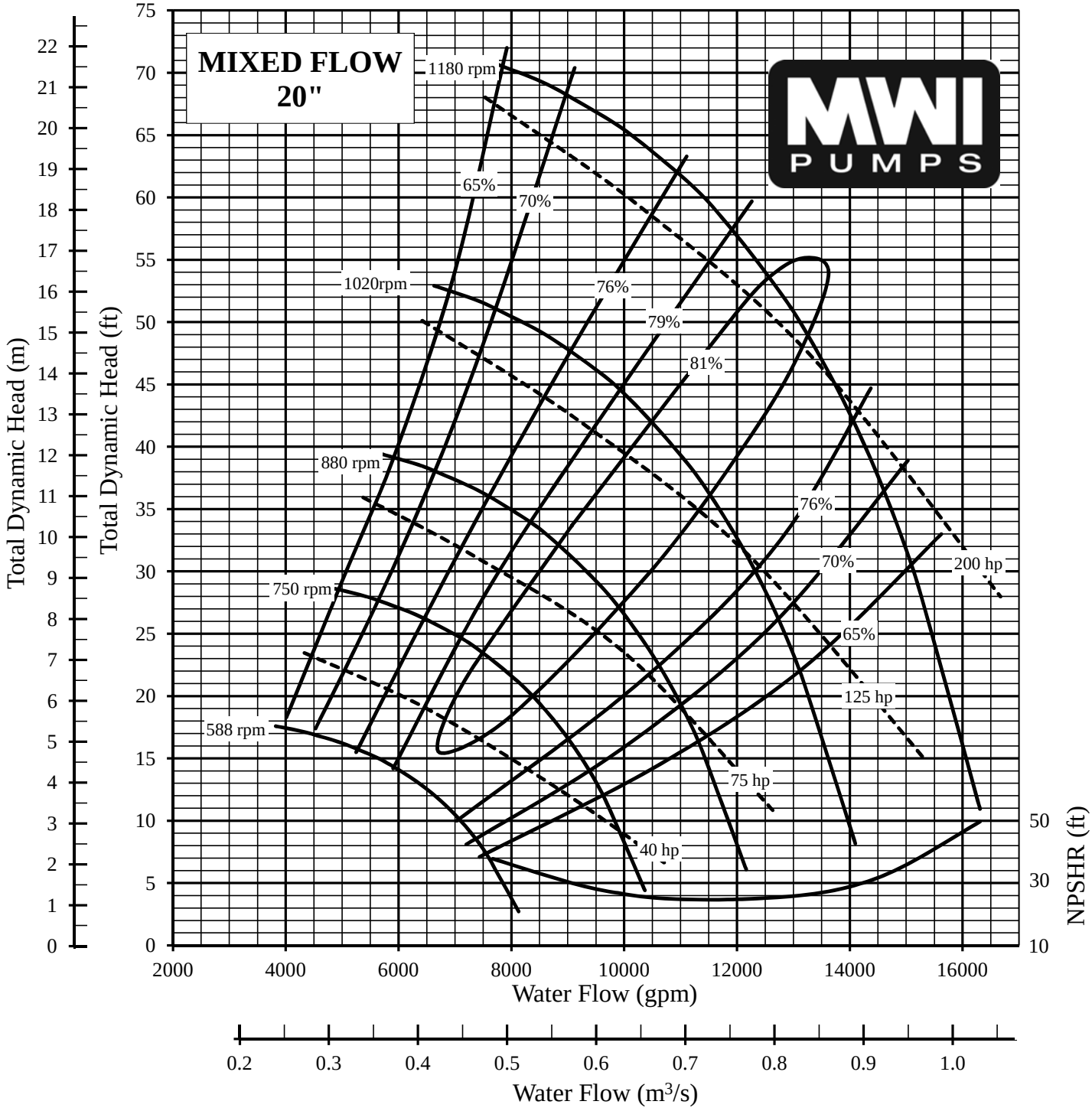

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 17.6"**
MODEL NO: MF 20-661400SB+	**SPEED: As Noted**
INTAKE DIA: 26.7"	**DISCHARGE COLUMN DIA: 20"**
CURVE NO.: N2066B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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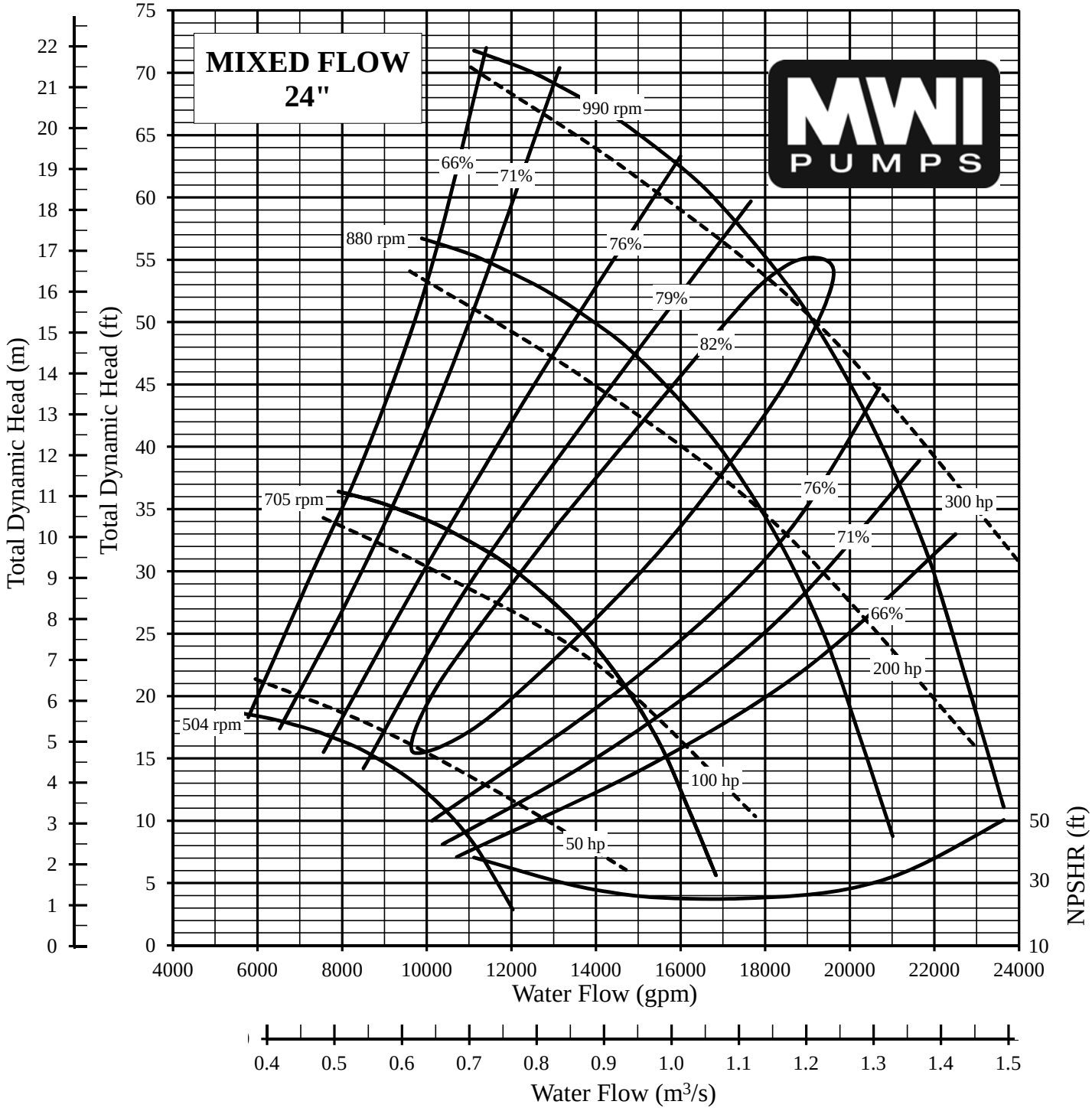

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 21.1"**
MODEL NO: MF 24-661400SB+	**SPEED: As Noted**
INTAKE DIA: 32"	**DISCHARGE COLUMN DIA: 24"**
CURVE NO.: N2466B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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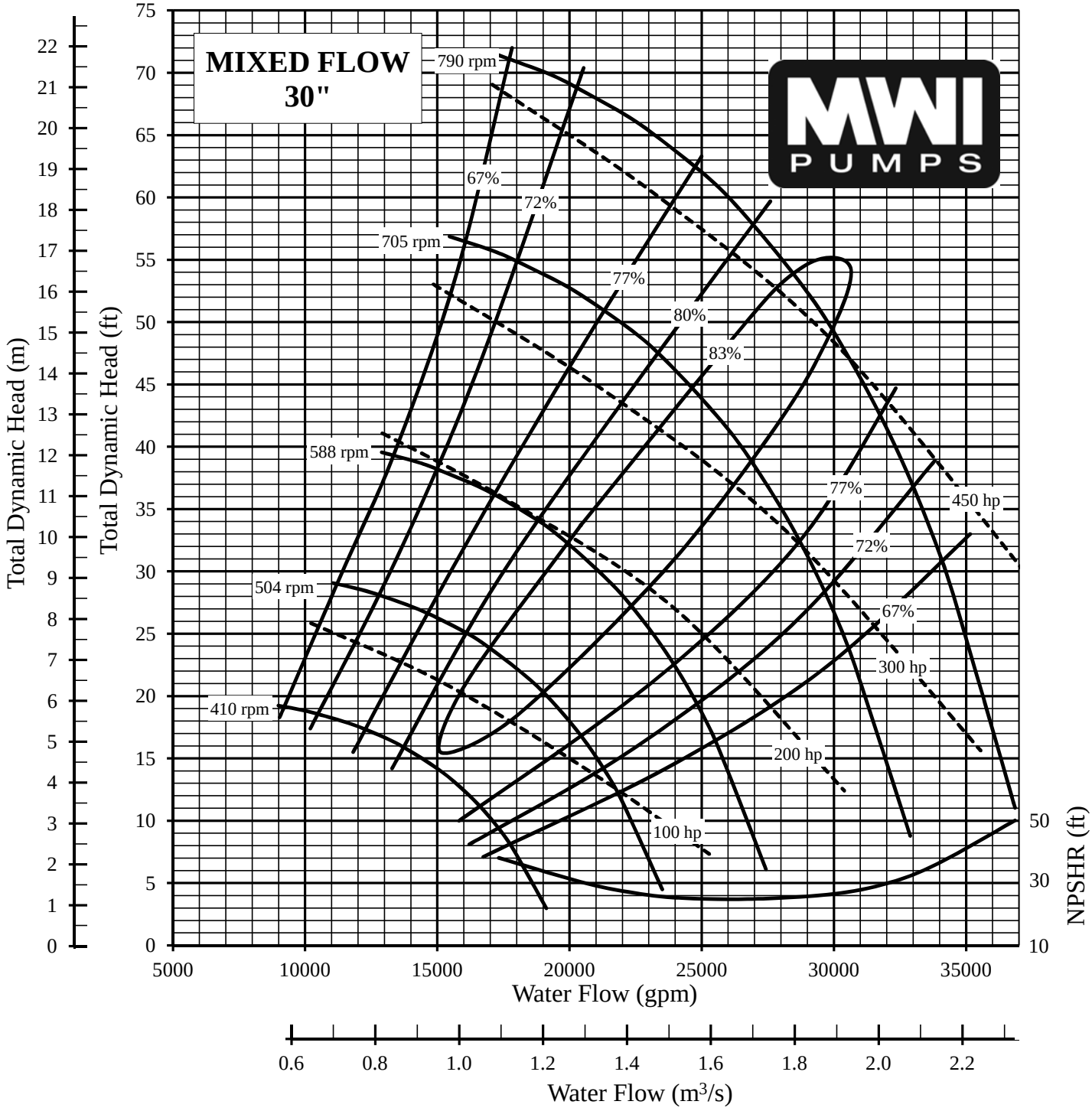

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 26.4"**
MODEL NO: MF 30-661400SB+	**SPEED: As Noted**
INTAKE DIA: 40"	**DISCHARGE COLUMN DIA: 30"**
CURVE NO.: N3066B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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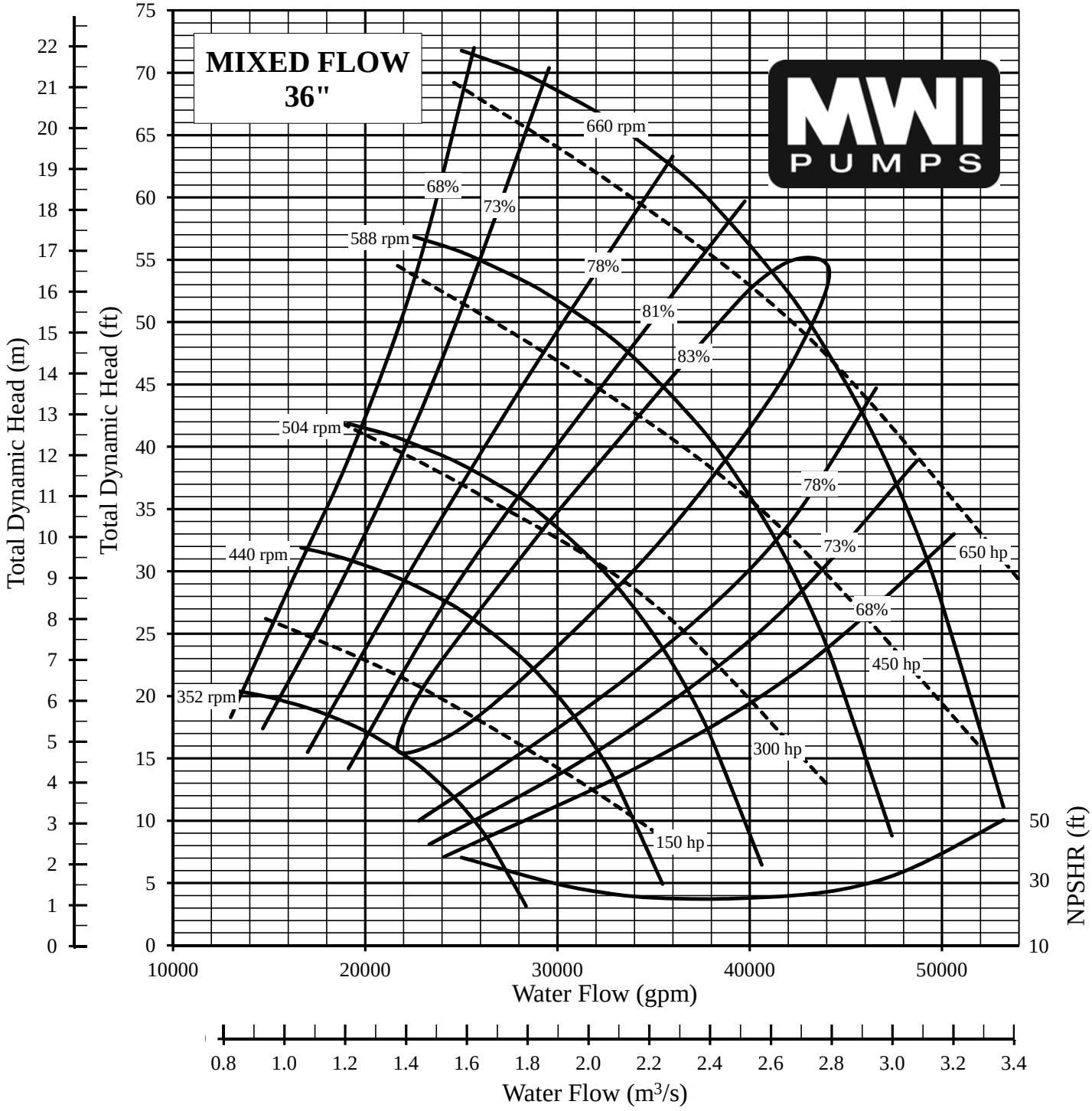

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 31.7"**
MODEL NO: MF 36-661400SB+	**SPEED: As Noted**
INTAKE DIA: 48"	**DISCHARGE COLUMN DIA: 36"**
CURVE NO.: N3666B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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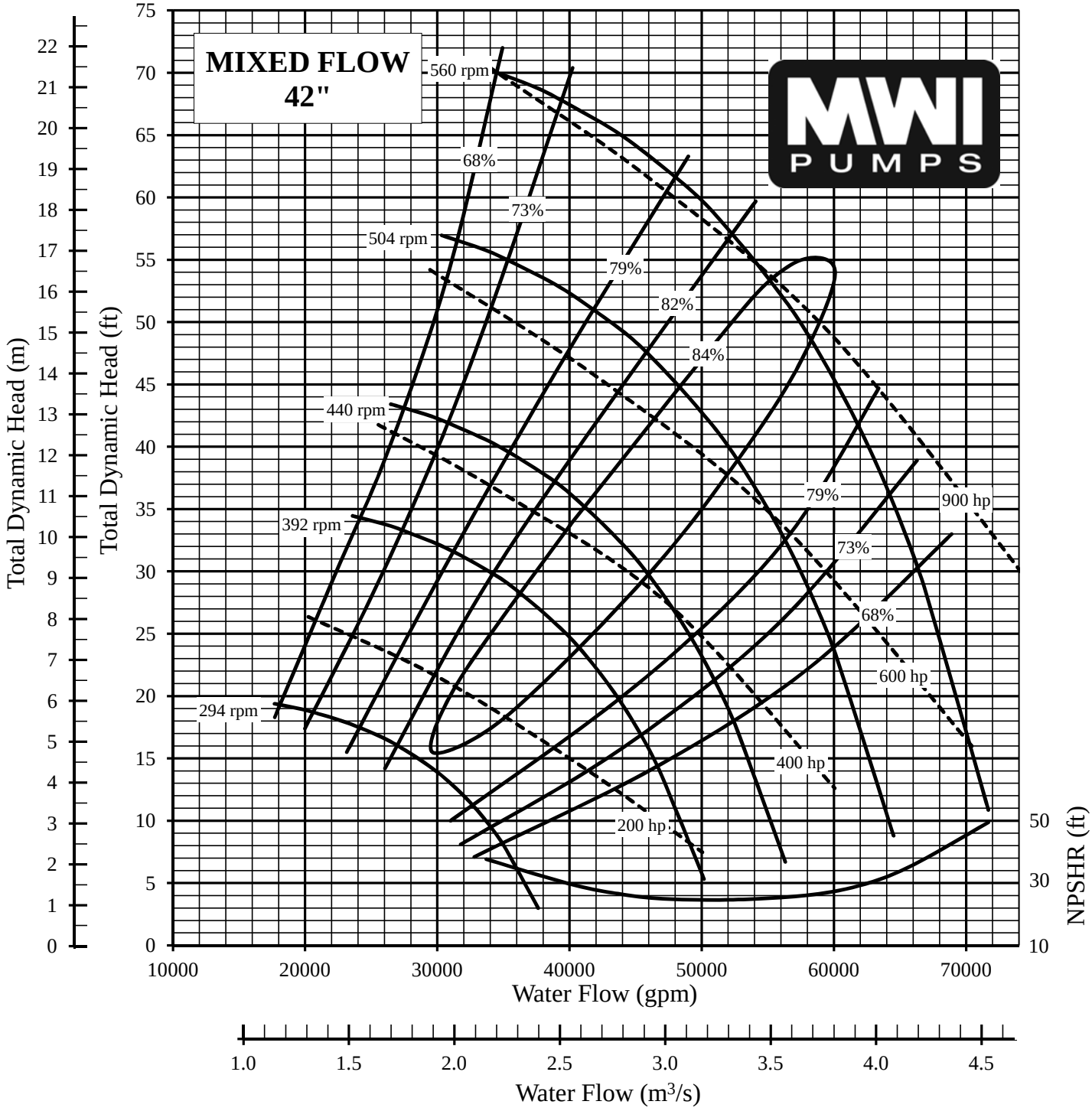

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 37"**
MODEL NO: MF 42-661400SB+	**SPEED: As Noted**
INTAKE DIA: 56"	**DISCHARGE COLUMN DIA: 42"**
CURVE NO.: N4266B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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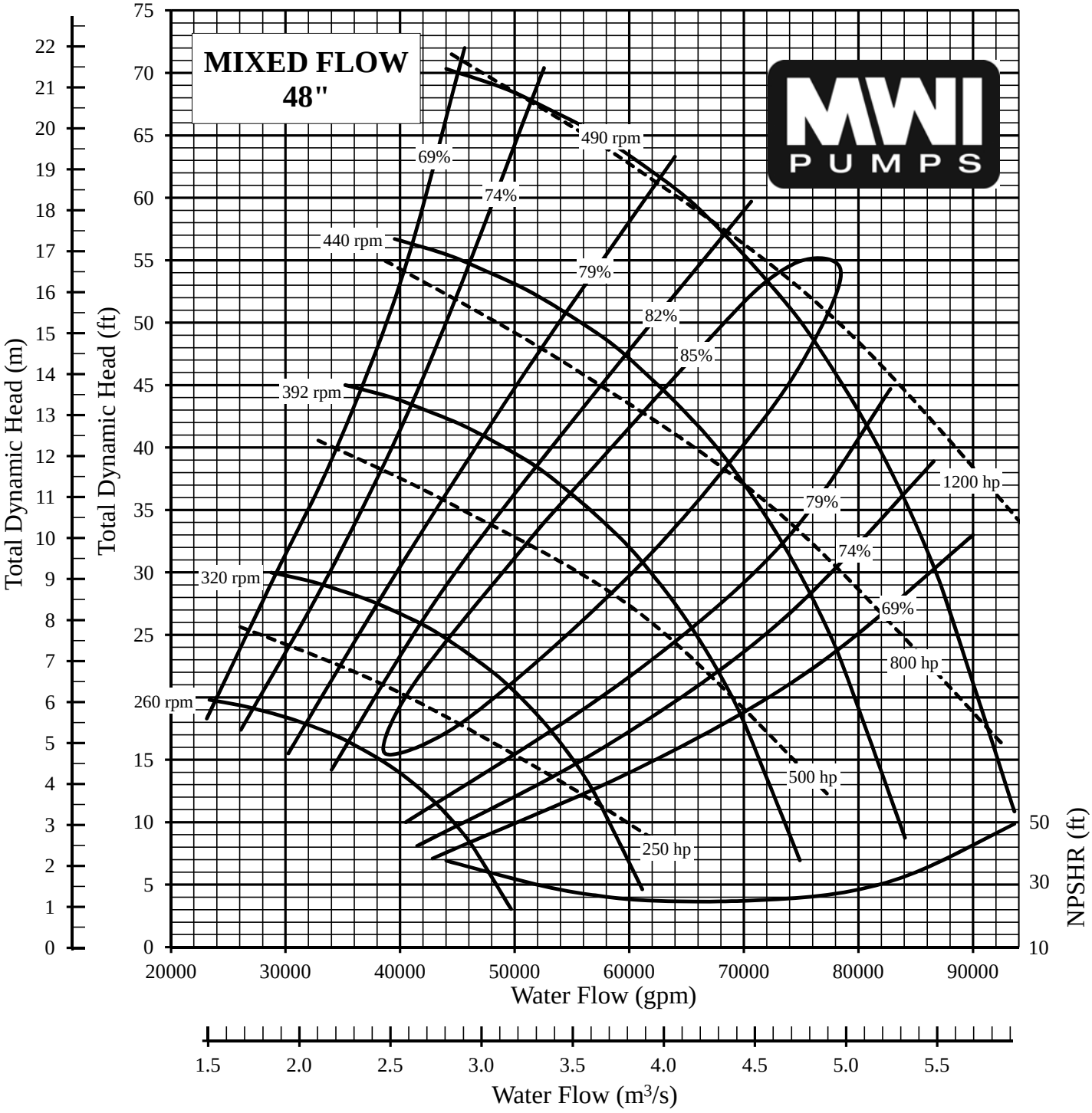

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 42.3"**
MODEL NO: MF 48-661400SB+	**SPEED: As Noted**
INTAKE DIA: 64"	**DISCHARGE COLUMN DIA: 48"**
CURVE NO.: N4866B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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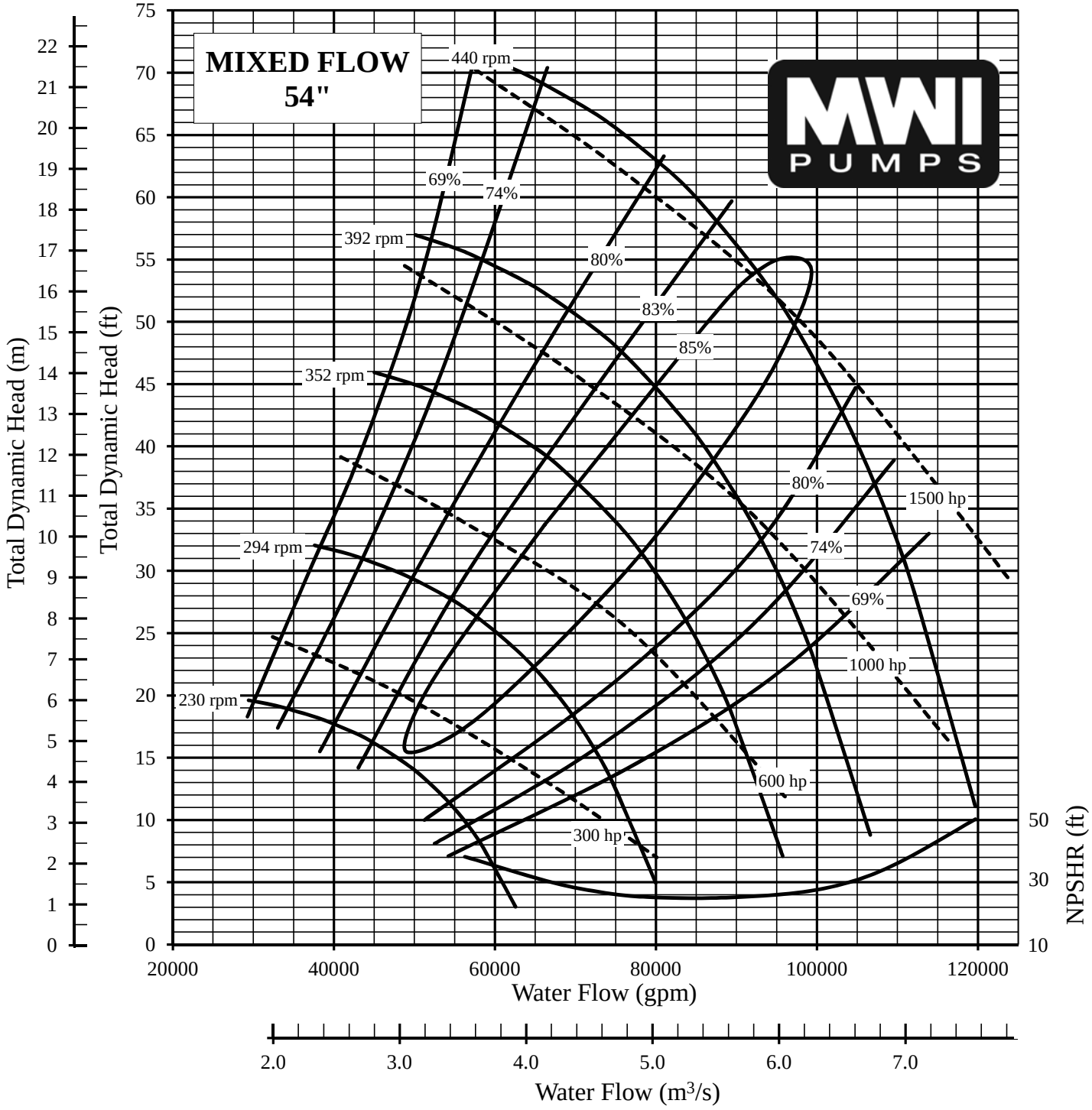

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 47.6"**
MODEL NO: MF 54-661400SB+	**SPEED: As Noted**
INTAKE DIA: 72"	**DISCHARGE COLUMN DIA: 54"**
CURVE NO.: N5466B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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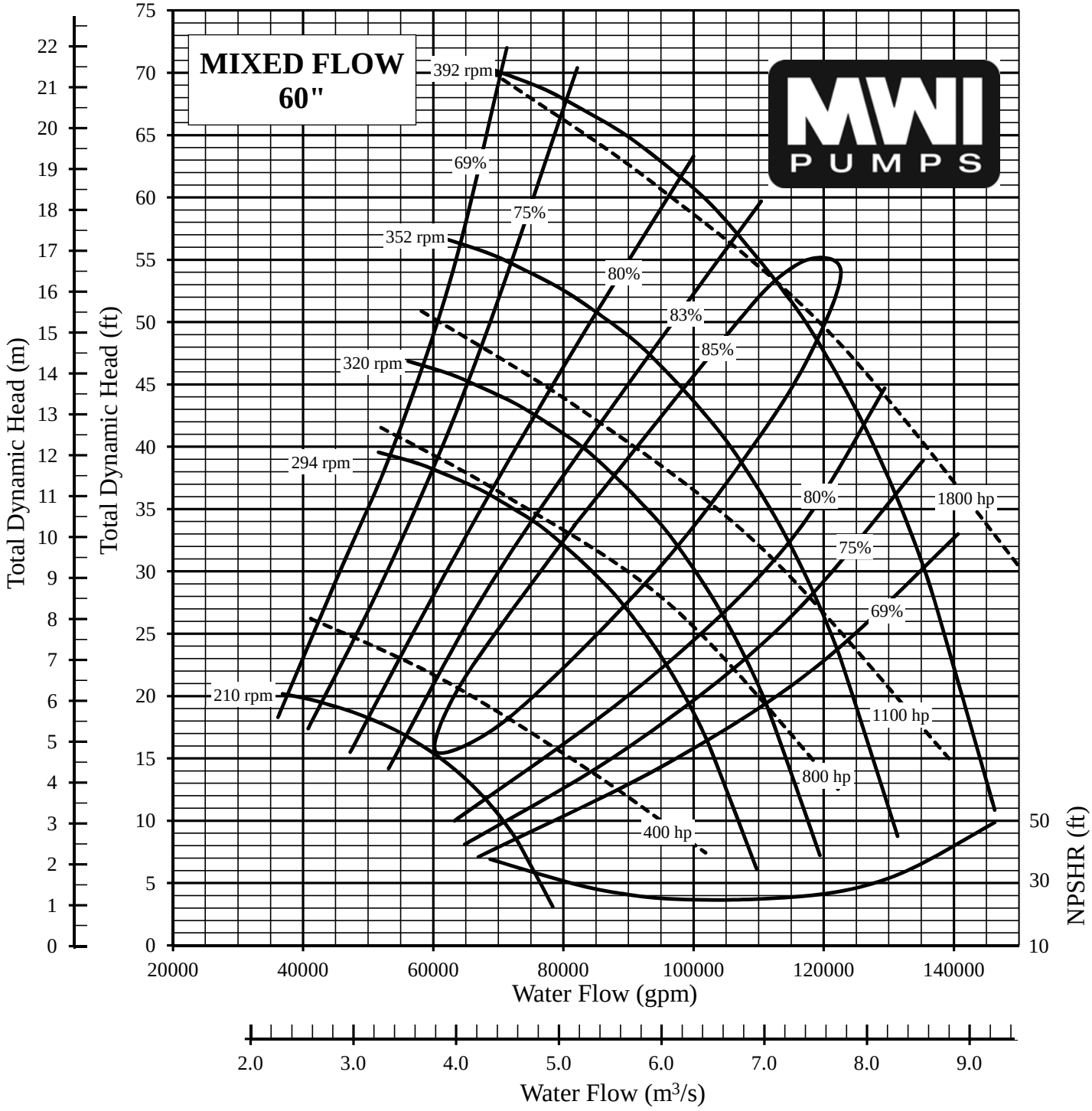

PUMP BOWL PERFORMANCE CURVE

TYPE: MIXED FLOW	**IMPELLER DIA: 52.9"**
MODEL NO: MF 60-661400SB+	**SPEED: As Noted**
INTAKE DIA: 80"	**DISCHARGE COLUMN DIA: 60"**
CURVE NO.: N6066B	**Ns: 6600 Code B**

SINGLE STAGE PERFORMANCE
FOR TWO STAGES MULTIPLY HEAD AND HORSEPOWER BY 2.0 AND EFFICIENCY BY 1.0.
PERFORMANCE IS BASED ON PUMPING CLEAR, NONAERATED WATER, WITH A SPECIFIC GRAVITY OF 1.0, TEMPERATURE 85 °F OR LESS AND AT SEA LEVEL. PUMP PERFORMANCE MAY BE AFFECTED BY HIGHER TEMPERATURES, SPECIFIC GRAVITY, ALTITUDES AND SUMP CONDITIONS.

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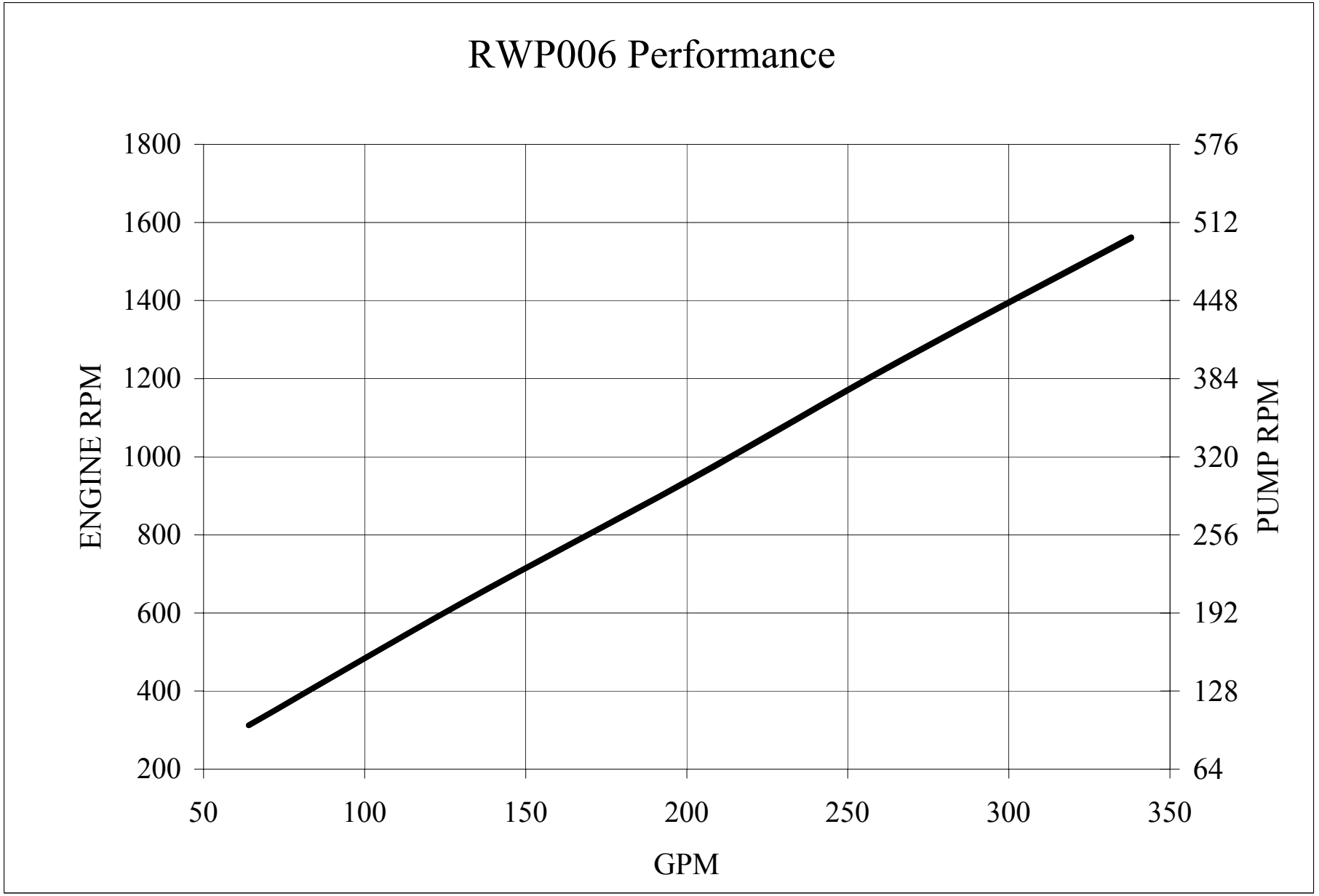
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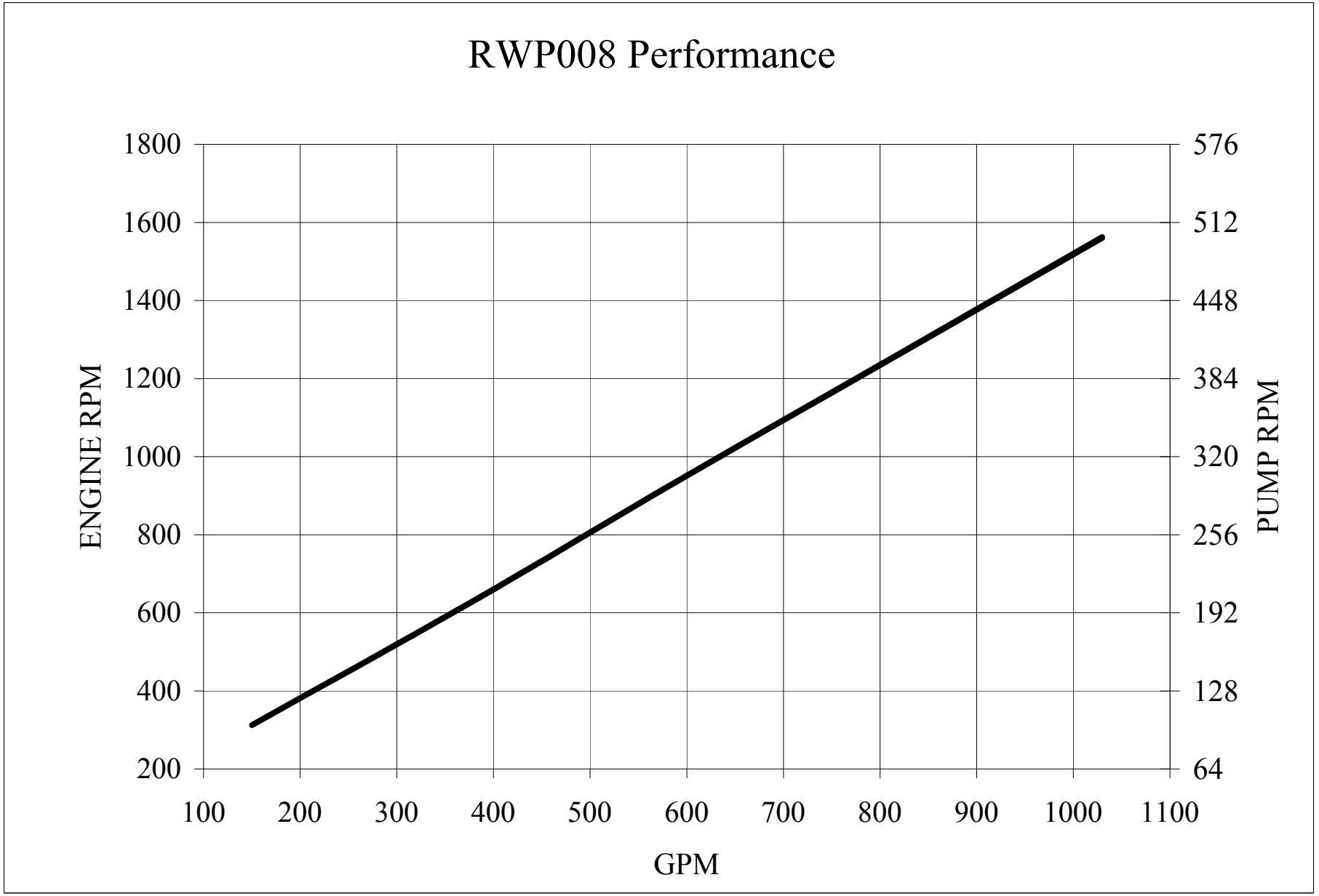
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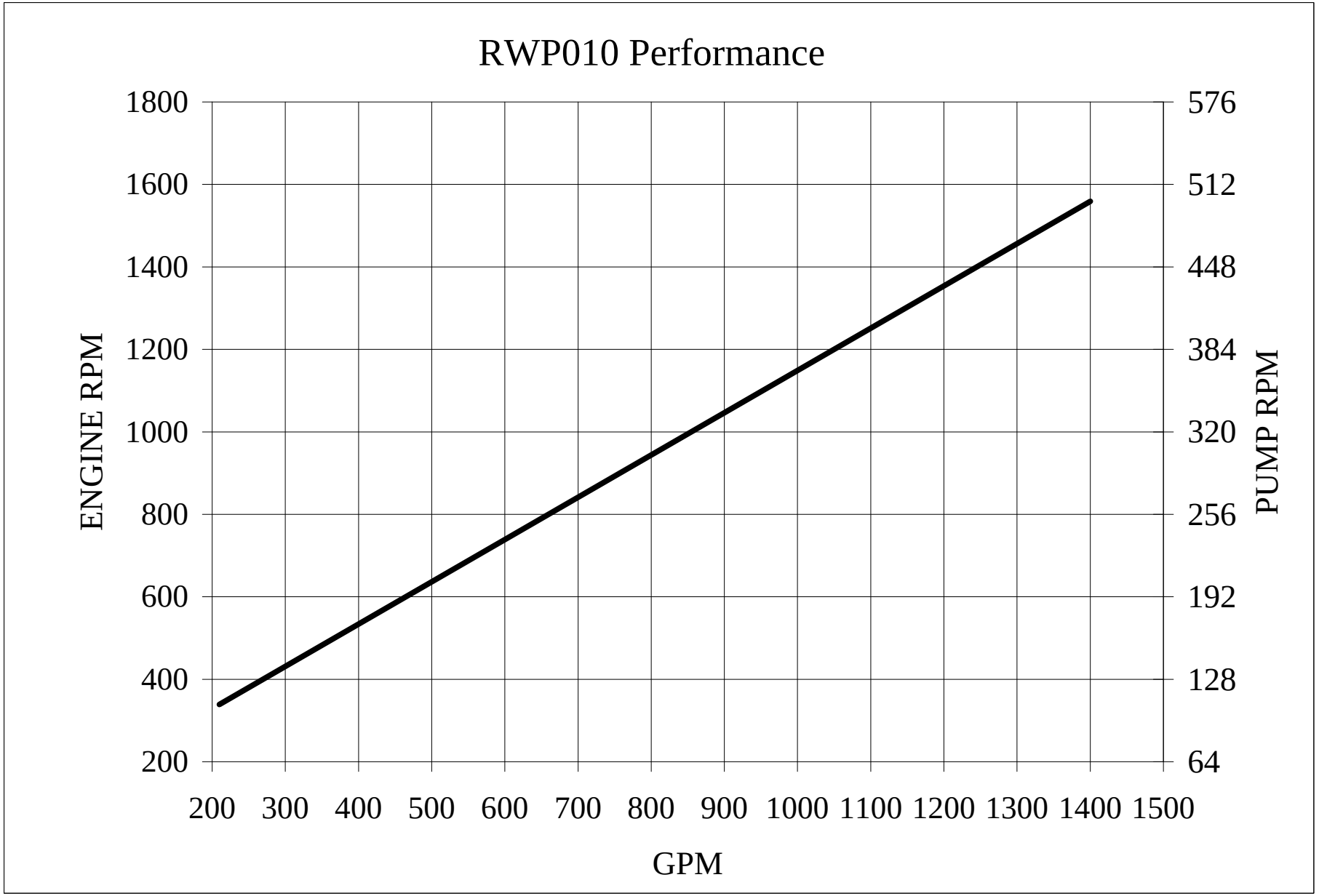
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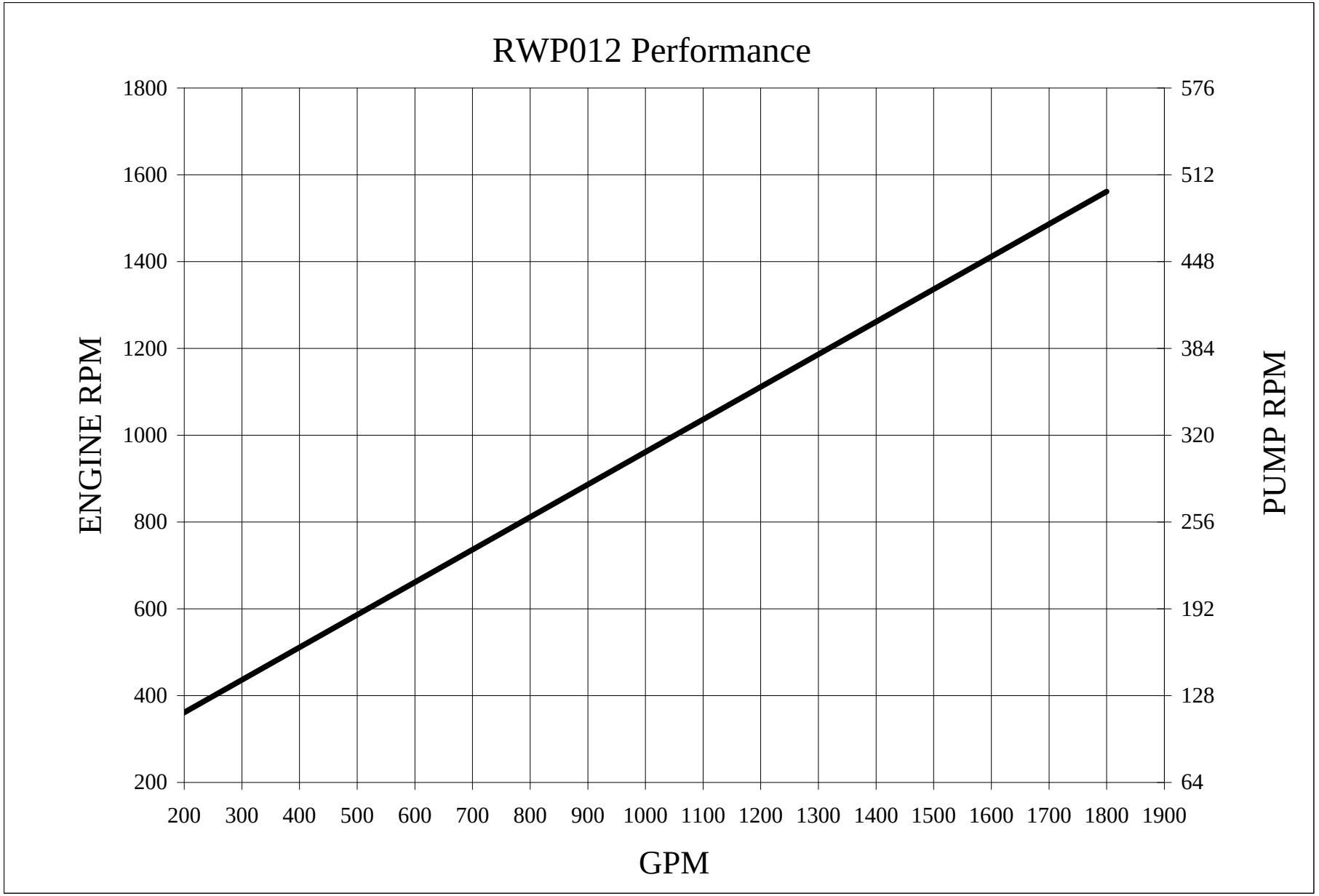
RWP012 Performance
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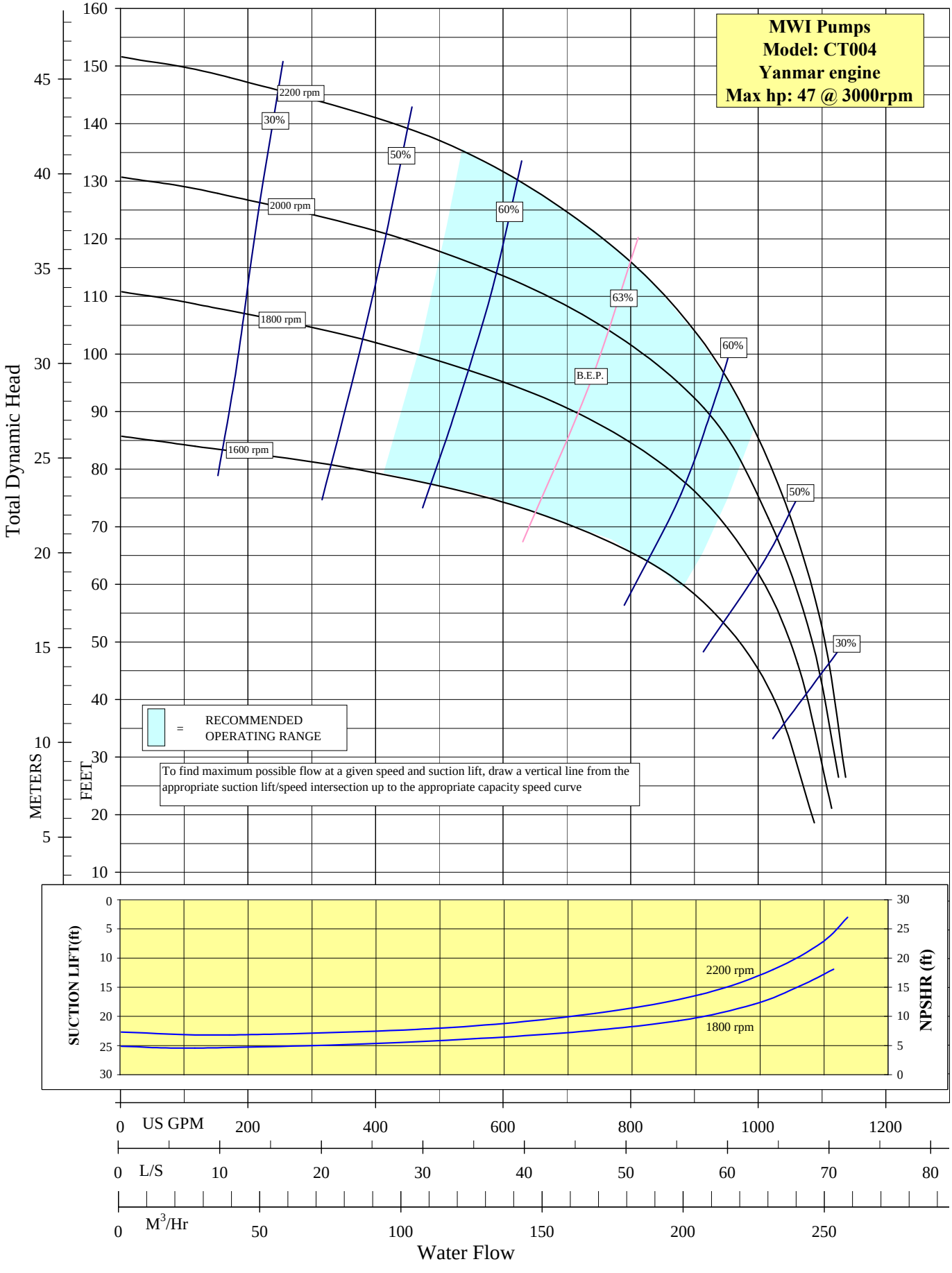
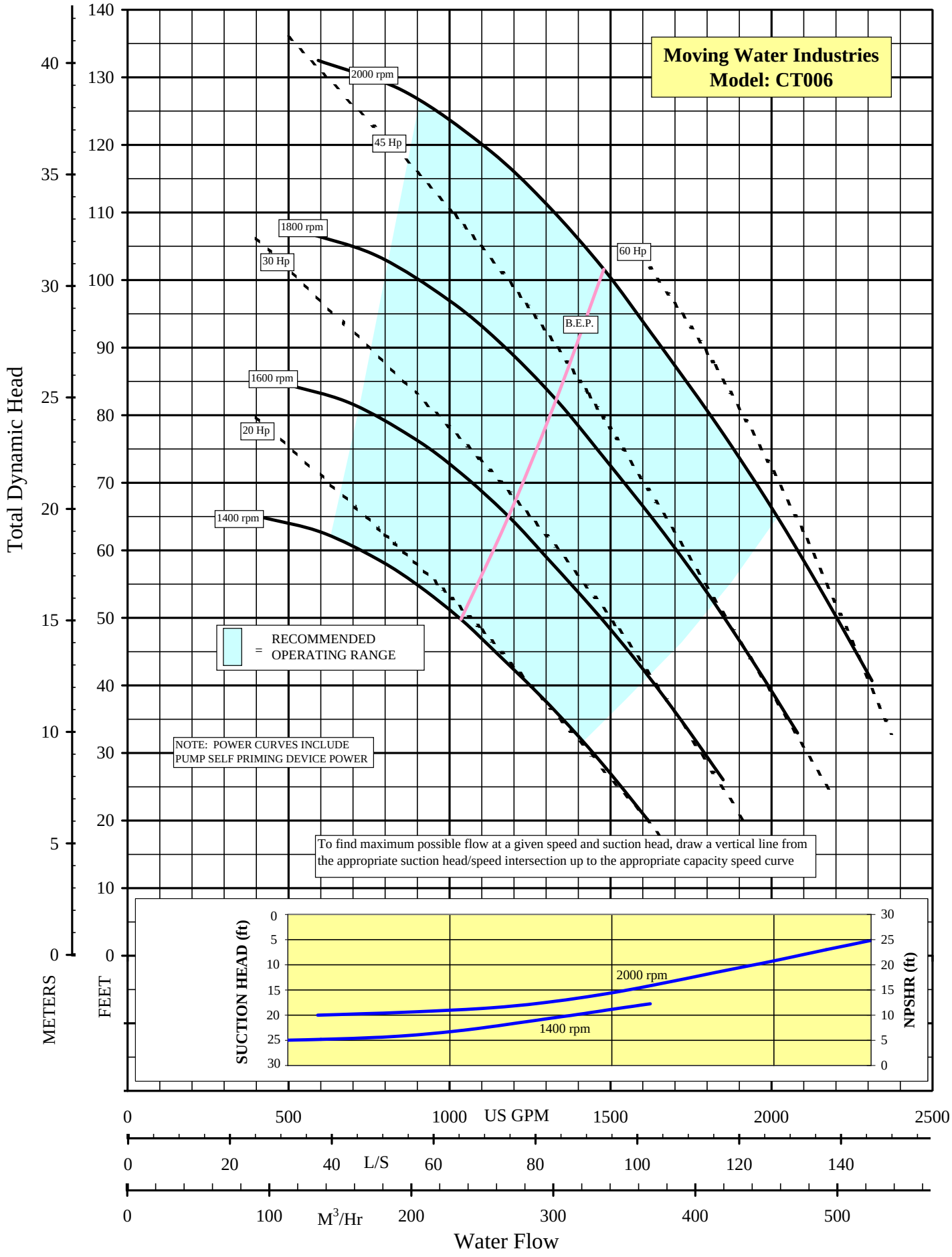
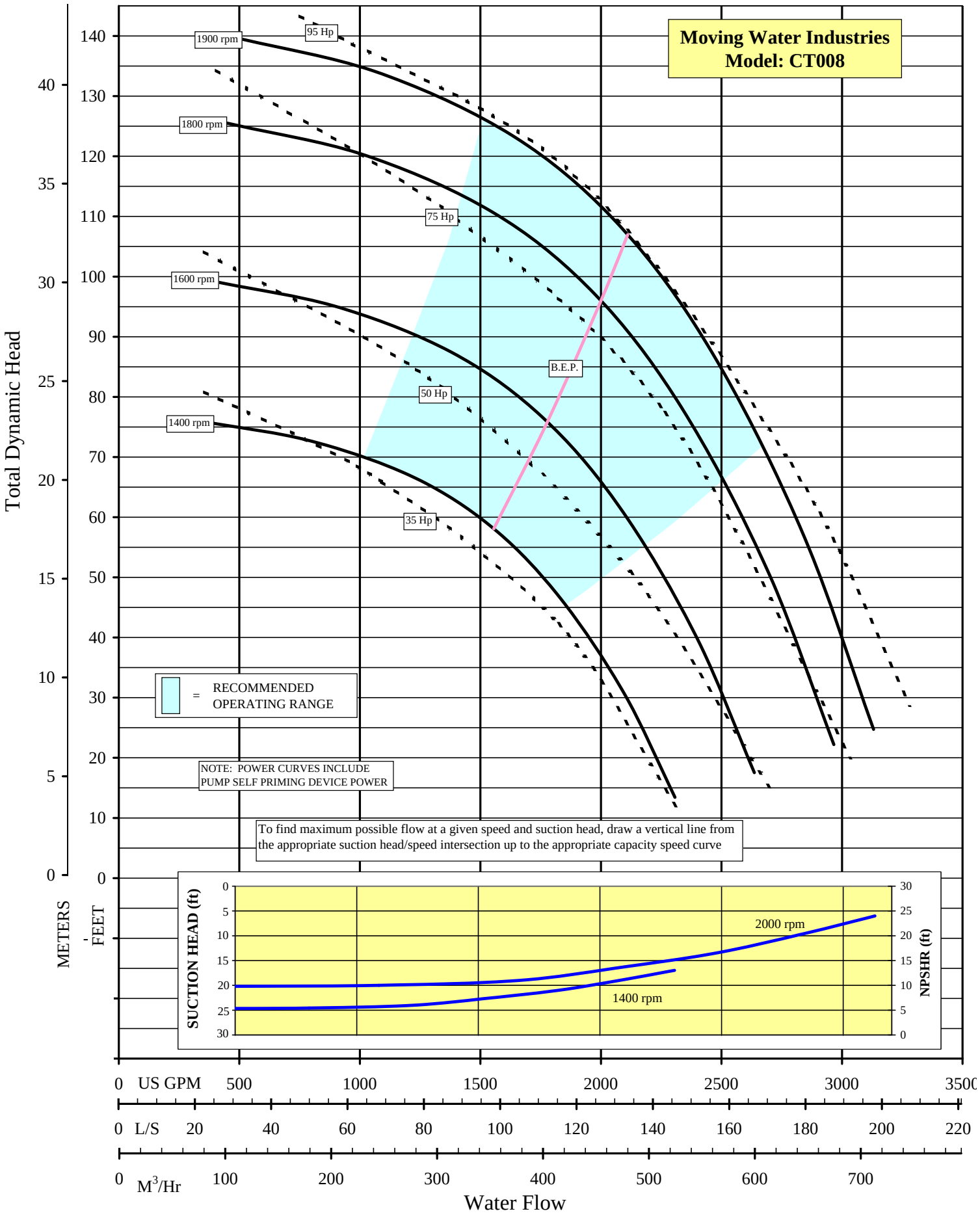
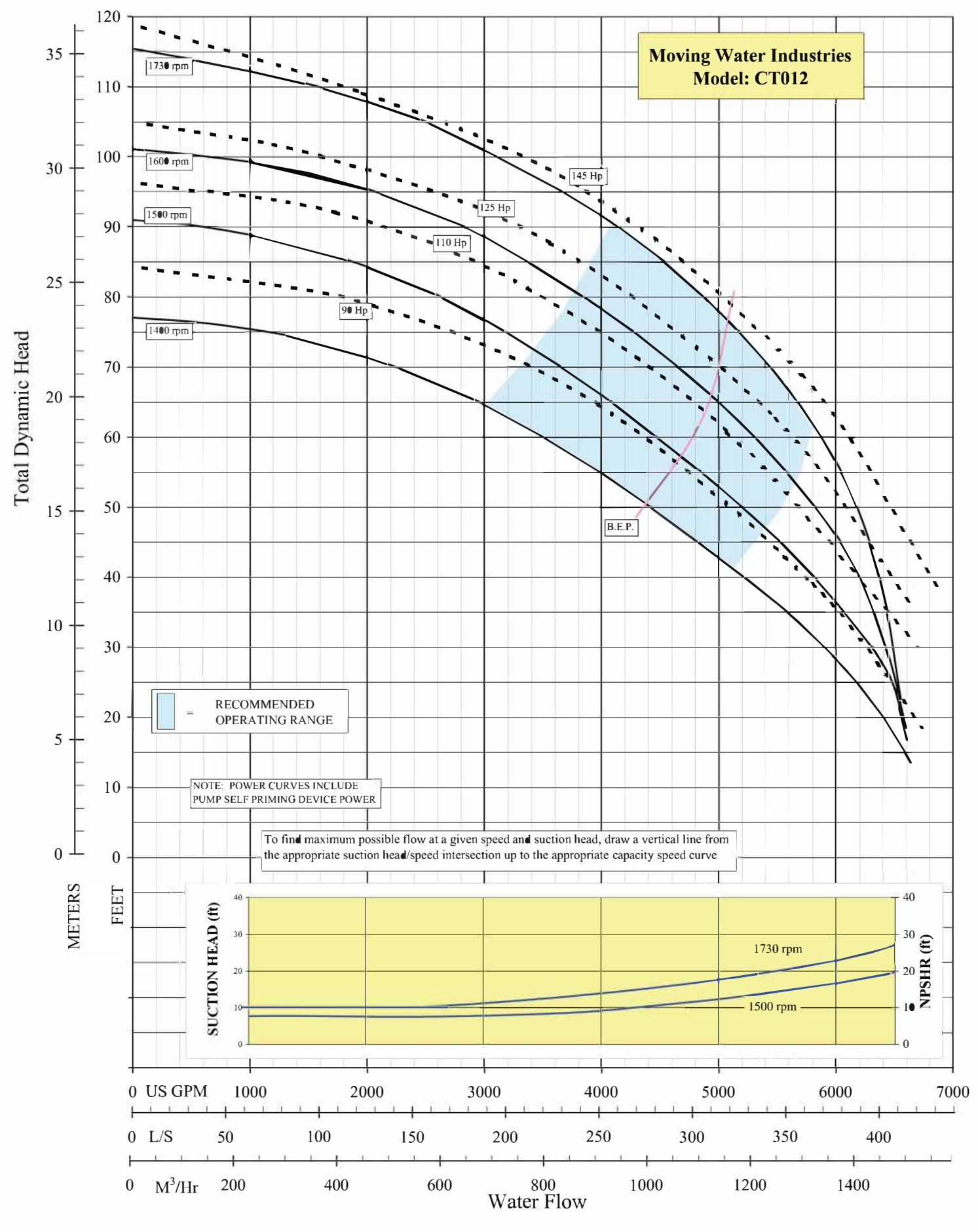
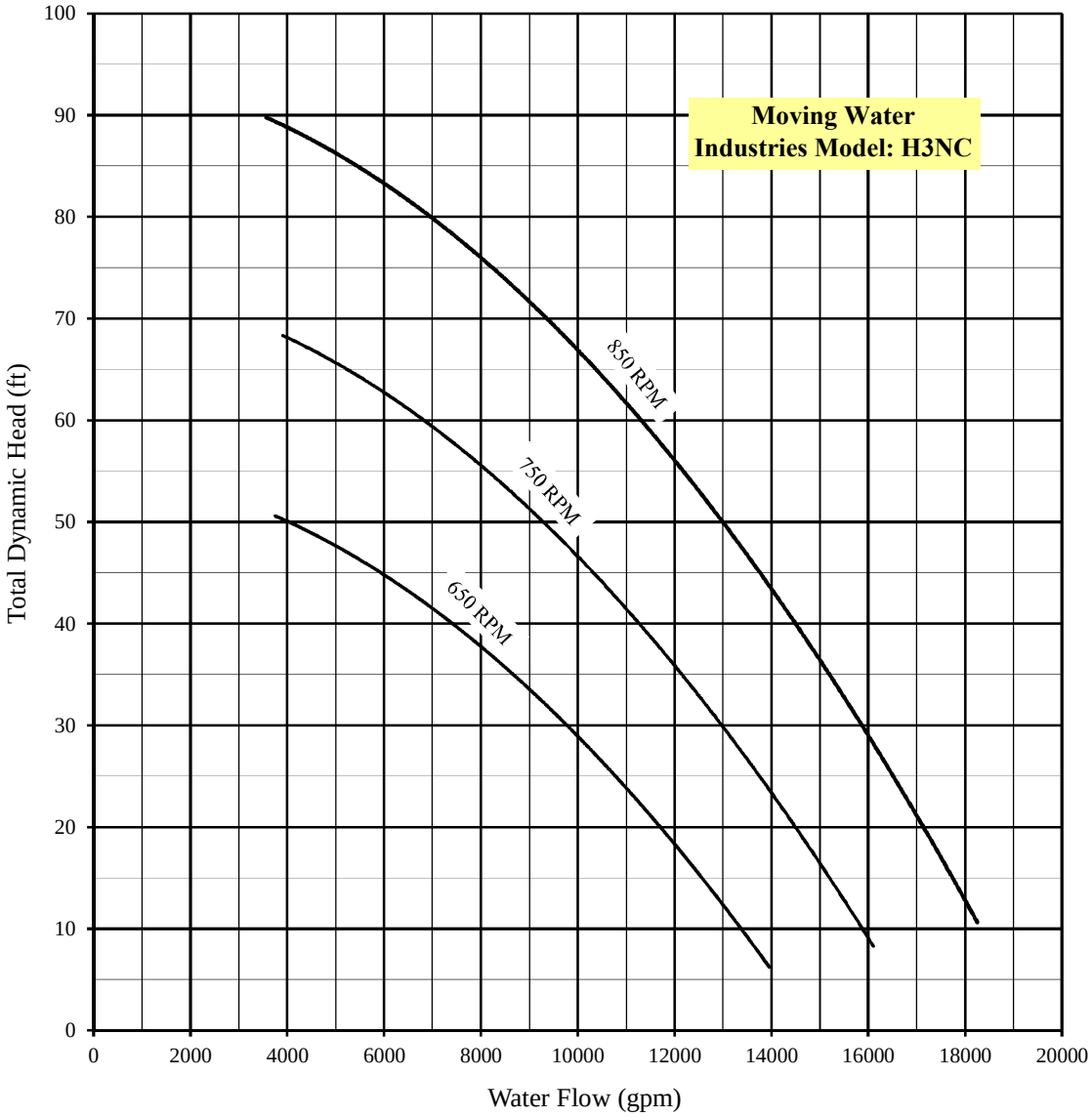
Operating Speed	Impeller Dia.	Style	No. Vanes	Volute	Solids Dia.	Ns	Suction	Discharge
1600-2200 rpm	10.24'	semi-open	3	Single	2"	1700	6"	4"




Moving Water Industries
Model: CT006
Total Dynamic Head
METERS
FEET
2000 rpm
45 Hp
1800 rpm
30 Hp
60 Hp
B.E.P.
1600 rpm
20 Hp
1400 rpm
= RECOMMENDED OPERATING RANGE
NOTE: POWER CURVES INCLUDE PUMP SELF PRIMING DEVICE POWER
To find maximum possible flow at a given speed and suction head, draw a vertical line from the appropriate suction head/speed intersection up to the appropriate capacity speed curve
SUCTION HEAD (ft)
NPSHR (ft)
2000 rpm
1400 rpm
US GPM
L/S
M3/Hr
Water Flow


Moving Water Industries
Model: CT008
1900 rpm
1800 rpm
1600 rpm
1400 rpm
95 Hp
75 Hp
50 Hp
35 Hp
B.E.P.
= RECOMMENDED OPERATING RANGE
NOTE: POWER CURVES INCLUDE PUMP SELF PRIMING DEVICE POWER
To find maximum possible flow at a given speed and suction head, draw a vertical line from the appropriate suction head/speed intersection up to the appropriate capacity speed curve
SUCTION HEAD (ft)
NPSHR (ft)
2000 rpm
1400 rpm
Total Dynamic Head
METERS
FEET
US GPM
L/S
M3/Hr
Water Flow


Moving Water Industries
Model: CT012
1730 rpm
1600 rpm
1500 rpm
1400 rpm
145 Hp
125 Hp
110 Hp
90 Hp
B.E.P.
= RECOMMENDED OPERATING RANGE
NOTE: POWER CURVES INCLUDE PUMP SELF PRIMING DEVICE POWER
To find maximum possible flow at a given speed and suction head, draw a vertical line from the appropriate suction head/speed intersection up to the appropriate capacity speed curve
SUCTION HEAD (ft)
NPSHR (ft)
1730 rpm
1500 rpm
Total Dynamic Head
METERS
FEET
0 US GPM 1000 2000 3000 4000 5000 6000 7000
0 L/S 50 100 150 200 250 300 350 400
0 M3/Hr 200 400 600 800 1000 1200 1400
Water Flow


Moving Water
Industries Model: H3NC
850 RPM
750 RPM
650 RPM
Total Dynamic Head (ft)
Water Flow (gpm)
0
10
20
30
40
50
60
70
80
90
100
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000