



HIGH EFFICIENCY VERTICAL TURBINE

High Profile Discharge Head

- Standard Ductile Iron or Fabricated Construction
- Air release ports at top of discharge flange
- Machined for multiple size motor bases
- Optional Stainless Steel packing box available
- Oil Lube & Product Lube Designs

Flows: 50 gpm - 15,000 gpm

Total Dynamic Head: 0 - 1,800 feet

Settings: Shallow sumps to 1,000 feet

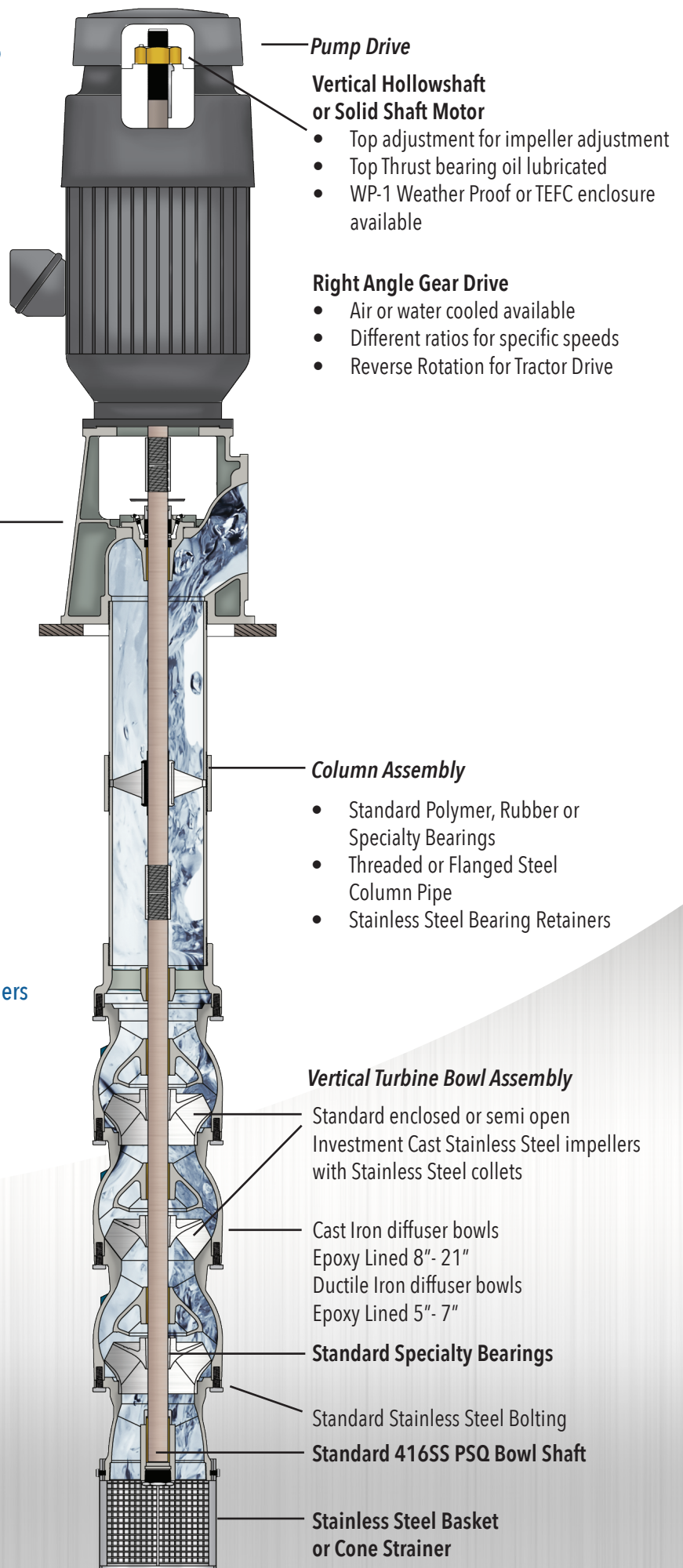
Complete Floating Platform Design Options

STANDARD FEATURES:

- Standard Stainless Steel Investment Cast Impellers
- Standard Ductile Iron Discharge Heads
- Standard all Stainless Steel Bolting & Collets
- Standard Specialty Bearings

NP&P offers all stainless steel construction options.

Also offered are ductile iron, long lateral, double bolted pumps for deep set installation.





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

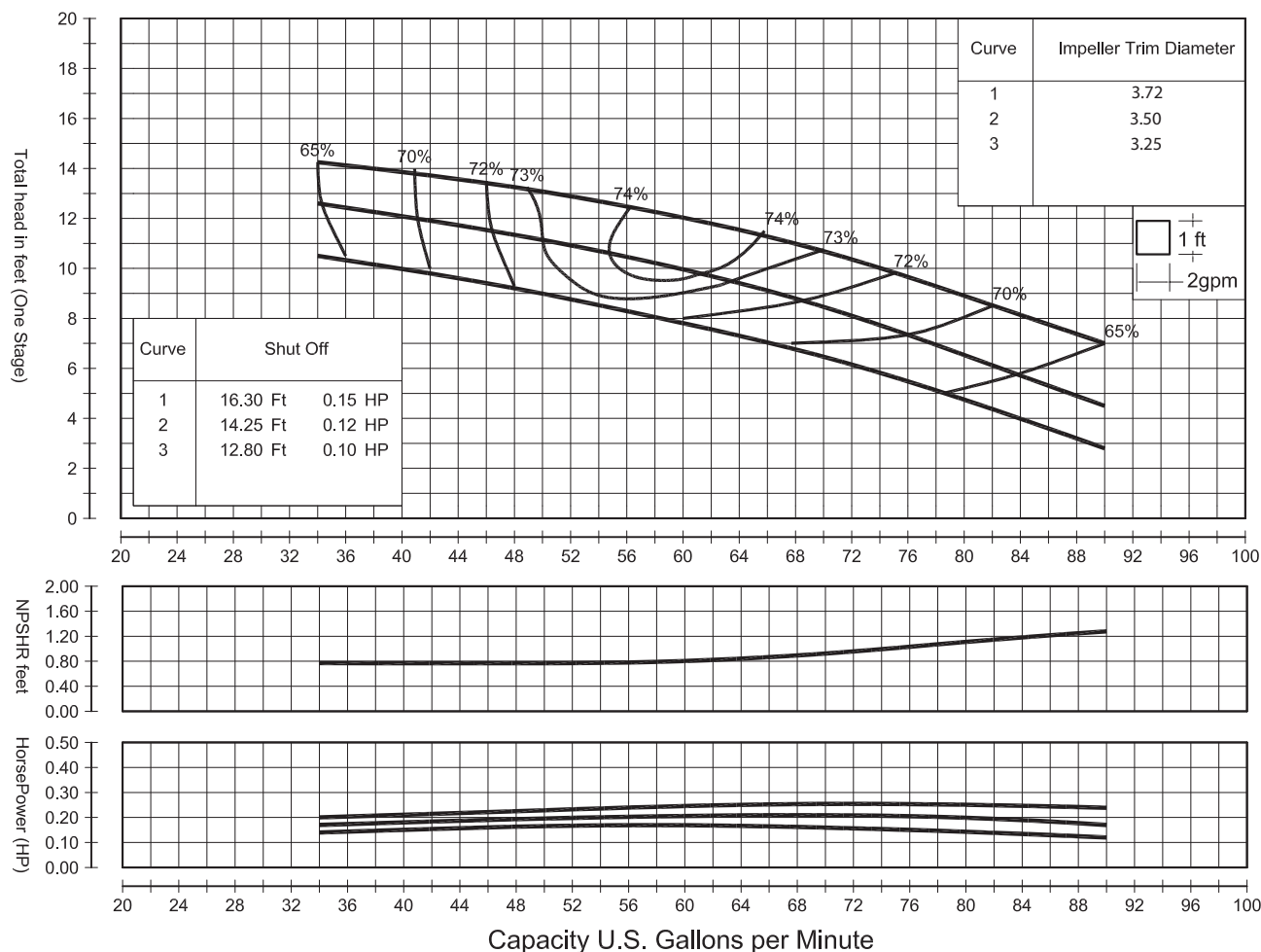
PROJECT:

MODEL

NPP5LL

RPM

1770

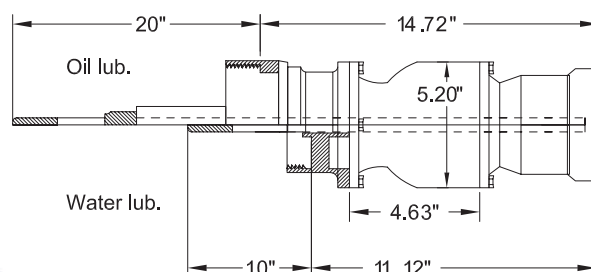


Std. Shaft Diameter	1.00"	Impeller WT- LB	2.0
Max. Shaft Diameter	1.00"	One Stage WR ² LB-FT ²	.030
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.250"	Impeller No.	TCWDBDC
Discharge Sizes	3",4"	Max. Sphere Size	0.22
Suction Sizes	4"	K-Factor, Max.- IW ft	1.2
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	480
One Stage Water Lube WT-LB	35.0	Min. Submergence	11.0
One Stage Oil Lube WT-LB	52.6	Impeller Eye Area IN ²	3.08
Add. Stage WT- LB	13.0	Specific Speed	2140

Stages	Efficiency Correction
1	- 4.00
2	- 3.00
3	- 1.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 3"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

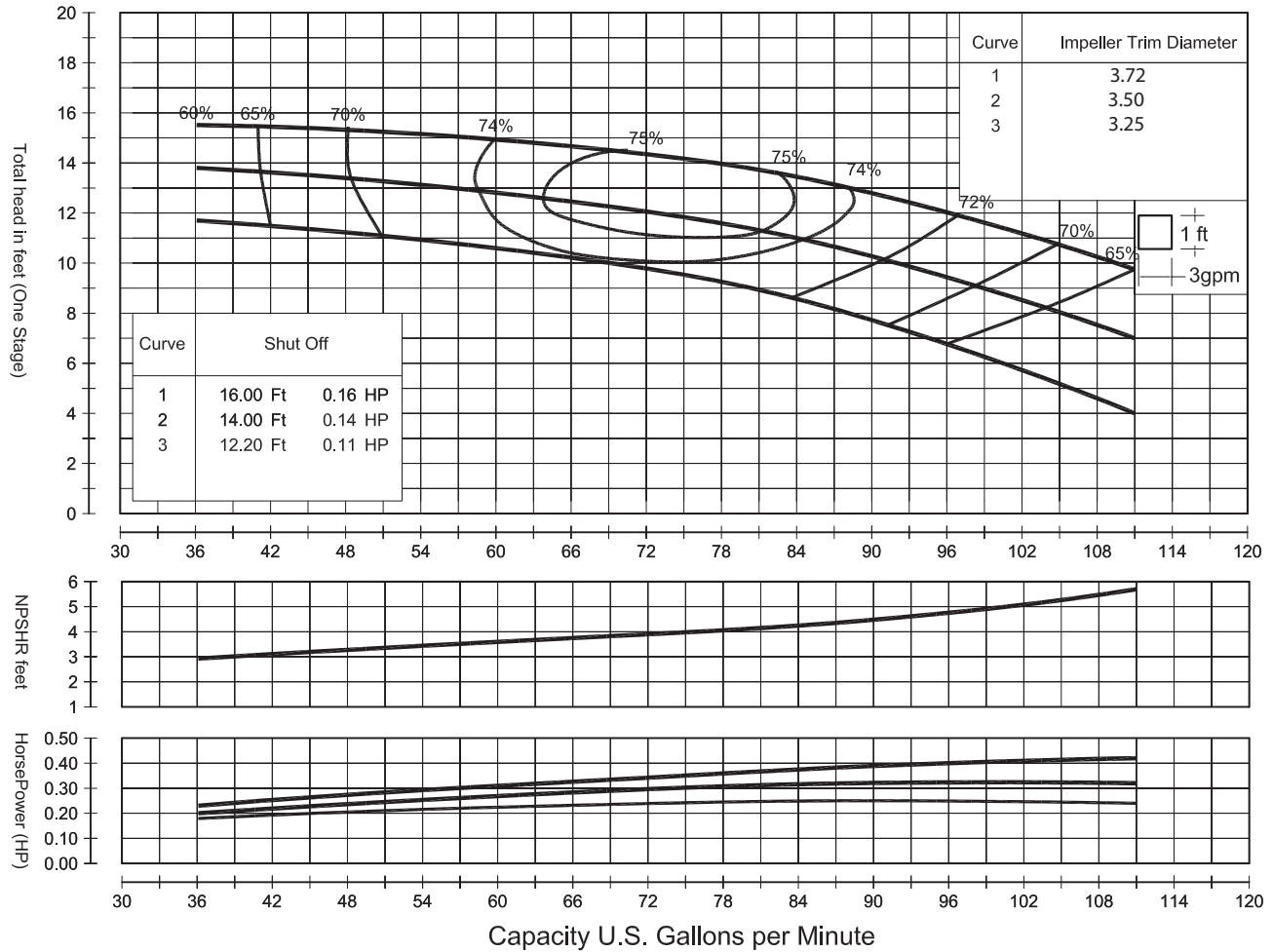
MODEL

NPP5LH

END USER:

PROJECT:

RPM
1770

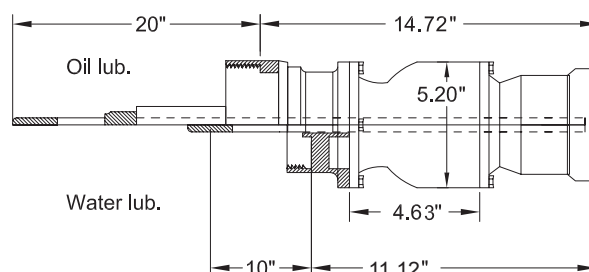


Std. Shaft Diameter	1.00"	Impeller WT- LB	2.00
Max. Shaft Diameter	1.00"	One Stage WR ² LB-FT ²	.030
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.250"	Impeller No.	TCWDDDC
Discharge Sizes	3",4"	Max. Sphere Size	0.22"
Suction Sizes	4"	K-Factor, Max.	1.2
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	480
One Stage Water Lube WT-LB	35.0	Min. Submergence	11.0
One Stage Oil Lube WT-LB	52.6	Impeller Eye Area IN ²	3.08
Add. Stage WT- LB	13.0	Specific Speed	2182

Stages	Efficiency Correction
1	- 4.00
2	- 3.00
3	- 1.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 3"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

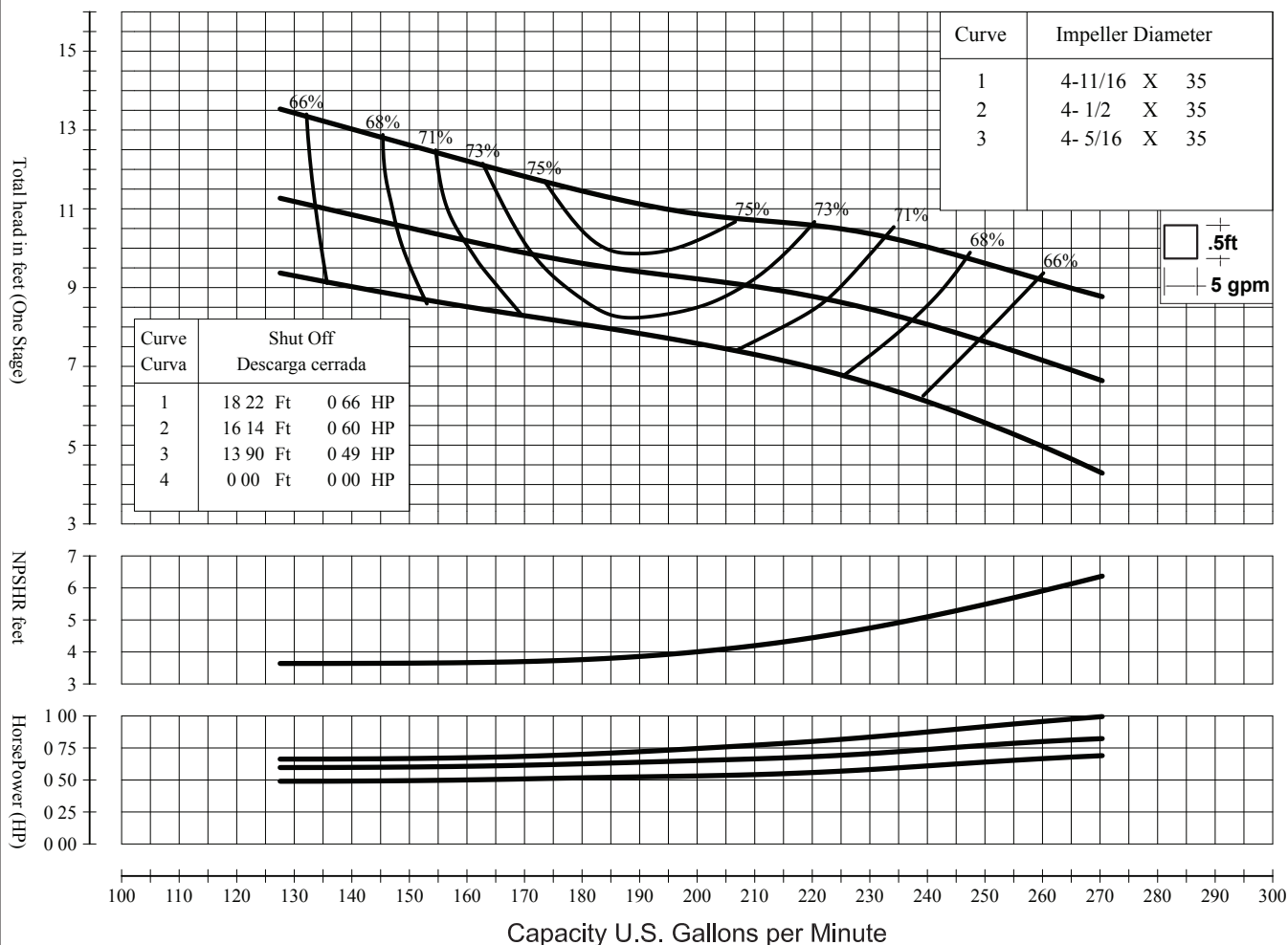
NPP6HL

END USER:

PROJECT:

RPM

1760

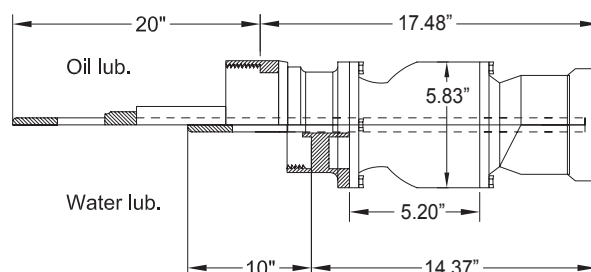


Std. Shaft Diameter	1.000"	Impeller WT- LB	2.65
Max. Shaft Diameter	1.000"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.375"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCH1423
Discharge Sizes	4"	Max. Sphere Size	.500"
Suction Sizes	4"	K-Factor, Max.	4.1
One Stage Subm. WT-LB	75.0	Max. Operating P.S.I	360
One Stage Water Lube WT-LB	75.0	Min. Submergence	20"
One Stage Oil Lube WT-LB	95.0	Impeller Eye Area IN ²	6.88
Add. Stage WT- LB	15.0	Specific Speed	4060

Stages	Efficiency Correction
1	-4
2	-2
3	-1
4	0

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

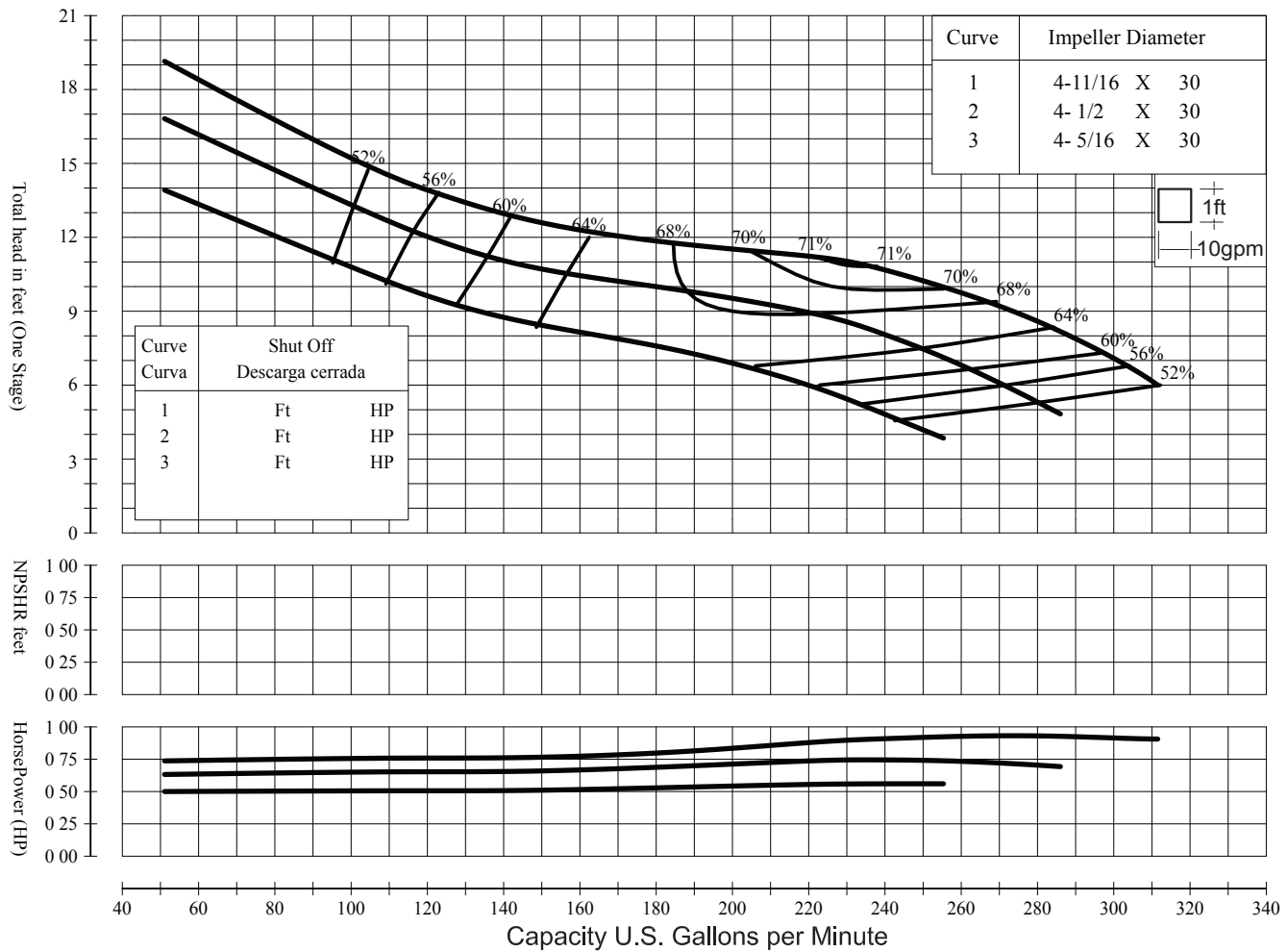
EFFIC.

MODEL
NPP6HH

END USER:

PROJECT:

RPM
1760

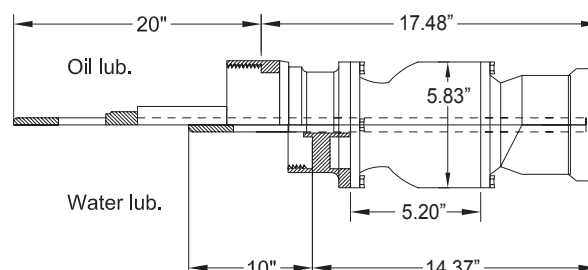


Std. Shaft Diameter	1.000"	Impeller WT- LB	2.65
Max. Shaft Diameter	1.000"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.375"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCH1423
Discharge Sizes	4"	Max. Sphere Size	.500"
Suction Sizes	4"	K-Factor, Max.	4.1
One Stage Subm. WT-LB	75.0	Max. Operating P.S.I	360
One Stage Water Lube WT-LB	75.0	Min. Submergence	20"
One Stage Oil Lube WT-LB	95.0	Impeller Eye Area IN ²	6.88
Add. Stage WT- LB	15.0	Specific Speed	4060

Stages	Efficiency Correction
1	-4
2	-2
3	-1
4	0

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

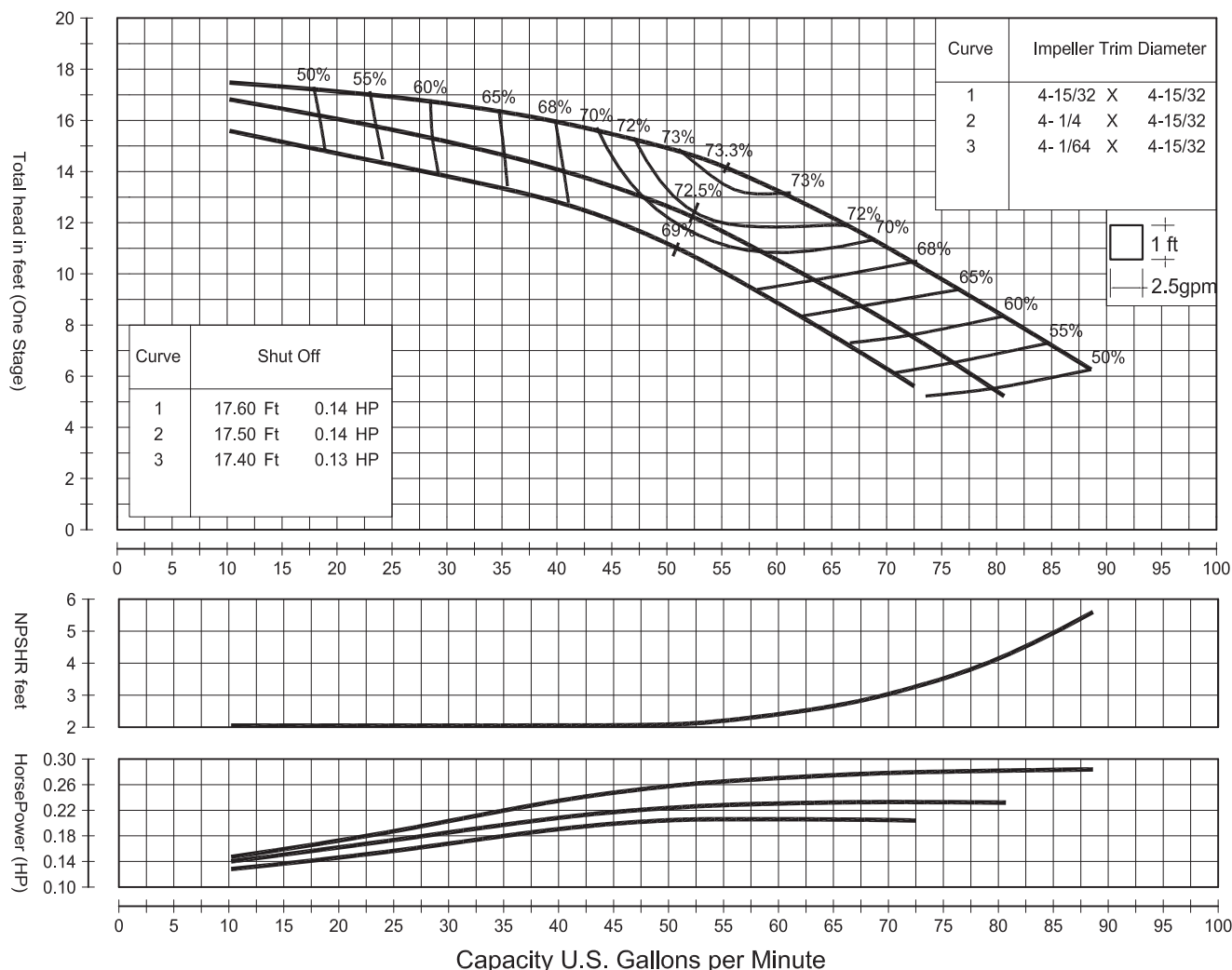
PROJECT:

MODEL

NPP6LL

RPM

1760



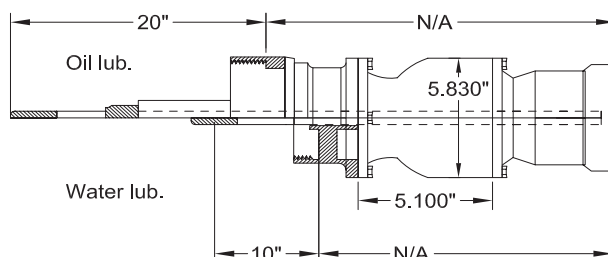
CHARACTERISTICS BASED UPON PUMPING CLEAR, NON-AERATED WATER RATING POINT ONLY IS GUARANTEED COLUMN LOSSES NOT INCLUDED

Std. Shaft Diameter	.750"	Impeller WT- LB	2.200
Max. Shaft Diameter	.875"	One Stage WR ² LB-FT ²	5.850
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCL1413
Discharge Sizes	4"	Max. Sphere Size	.250"
Suction Sizes	4"	K-Factor, Max.	1.5
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	627
One Stage Water Lube WT-LB	N/A	Min. Submergence	9"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	3.375
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 3.00
3	- 2.00
4	- 1.00
Based Std. Mt'l's	- 3.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

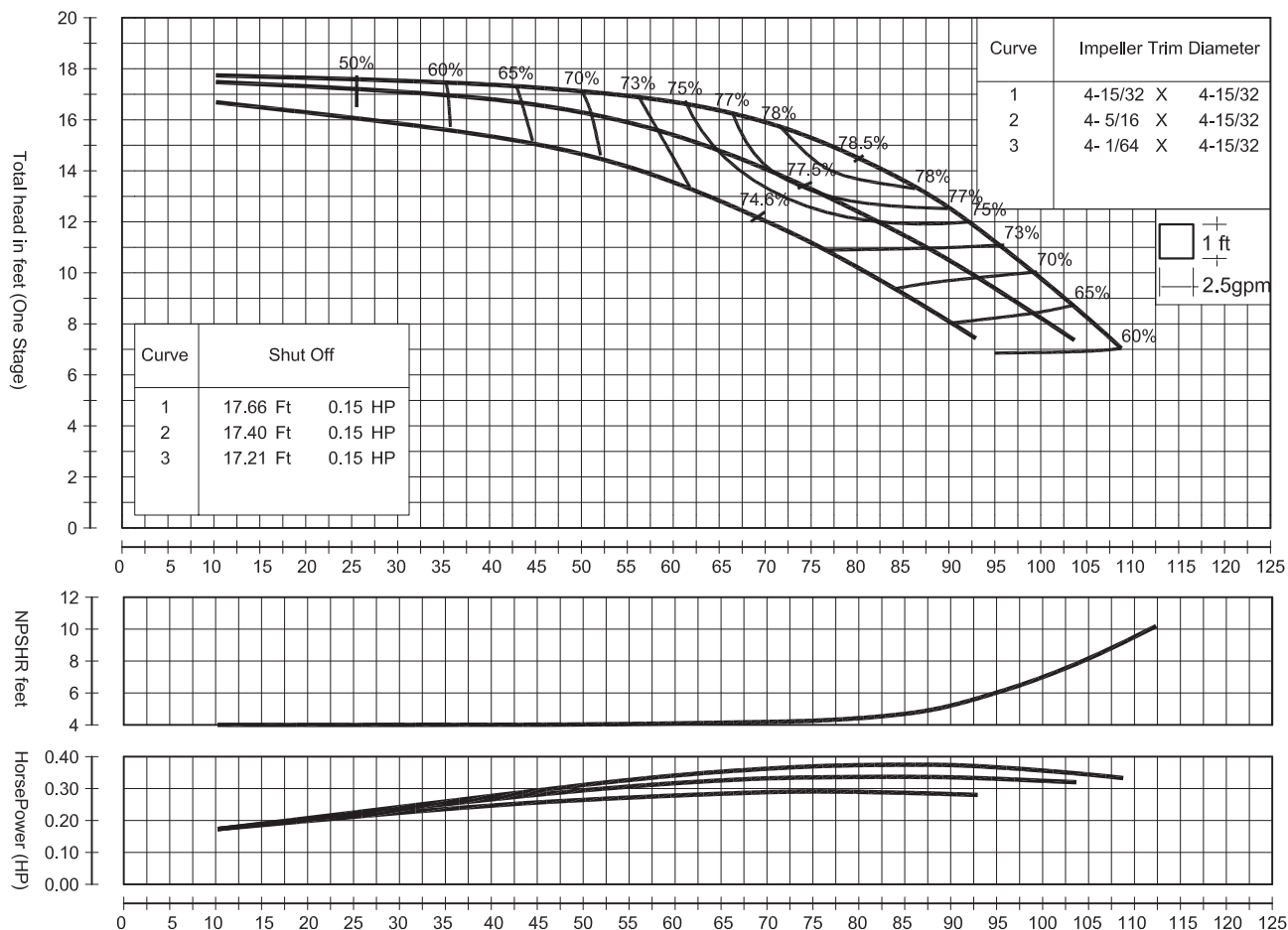
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END USER:

PROJECT:

RPM

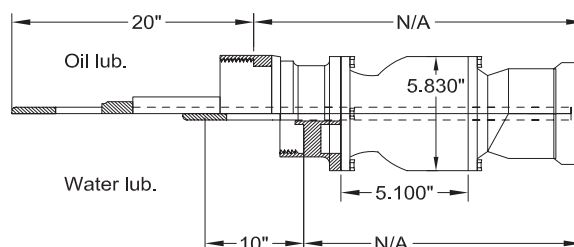
1760



CHARACTERISTICS BASED UPON PUMPING CLEAR, NON-AERATED WATER RATING POINT ONLY IS GUARANTEED COLUMN LOSSES NOT INCLUDED

Std. Shaft Diameter	.750"	Impeller WT- LB	N/A	Stages	Efficiency Correction
Max. Shaft Diameter	.875"	One Stage WR ² LB-FT ²	5.850	1	- 4.00
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED	2	- 3.00
Max. Lateral Setting	.750"	Impeller No.	TCL1423	3	- 2.50
Discharge Sizes	4"	Max. Sphere Size	.125"	4	- 2.00
Suction Sizes	4"	K-Factor, Max.	1.5	Based Std. Mtl's	- 3.00
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	627	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
One Stage Water Lube WT-LB	N/A	Min. Submergence	9"		
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area	IN ²		
Add. Stage WT- LB	N/A	Specific Speed	N/A		

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

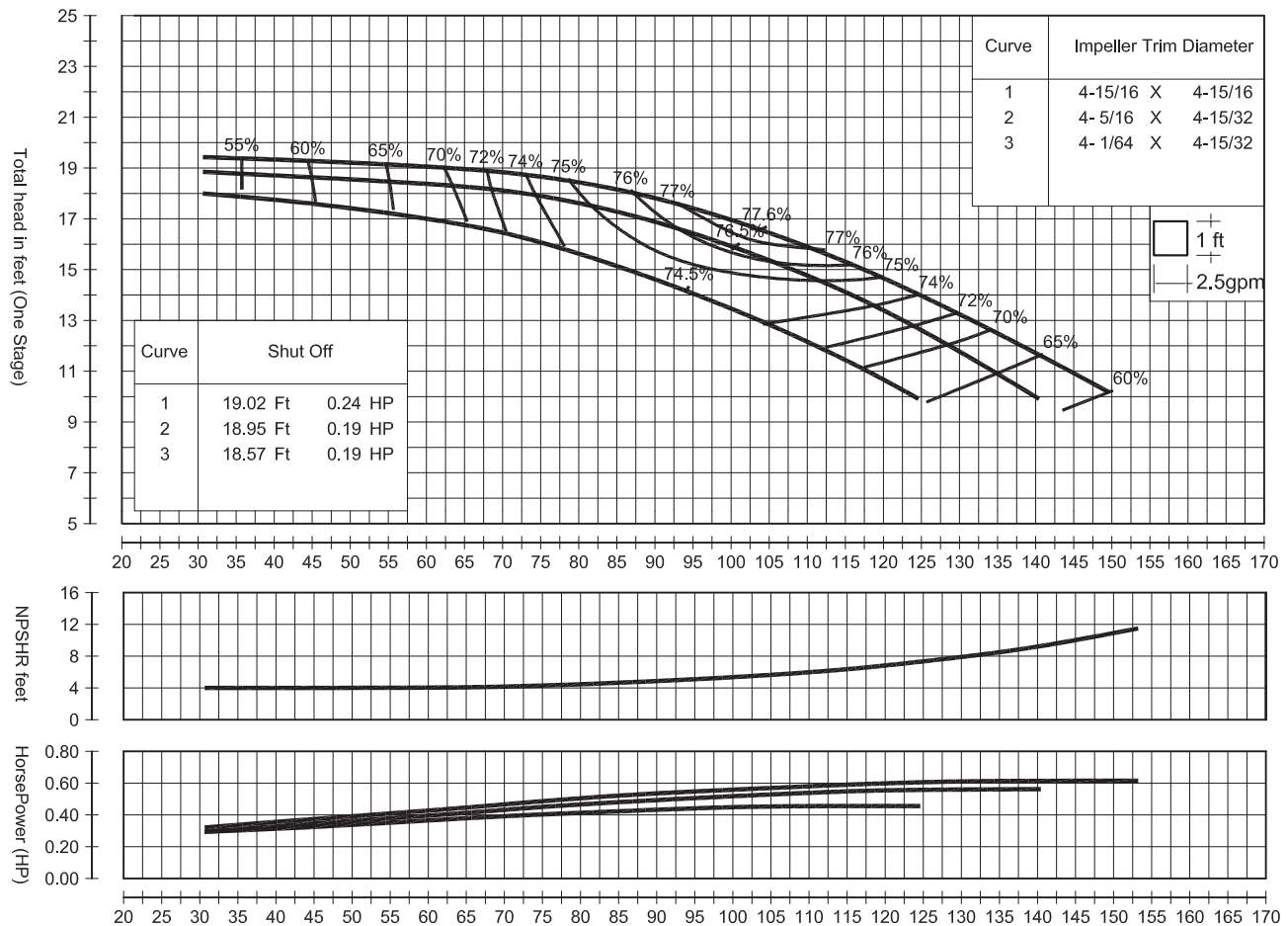
PROJECT:

MODEL

NPP6LH

RPM

1760

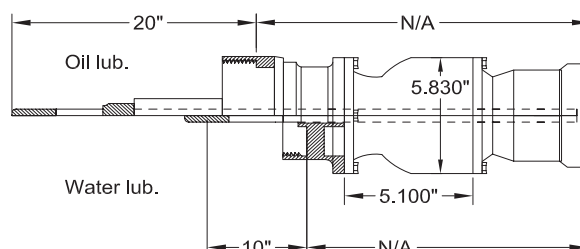


Std. Shaft Diameter	.750"	Impeller WT- LB	2.860
Max. Shaft Diameter	.875"	One Stage WR ² LB-FT ²	5.850
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCL1433
Discharge Sizes	4"	Max. Sphere Size	.125"
Suction Sizes	4"	K-Factor, Max.	1.5
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	627
One Stage Water Lube WT-LB	N/A	Min. Submergence	9"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	3.375
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 3.00
3	- 2.50
4	- 2.00
Based Std. Mt's	- 3.00

Characteristics based upon pumply clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

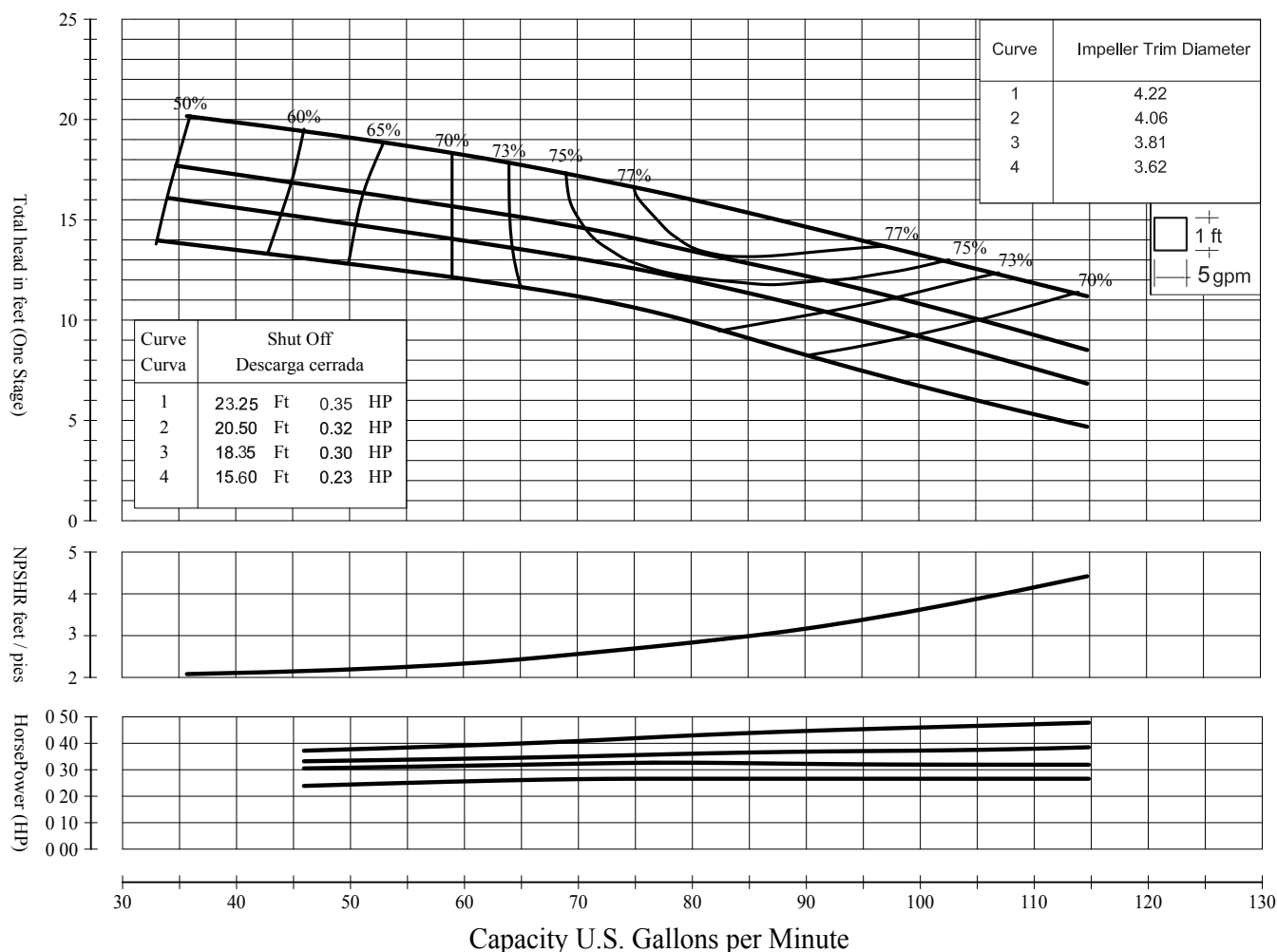
PROJECT:

MODEL

NPP6ML

RPM

1750



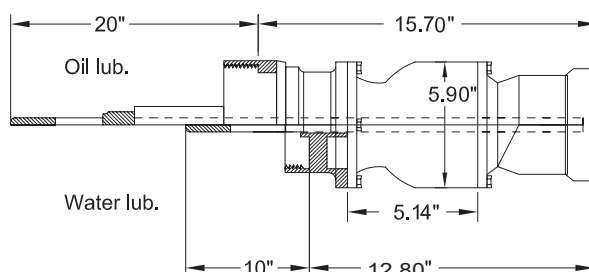
Std. Shaft Diameter	1.00"	Impeller WT- LB	2.3
Max. Shaft Diameter	1.00"	One Stage WR ² LB-FT ²	.070
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.250"	Impeller No.	TCWDADC
Discharge Sizes	3",4"	Max. Sphere Size	0.22"
Suction Sizes	4"	K-Factor, Max. LB/Ft	2.1
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	420
One Stage Water Lube WT-LB	42.0	Min. Submergence	14.0
One Stage Oil Lube WT-LB	57.3	Impeller Eye Area IN ²	4.050
Add. Stage WT- LB	17.6	Specific Speed	2100

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 4"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

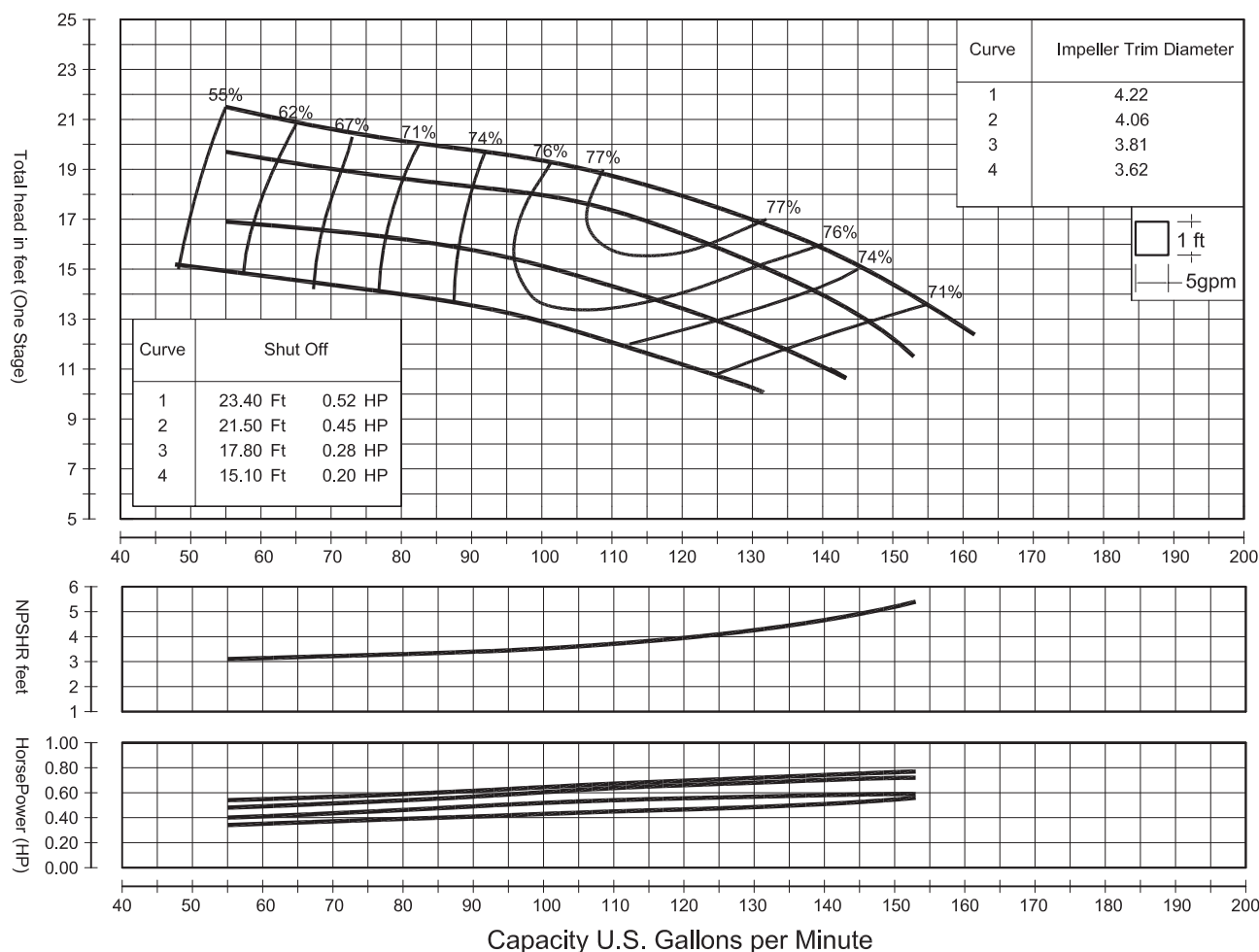
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP6MH

RPM
1750



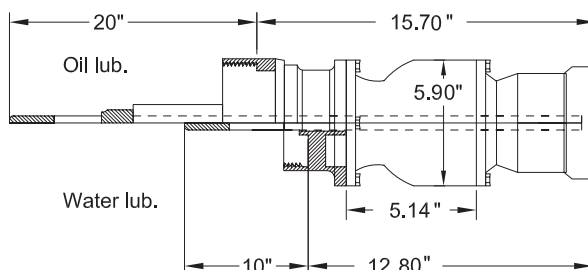
Std. Shaft Diameter	1.00"	Impeller WT- LB	2.3
Max. Shaft Diameter	1.00"	One Stage WR ² LB-FT ²	.070
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.250"	Impeller No.	TCWDCDC
Discharge Sizes	3",4"	Max. Sphere Size	0.22"
Suction Sizes	4"	K-Factor, Max. LB/Ft	2.1
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	420
One Stage Water Lube WT-LB	42.0	Min. Submergence	14.0
One Stage Oil Lube WT-LB	57.3	Impeller Eye Area IN ²	4.050
Add. Stage WT- LB	17.6	Specific Speed	2160

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

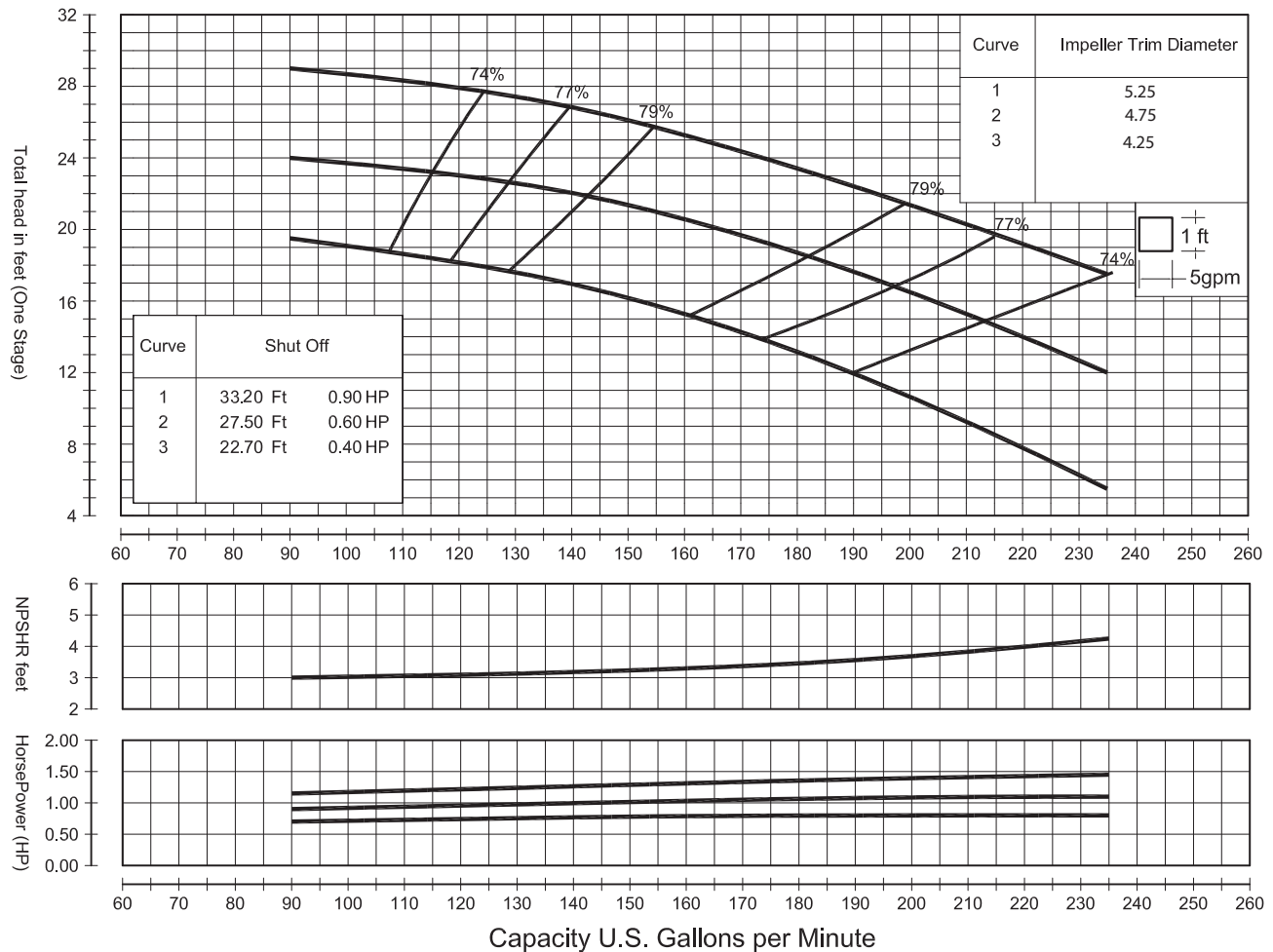
* Std. Construction; Discharge 4"

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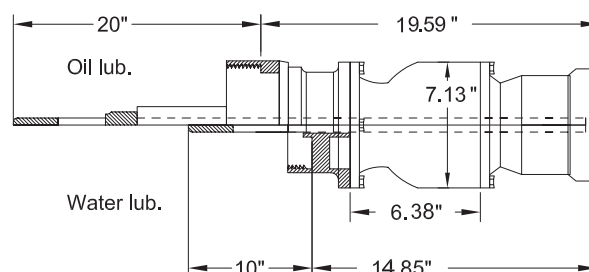


CONTRACTOR:	GPM	TDH	HP	EFFIC.	MODEL NPP7HL
ENGINEER:	SERVICE CONDITION:			STAGES	
PROJECT:					RPM 1770



Std. Shaft Diameter	1.19 "	Impeller WT- LB	3.1	Stages	Efficiency Correction	
Max. Shaft Diameter	1.19 "	One Stage WR ² LB-FT ²	0.14			
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED	1	- 4.00	
Std. Lateral Setting	.500"	Impeller No.	TCWDBDD	2	- 2.00	
Discharge Sizes	4",6"	Max. Sphere Size	0.43"	Based Std. Mt'l's	- 2.00	
Suction Sizes	6"	K-Factor, Max. LB/Ft	3.5			
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	415			
One Stage Water Lube WT-LB	70.5	Min. Submergence	19.0			
One Stage Oil Lube WT-LB	101.3	Impeller Eye Area IN ²	7.54	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.		
Add. Stage WT- LB	31.0	Specific Speed	2183			

* Std. Construction: Discharge 4"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

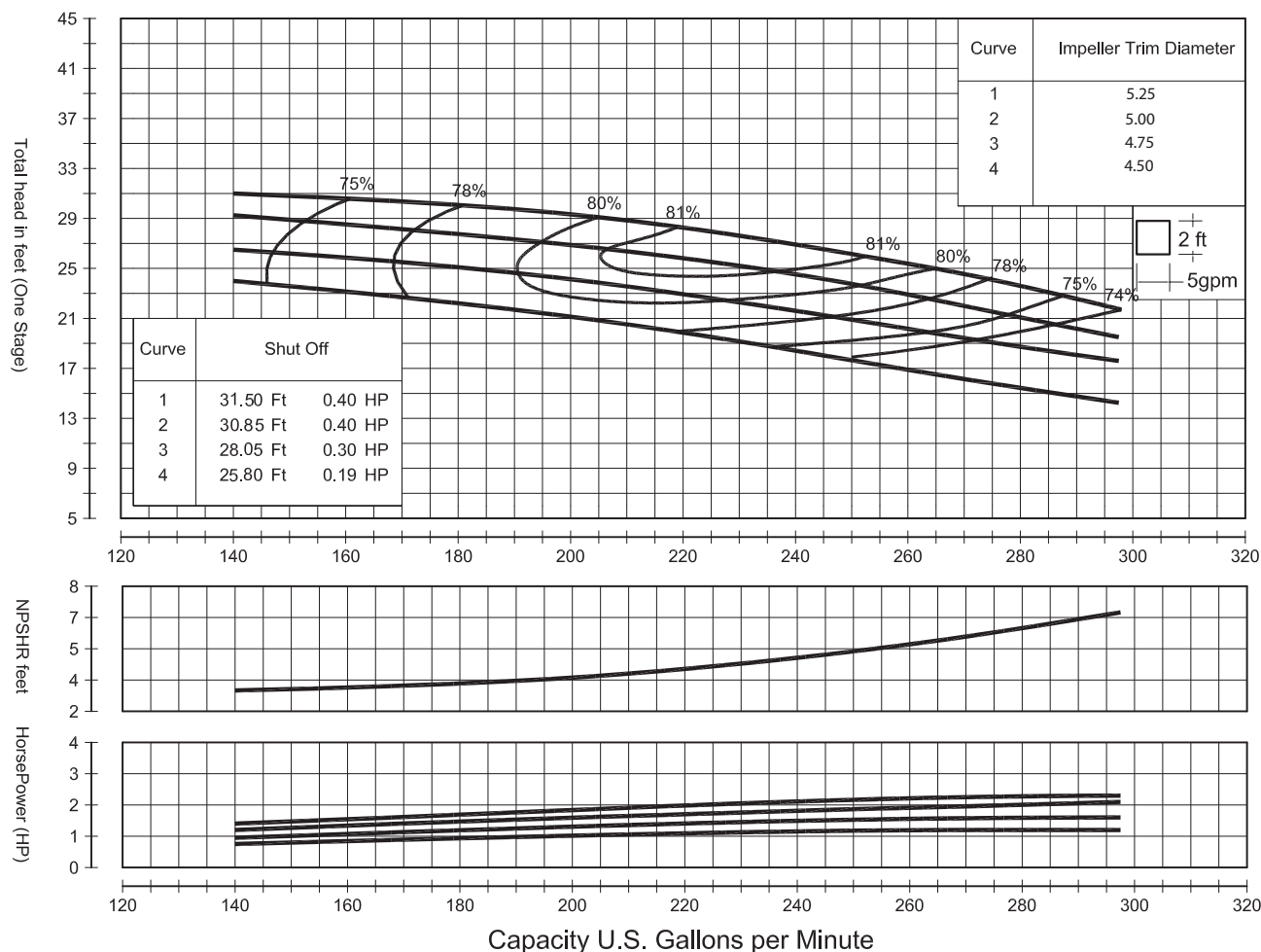
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END USER:

PROJECT:

RPM

1770

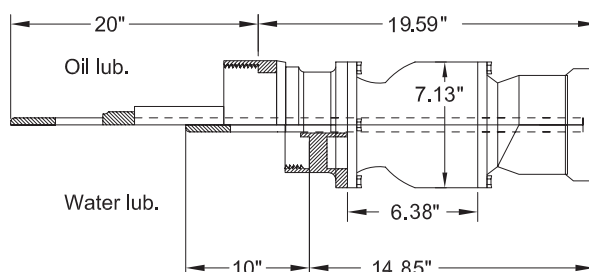


Std. Shaft Diameter	1.19"	Impeller WT- LB	3.1
Max. Shaft Diameter	1.19"	One Stage WR ² LB-FT ²	0.14
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.500"	Impeller No.	TCWDDDD
Discharge Sizes	4",6"	Max. Sphere Size	0.43"
Suction Sizes	6"	K-Factor, Max. LB/Ft	3.5
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	415
One Stage Water Lube WT-LB	70.5	Min. Submergence	19.0
One Stage Oil Lube WT-LB	101.3	Impeller Eye Area IN ²	7.54
Add. Stage WT- LB	17.6	Specific Speed	2300

Stages	Efficiency Correction
1	- 3.00
2	- 1.00
Based Std. Mt'l's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 4"
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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

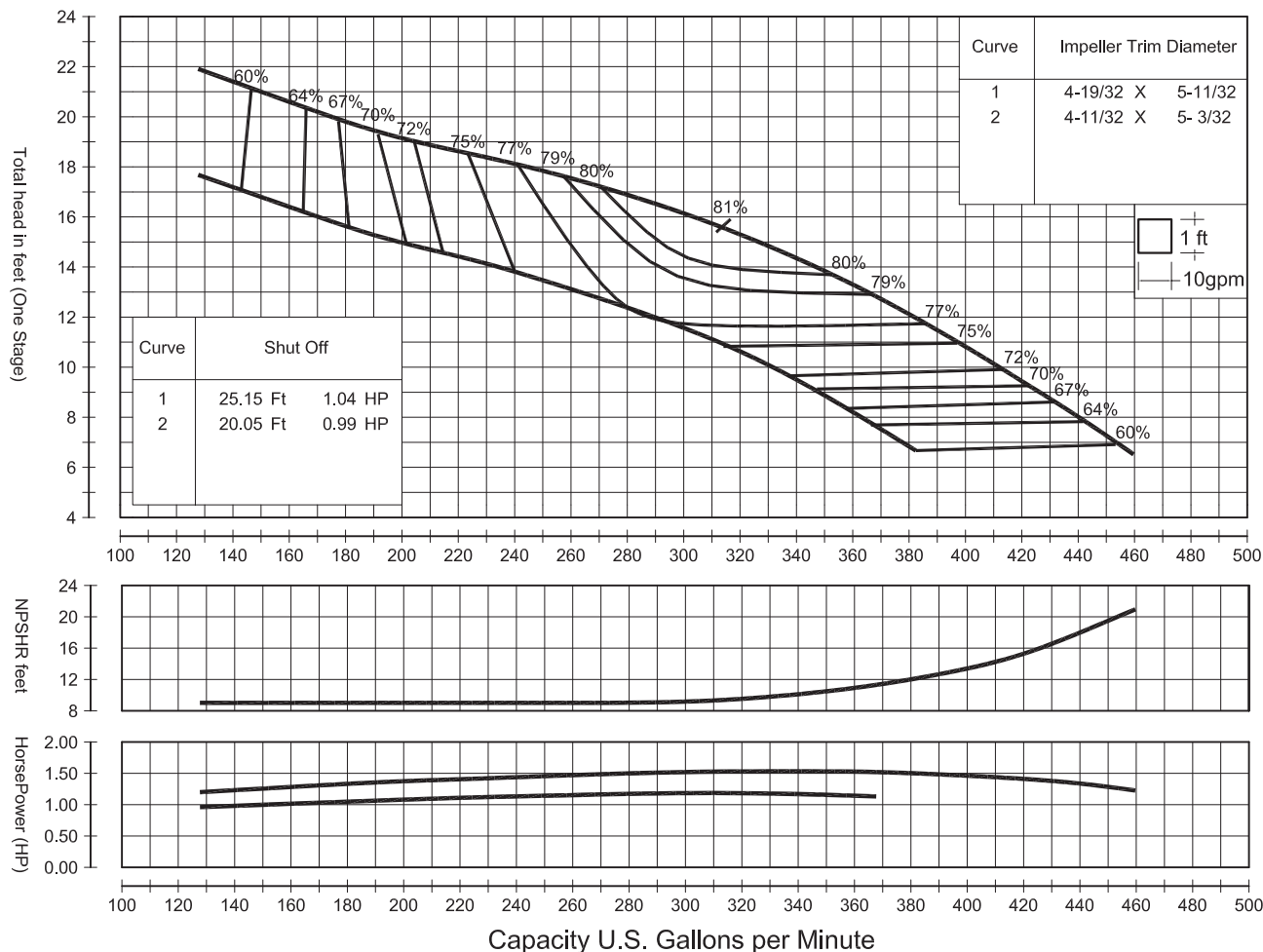
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END USER:

PROJECT:

RPM

1760

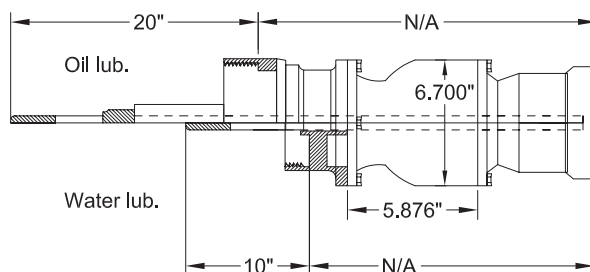


Std. Shaft Diameter	1.188"	Impeller WT- LB	N/A
Max. Shaft Diameter	1.188"	One Stage WR ² LB-FT ²	16.700
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting	.688"	Impeller No.	TCX3423
Discharge Sizes	4"	Max. Sphere Size	.500"
Suction Sizes	6"	K-Factor, Max.	3.4
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	410
One Stage Water Lube WT-LB	N/A	Min. Submergence	12"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	8.496
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 8.00
2	- 6.00
3	- 4.00
4	- 2.00
5	- 1.00
Based Std. Mtl's	- 4.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

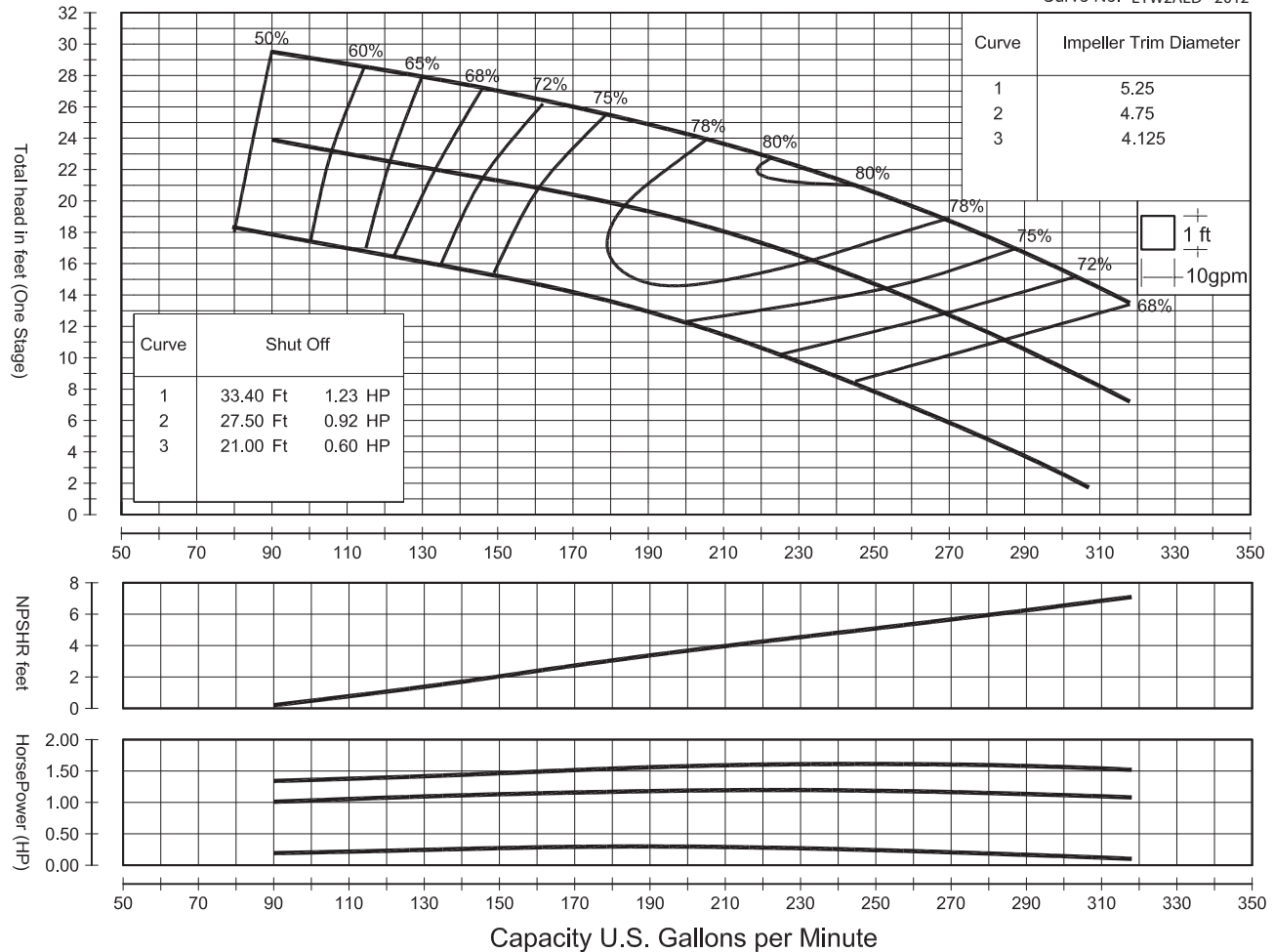
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END USER:

PROJECT:

RPM
1760

Curve No. ETW2AED - 2012

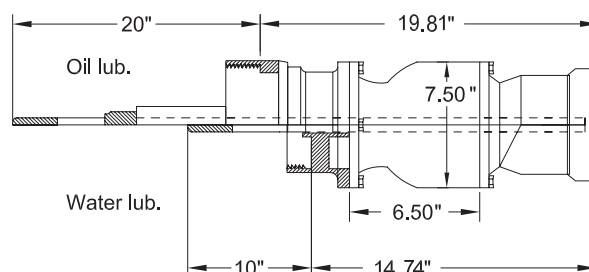


Std. Shaft Diameter	1.19"	Impeller WT- LB	5.7
Max. Shaft Diameter	1.19"	One Stage WR ² LB-FT ²	.290
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.620"	Impeller No.	ETWDADD
Discharge Sizes	4",6"	Max. Sphere Size	0.43"
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.00
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	425
One Stage Water Lube WT-LB	73.171	Min. Submergence	N/A
One Stage Oil Lube WT-LB	87.281	Impeller Eye Area IN ²	8.510
Add. Stage WT- LB	31.725	Specific Speed	2699

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 4"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

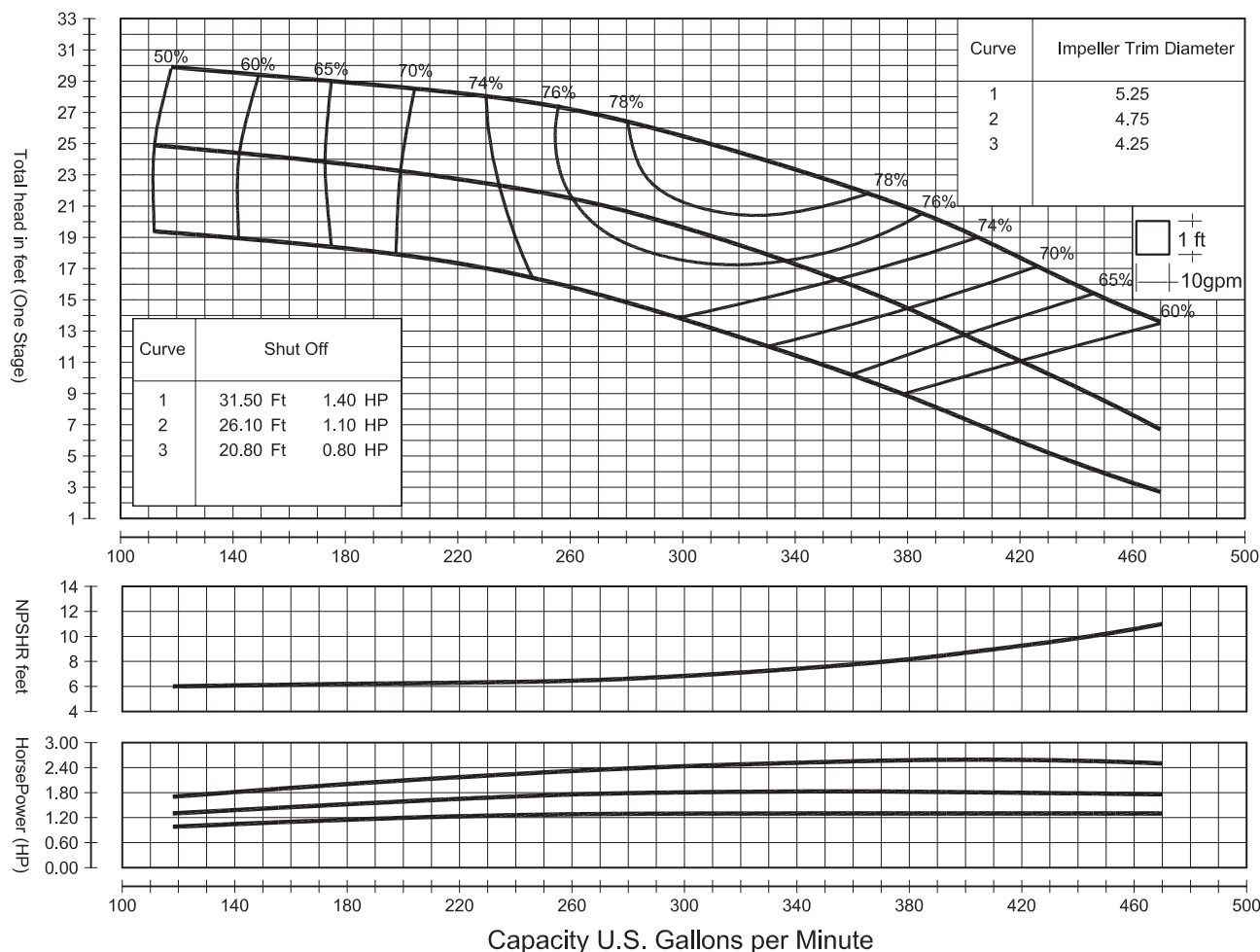
MODEL

NPP8MH

END USER:

PROJECT:

RPM
1760

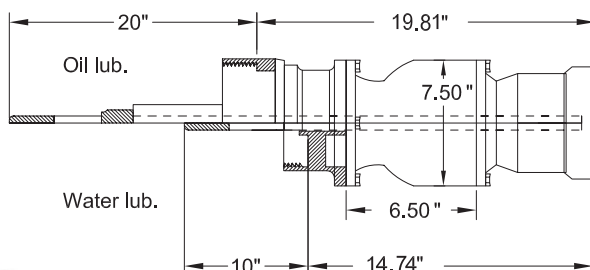


Std. Shaft Diameter	1.19"	Impeller WT- LB	5.7
Max. Shaft Diameter	1.19"	One Stage WR ² LB-FT ²	.290
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.620"	Impeller No.	ETWDBDD
Discharge Sizes	4",6"	Max. Sphere Size	0.43"
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.00
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	425
One Stage Water Lube WT-LB	73.171	Min. Submergence	N/A
One Stage Oil Lube WT-LB	87.281	Impeller Eye Area IN ²	8.510
Add. Stage WT- LB	31.725	Specific Speed	2849

Stages	Efficiency Correction
Based Std. Mtl's	
Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	

* Std. Construction: Discharge 4"

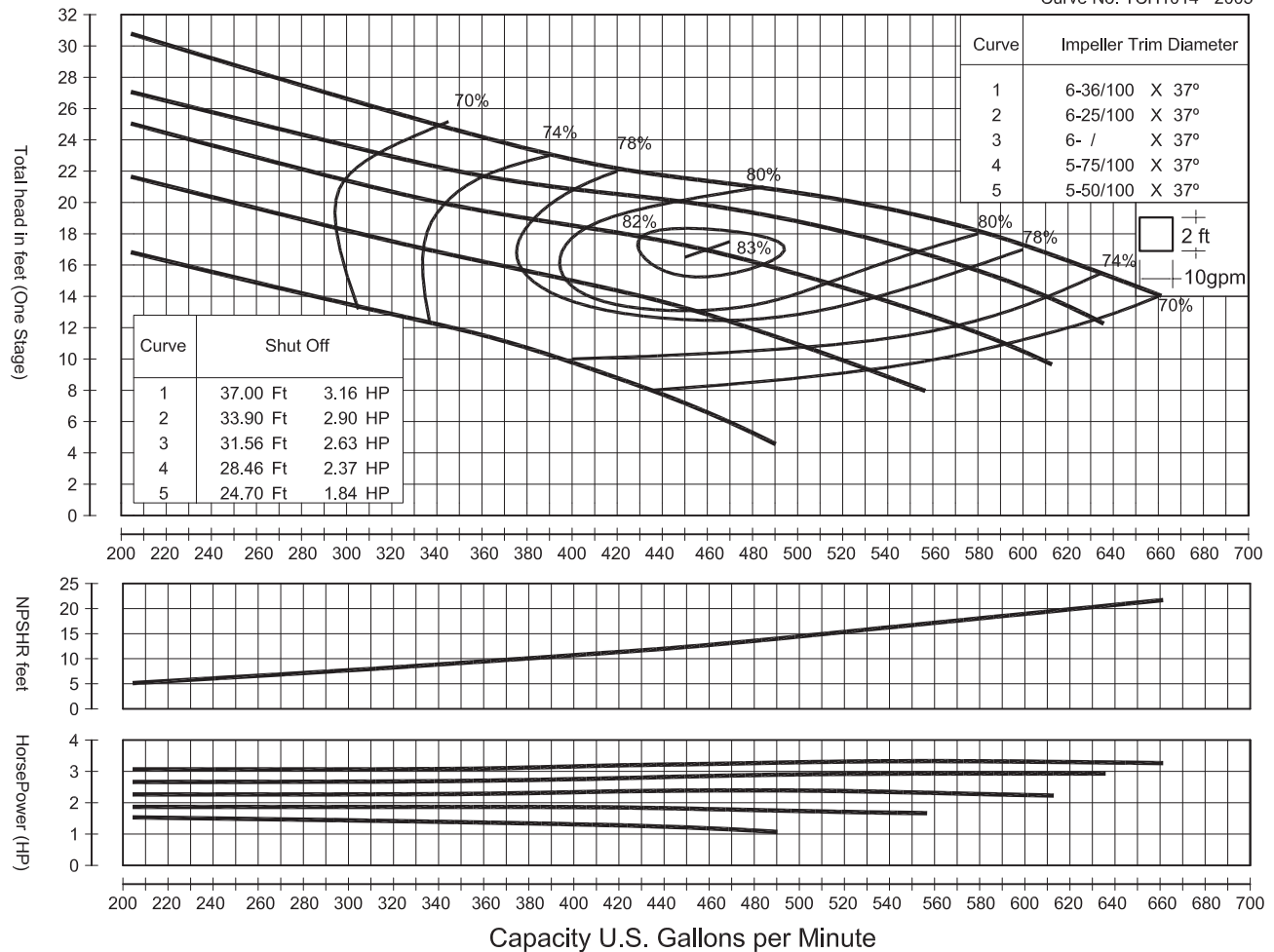
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CONTRACTOR: ENGINEER:	GPM TDH HP EFFIC.	MODEL NPP8HH
	SERVICE CONDITION: STAGES	
END USER:	PROJECT:	RPM 1760

Curve No. TCH1014 - 2005

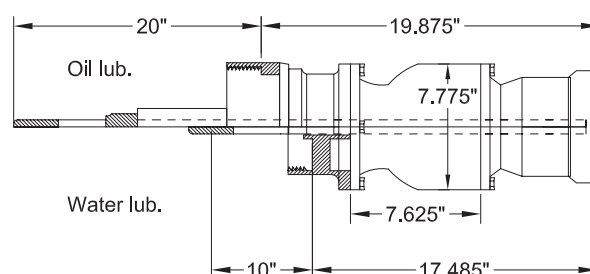


Std. Shaft Diameter	1.188"	Impeller WT- LB	5.291
Max. Shaft Diameter	1.188"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.375"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1414
Discharge Sizes	6"	Max. Sphere Size	1.125"
Suction Sizes	6"	K-Factor, Max.	8
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	692
One Stage Water Lube WT-LB	88.405	Min. Submergence	20"
One Stage Oil Lube WT-LB	102.51	Impeller Eye Area IN ²	15.9
Add. Stage WT- LB	32.187	Specific Speed	N/A

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 3.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

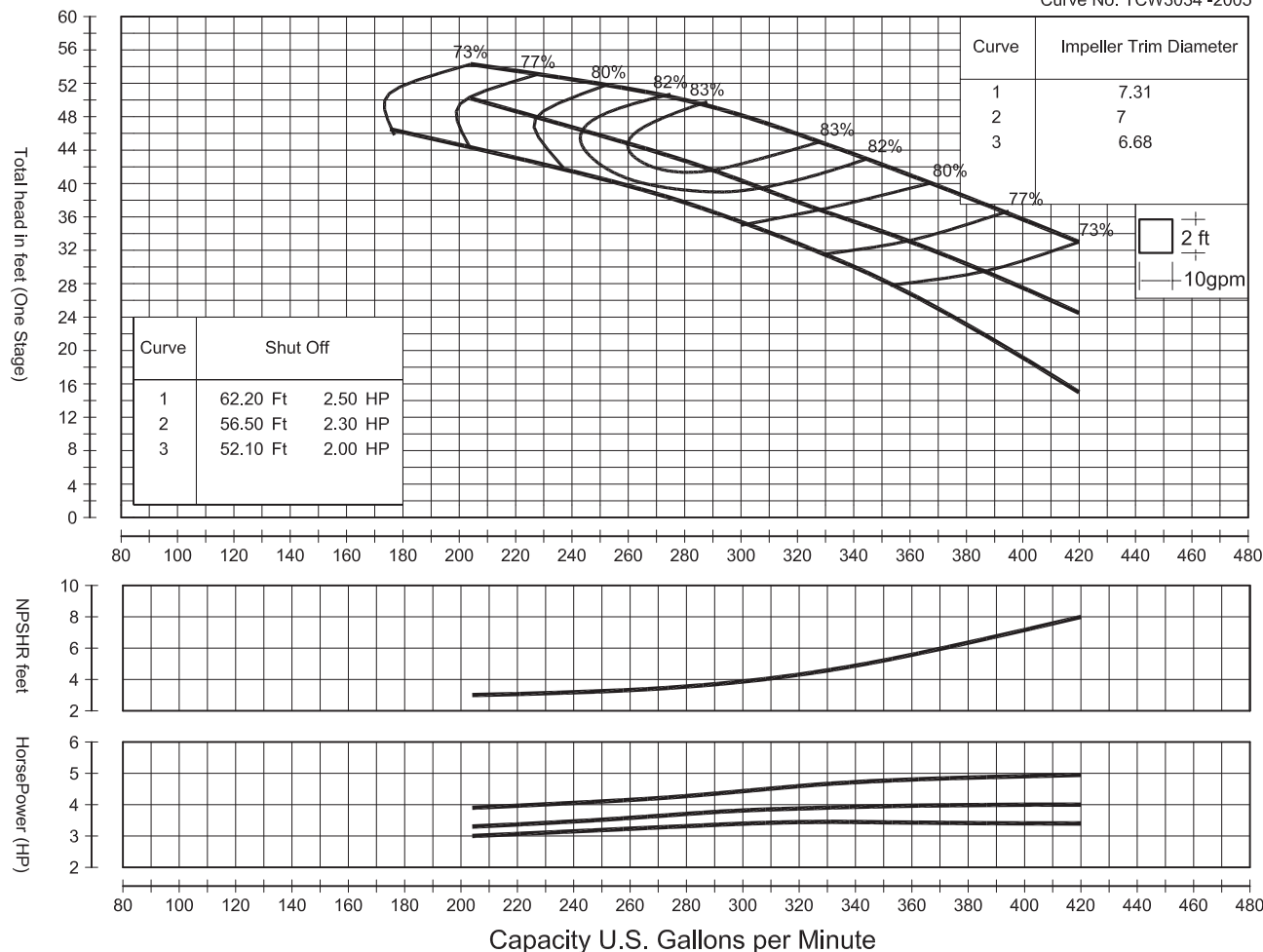
pumpandpond.com





CONTRACTOR:		GPM	TDH	HP	EFFIC.	MODEL NPP9ML
ENGINEER:		SERVICE CONDITION:			STAGES	
END USER:		PROJECT:				RPM 1770

Curve No. TCW3034 -2005



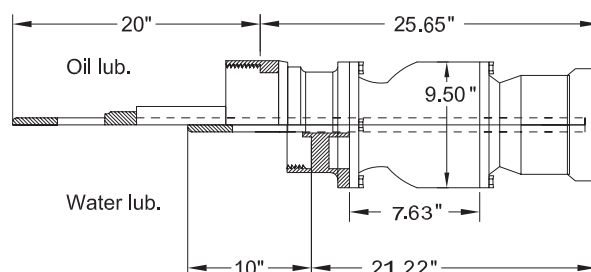
Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ² LB-FT ²	.330
Std. Lateral Setting	.630"	Impeller Type	ENCLOSED
Max. Lateral Setting	.880"	Impeller No.	ETWDDDE
Discharge Sizes	6",8"	Max. Sphere Size	N/A
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.60
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	375
One Stage Water Lube WT-LB	143.78	Min. Submergence	N/A
One Stage Oil Lube WT-LB	150.89	Impeller Eye Area IN ²	12.560
Add. Stage WT- LB	57.77	Specific Speed	1700

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

PROJECT:

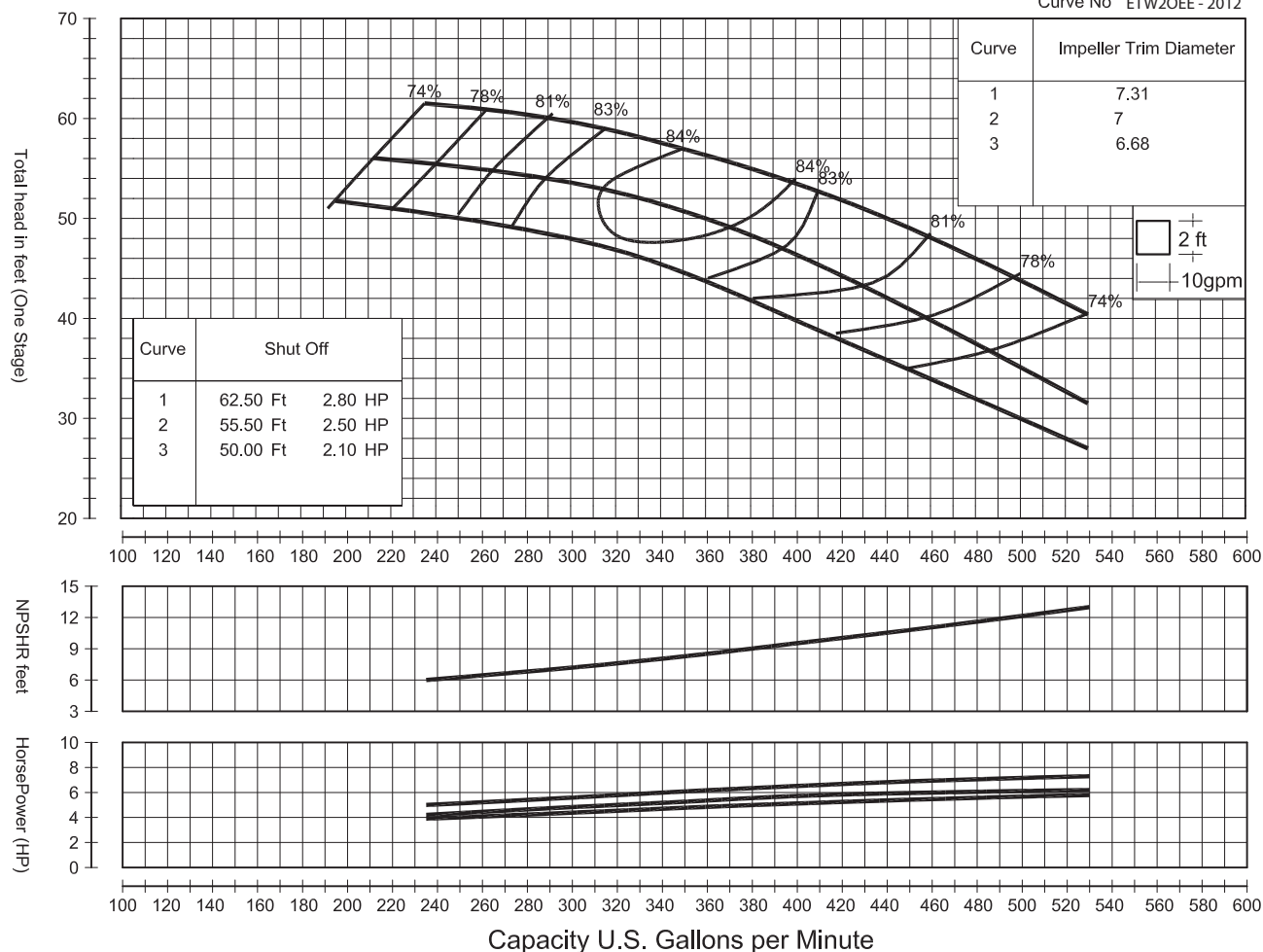
MODEL

NPP9MH

RPM

1770

Curve No ETW20EE - 2012



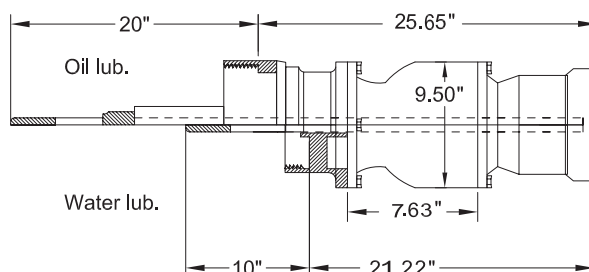
Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ² LB-FT ²	.330
Std. Lateral Setting	.630"	Impeller Type	ENCLOSED
Max. Lateral Setting	.880"	Impeller No.	ETWDEDE
Discharge Sizes	6",8"	Max. Sphere Size	N/A
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.65
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	375
One Stage Water Lube WT-LB	142.67	Min. Submergence	N/A
One Stage Oil Lube WT-LB	149.78	Impeller Eye Area IN ²	12.560
Add. Stage WT- LB	56.67	Specific Speed	1695

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

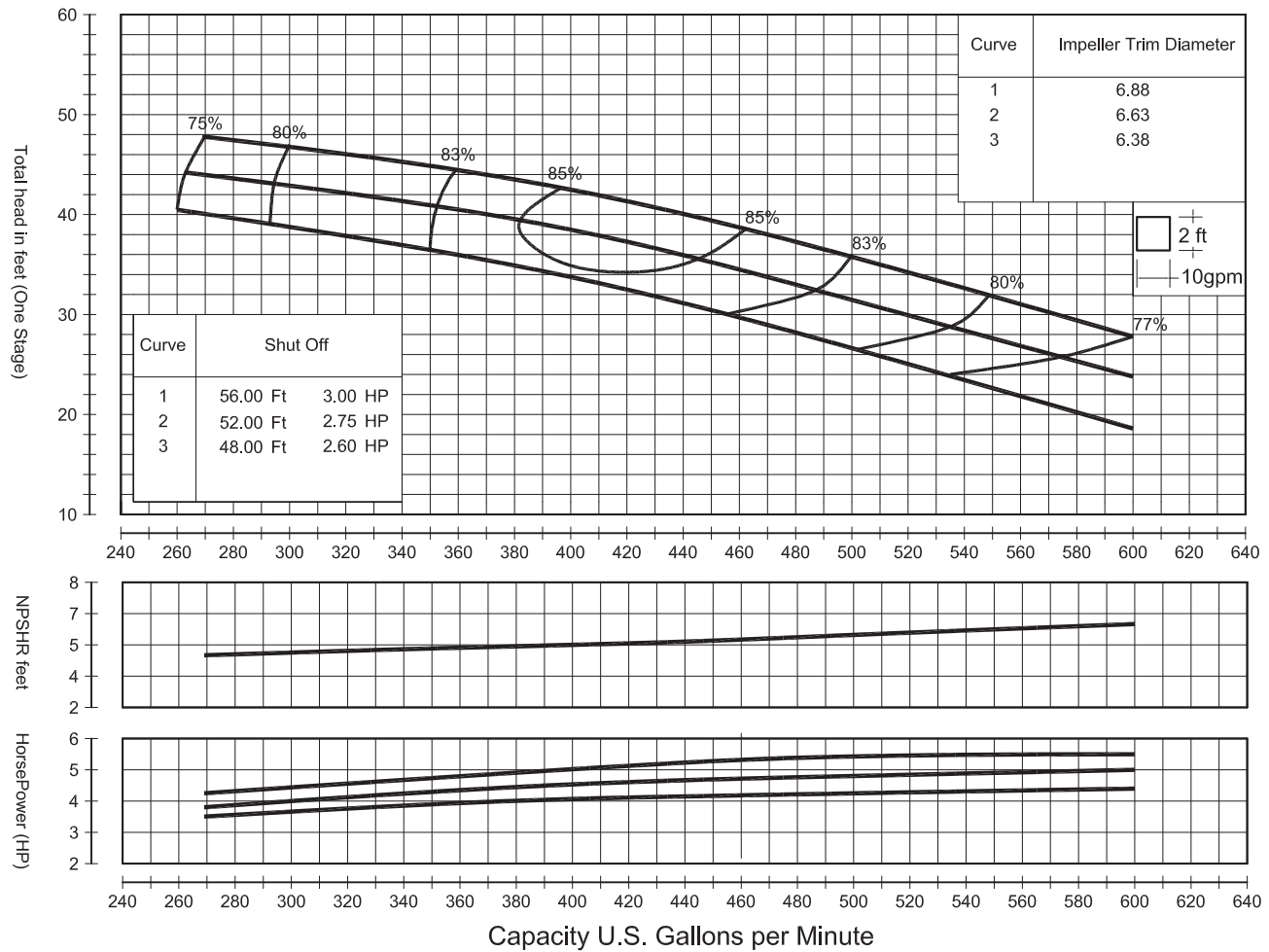
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END USER:

PROJECT:

RPM

1770

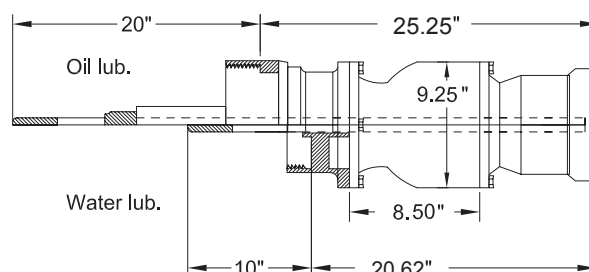


Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ² LB-FT ²	.330
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Std. Lateral Setting	.880"	Impeller No.	TCWDBDE
Discharge Sizes	6",8"	Max. Sphere Size	0.56"
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.90
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	400
One Stage Water Lube WT-LB	149.8	Min. Submergence	34.0
One Stage Oil Lube WT-LB	169.3	Impeller Eye Area IN ²	12.560
Add. Stage WT- LB	59.5	Specific Speed	2290

Stages	Efficiency Correction
1	- 2.00
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"
pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

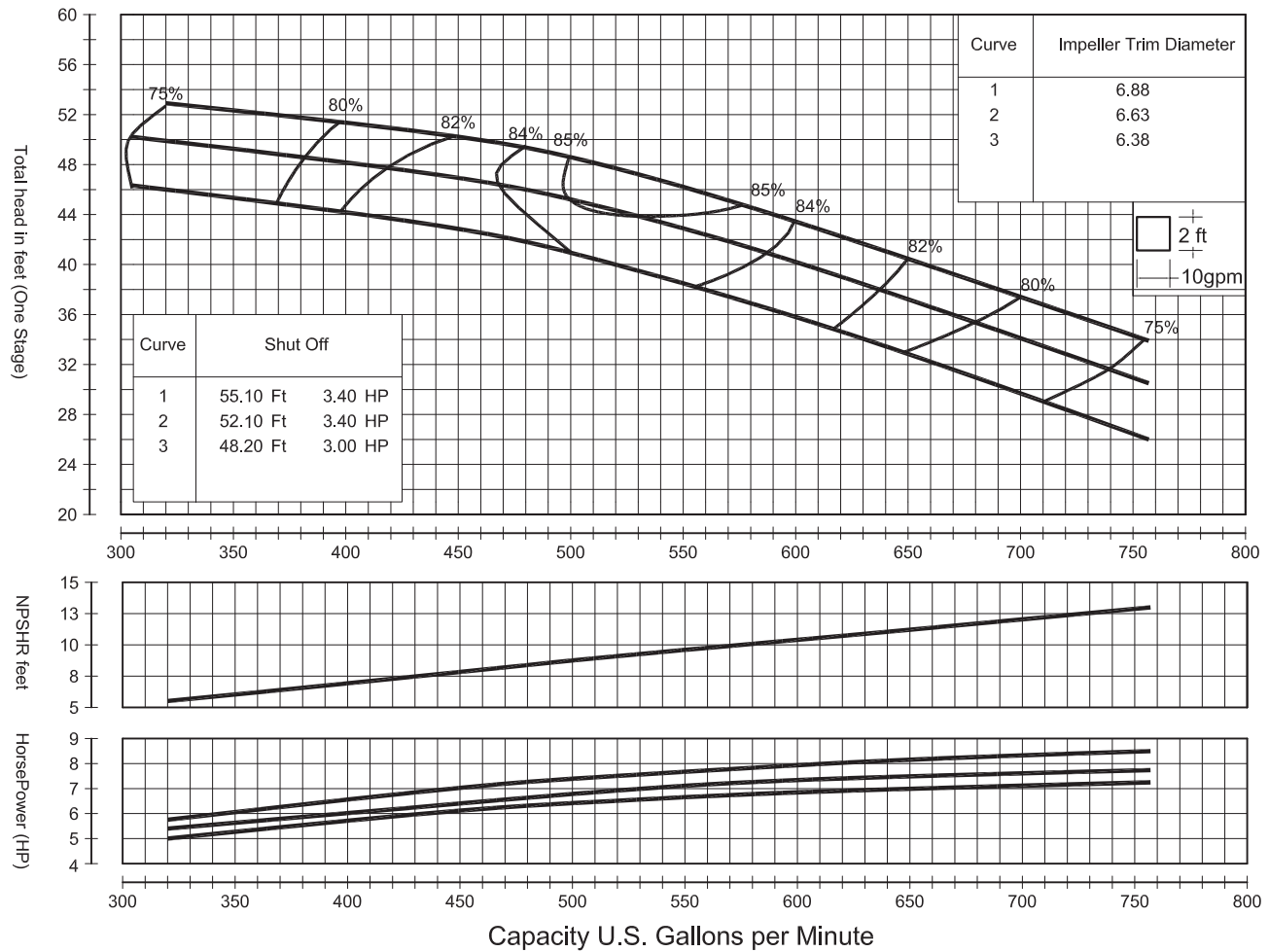
PROJECT:

MODEL

NPP9HH

RPM

1770

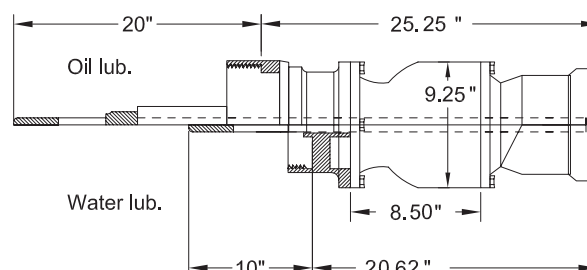


Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ² LB-FT ²	.330
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.880"	Impeller No.	ETWDBDE
Discharge Sizes	6",8"	Max. Sphere Size	0.56"
Suction Sizes	6"	K-Factor, Max. LB/Ft	3.1
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	400
One Stage Water Lube WT-LB	143.10	Min. Submergence	N/A
One Stage Oil Lube WT-LB	150.31	Impeller Eye Area IN ²	12.560
Add. Stage WT- LB	58.20	Specific Speed	2300

Stages	Efficiency Correction
1	- 2.00
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

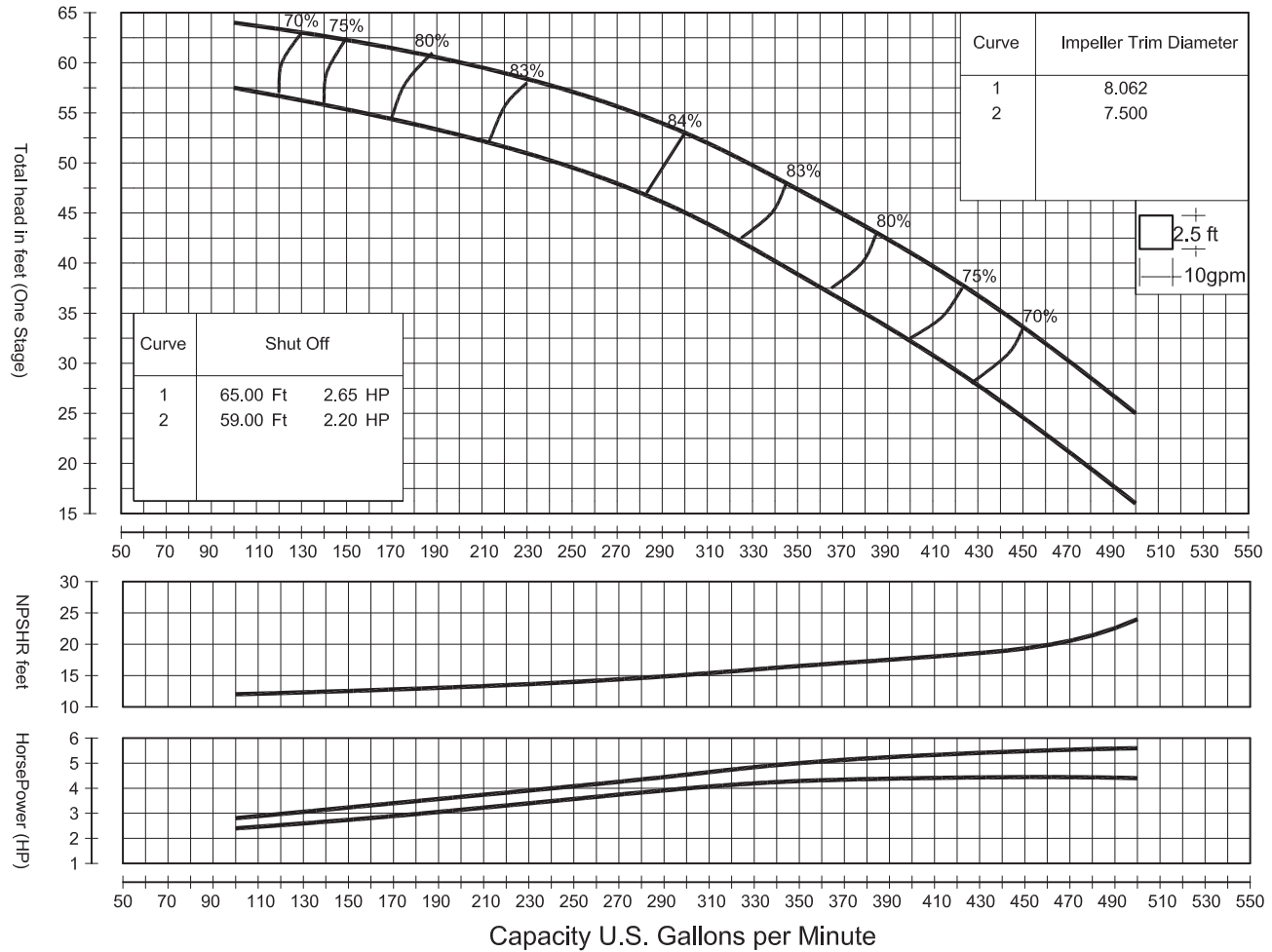
EFFIC.

MODEL
NPP10LL

END USER:

PROJECT:

RPM
1760

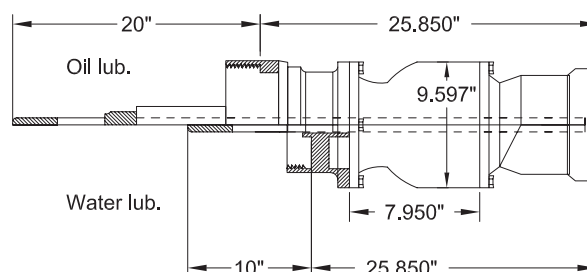


Std. Shaft Diameter	1.500"	Impeller WT- LB	7.716
Max. Shaft Diameter	1.500"	One Stage WR ² LB-FT ²	.286
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCC1415
Discharge Sizes	6"	Max. Sphere Size	.531"
Suction Sizes	6"	K-Factor, Max.	4.50
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	278
One Stage Water Lube WT-LB	137.78	Min. Submergence	15"
One Stage Oil Lube WT-LB	151.89	Impeller Eye Area IN ²	10.41
Add. Stage WT- LB	49.60	Specific Speed	1568

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 3.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"
pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

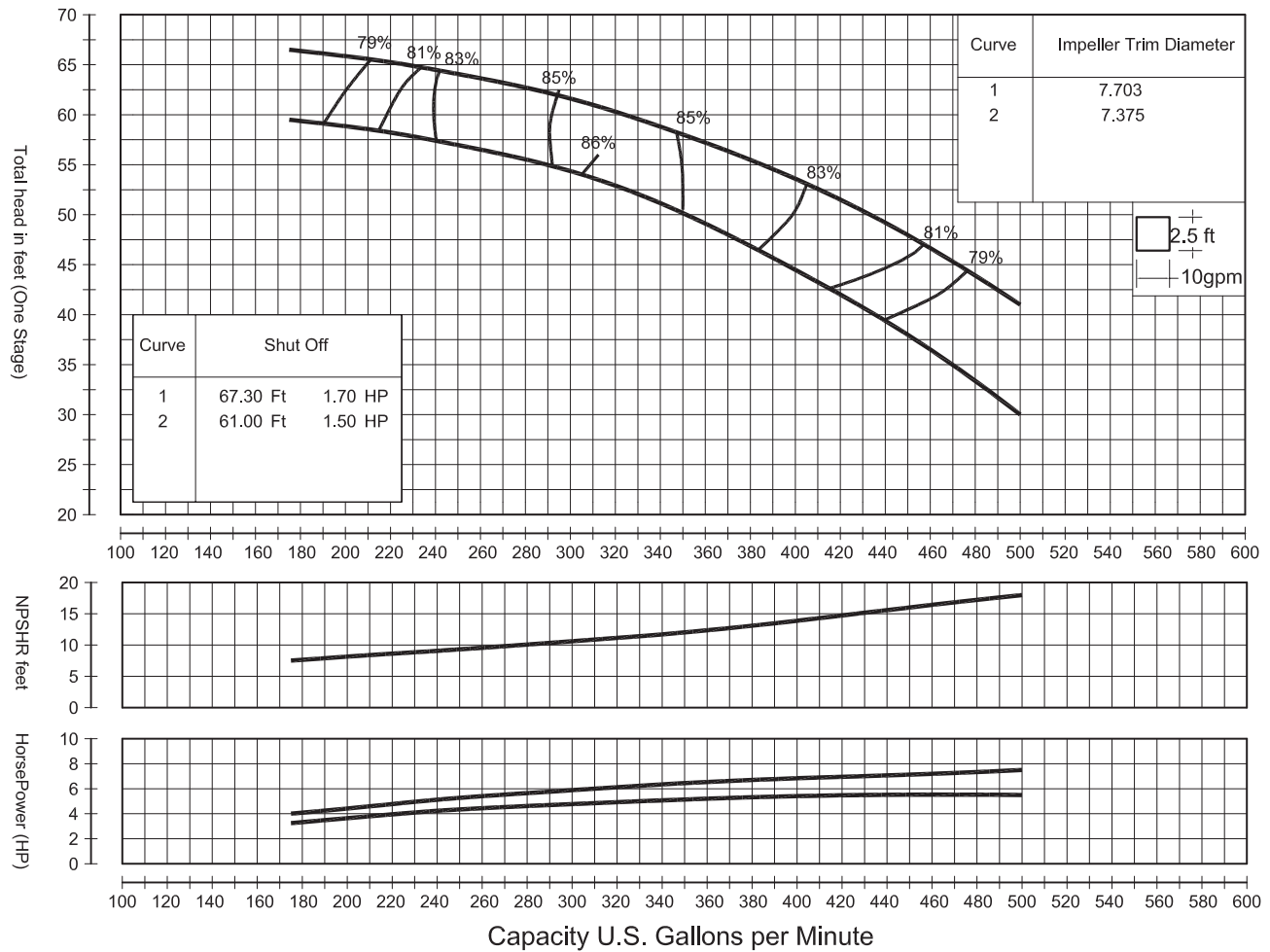
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP10LH

RPM
1760

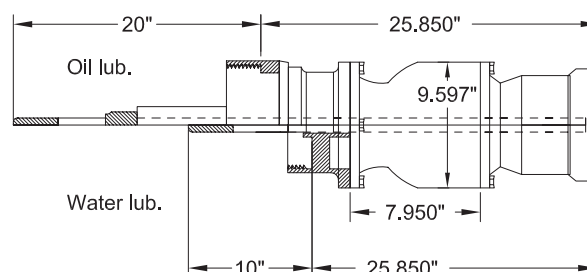


Std. Shaft Diameter	1.500"	Impeller WT- LB	7.716
Max. Shaft Diameter	1.500"	One Stage WR ² LB-FT ²	.303
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCC1425
Discharge Sizes	6"	Max. Sphere Size	.531"
Suction Sizes	6"	K-Factor, Max.	4.50
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	278
One Stage Water Lube WT-LB	137.78	Min. Submergence	15"
One Stage Oil Lube WT-LB	151.89	Impeller Eye Area IN ²	9.740
Add. Stage WT- LB	49.60	Specific Speed	1500

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 3.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 6"
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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

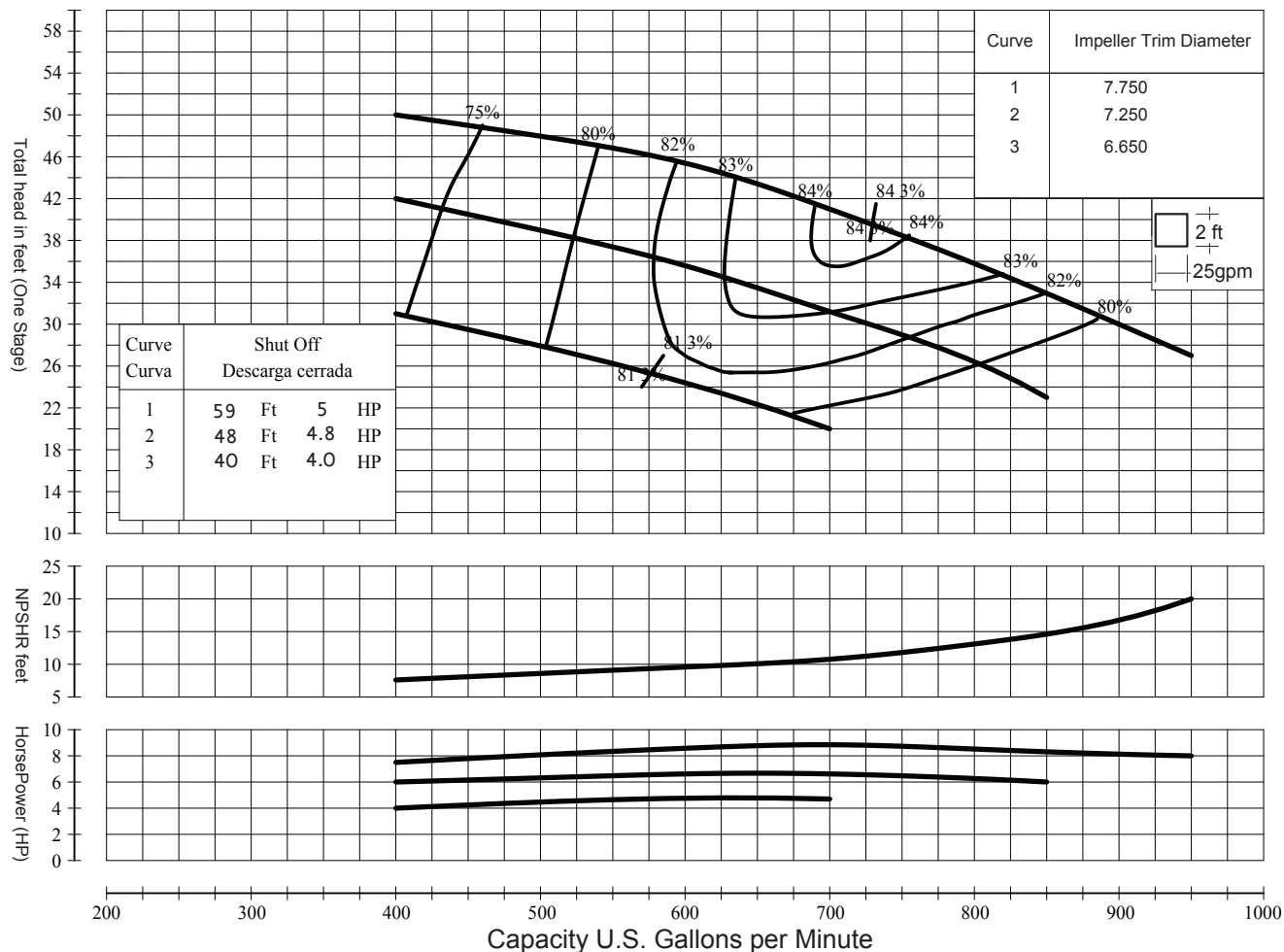
MODEL

NPP10MH

END USER:

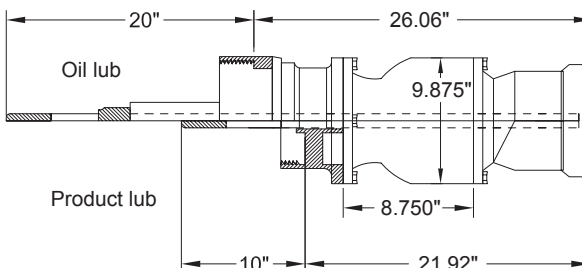
PROJECT:

RPM
1760



Std. Shaft Diameter	1.500"	Impeller WT- LB	8.50	Stages	Efficiency Correction
Max. Shaft Diameter	—	One Stage WR ² LB-FT ²	0.321	1	- 4.00
Opt. Lateral Setting	0.625"	Impeller Type	ENCLOSED	2	- 3.00
Max. Lateral Setting	—	Impeller No.	TCWDADE	3	- 2.00
Discharge Sizes	8,6	Max. Sphere Size	0.610	4	- 1.00
Suction Sizes	N/A	K-Factor, Max.	6.100	5	0.00
One Stage Subm. WT-LB	164.00	Max. Operating P.S.I	336.33	Based Std. Mtl's	
One Stage Water Lube WT-LB	164.00	Min. Submergence	28		
One Stage Oil Lube WT-LB	184.00	Impeller Eye Area IN ²	14.42	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
Add. Stage WT- LB	64.00	Specific Speed	2842		

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

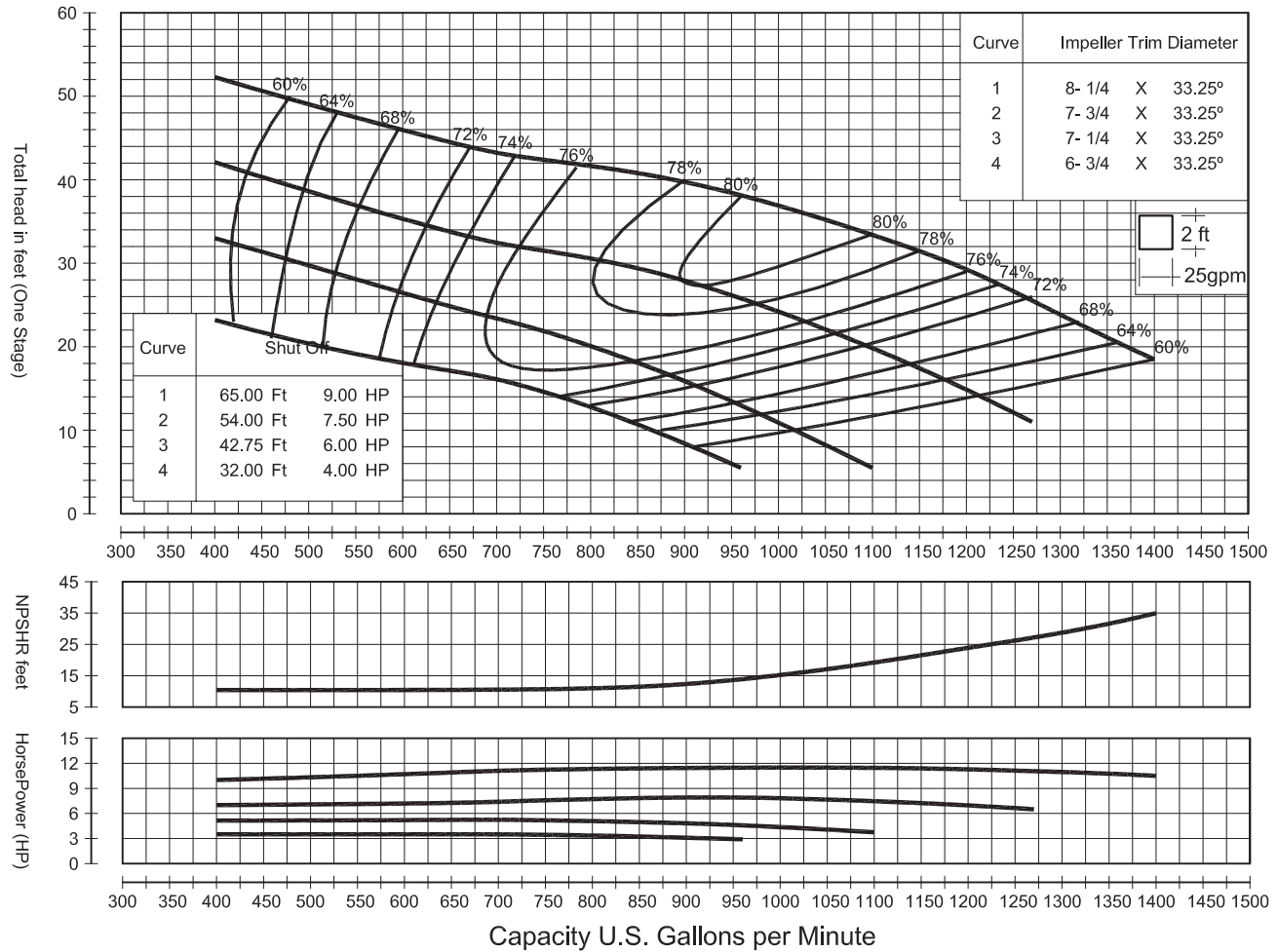
PROJECT:

MODEL

NPP10YH

RPM

1760

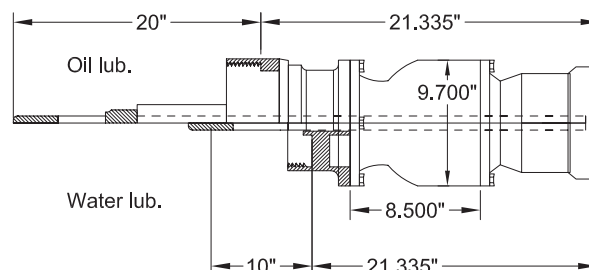


Std. Shaft Diameter	1.500"	Impeller WT- LB	11.023
Max. Shaft Diameter	1.500"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCX1015
Discharge Sizes	8"	Max. Sphere Size	.875
Suction Sizes	8"	K-Factor, Max.	10.3
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	455
One Stage Water Lube WT-LB	136.68	Min. Submergence	28"
One Stage Oil Lube WT-LB	150.79	Impeller Eye Area IN ²	19.400
Add. Stage WT- LB	52.911	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 2.00
3	- 1.00
Based Std. Mt'l's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

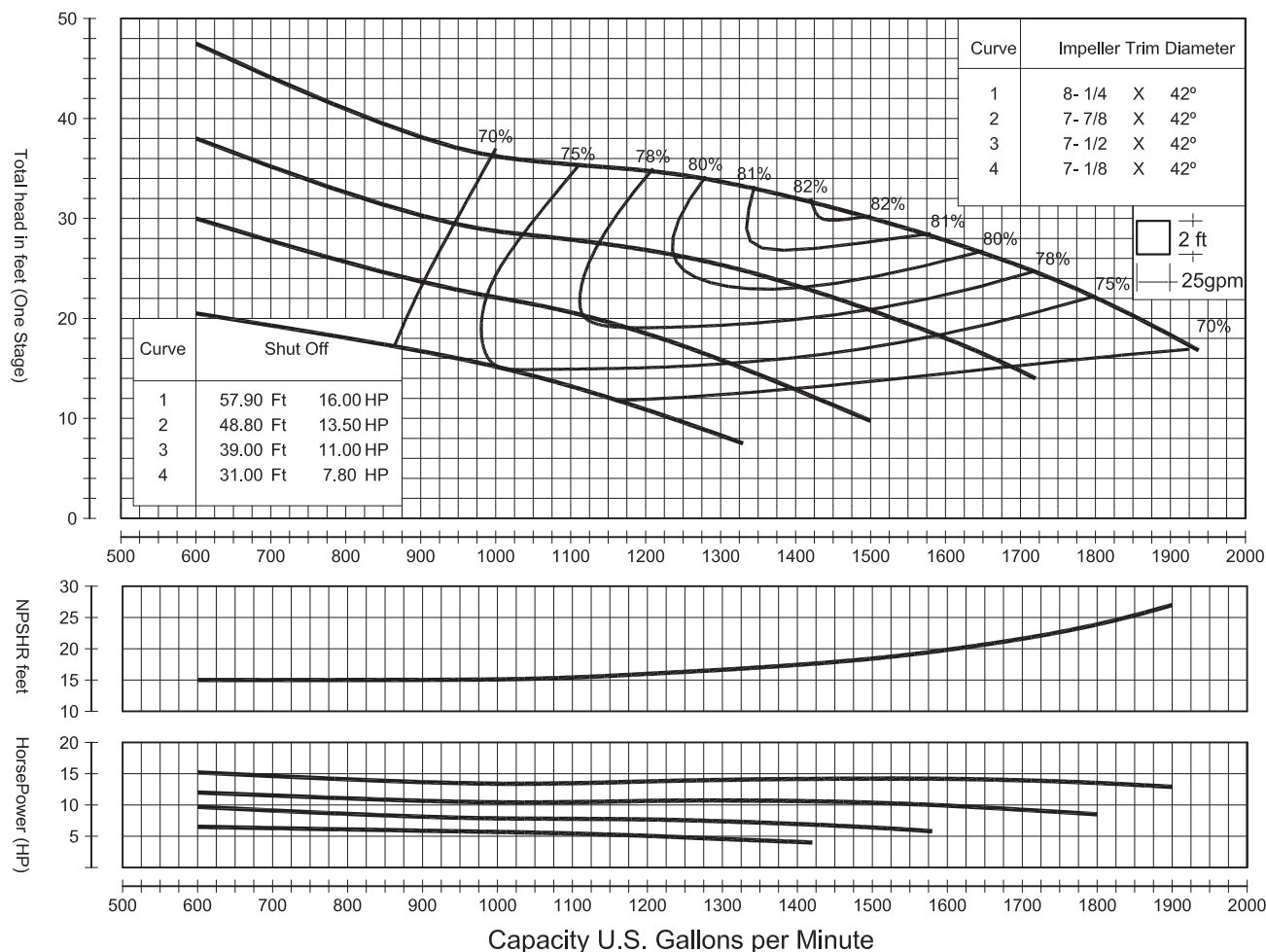
PROJECT:

MODEL

NPP10HH

RPM

1760

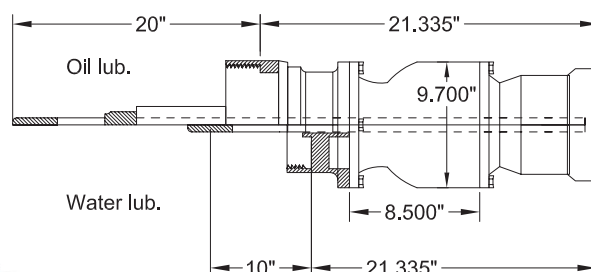


Std. Shaft Diameter	1.500"	Impeller WT- LB	10.582
Max. Shaft Diameter	1.500"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1015
Discharge Sizes	8"	Max. Sphere Size	1.438"
Suction Sizes	8"	K-Factor, Max.	13.6
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	455
One Stage Water Lube WT-LB	136.24	Min. Submergence	30"
One Stage Oil Lube WT-LB	150.35	Impeller Eye Area IN ²	26.7
Add. Stage WT- LB	52.470	Specific Speed	N/A

Stages	Efficiency Correction
1	- 6.00
2	- 5.00
3	- 3.00
4	- 1.00
Based Std. Mtl's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

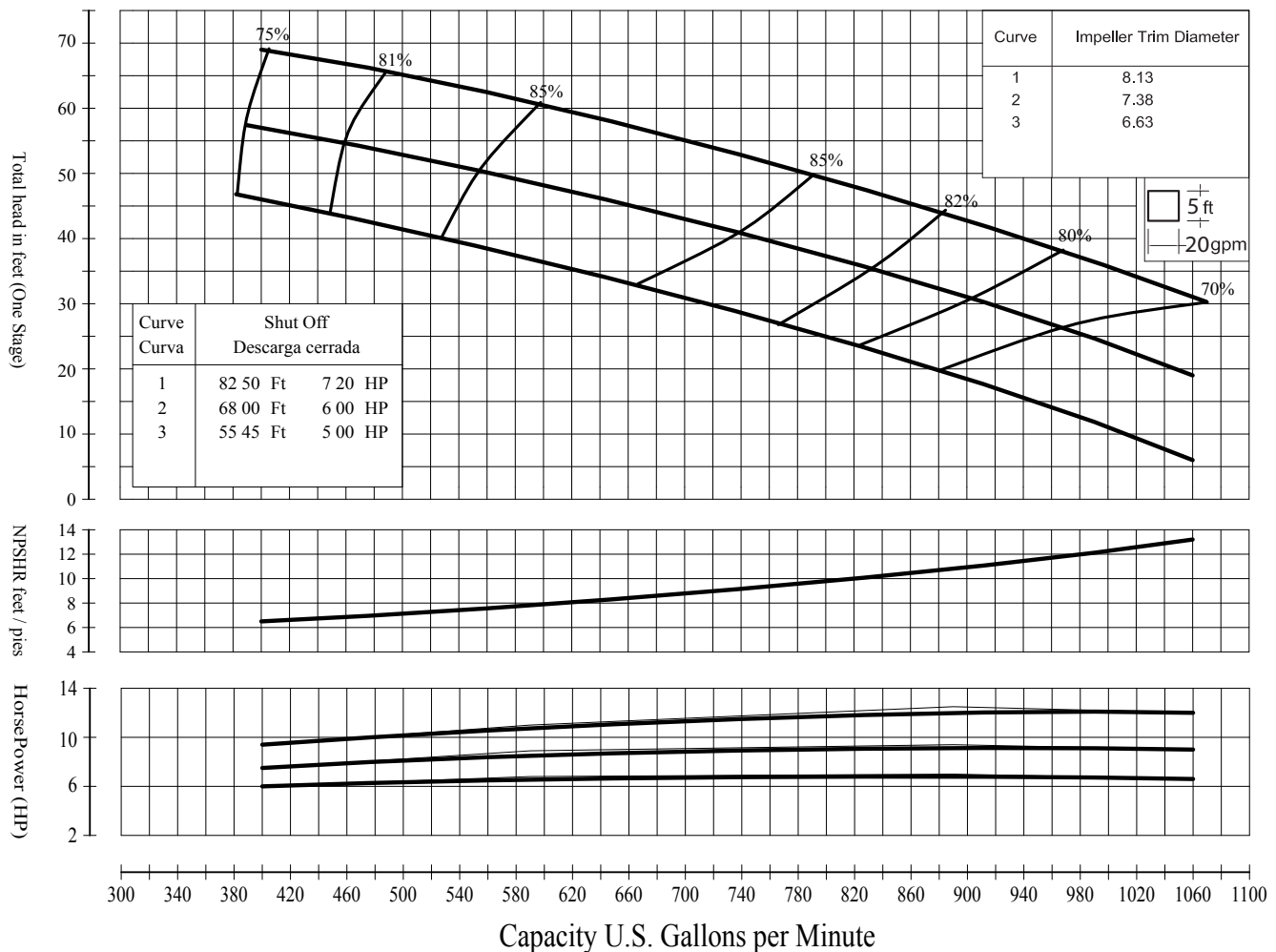
MODEL

NPP11HH

END USER:

PROJECT:

RPM
1770

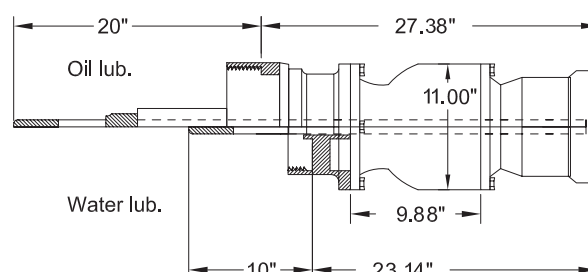


Std. Shaft Diameter	1.50"	Impeller WT- LB	13.0
Max. Shaft Diameter	1.69"	One Stage WR ² LB-FT ²	.890
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	ETWDADG
Discharge Sizes	8"	Max. Sphere Size	0.68"
Suction Sizes	8"	K-Factor, Max. LB/Ft	7.9
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	380
One Stage Water Lube WT-LB	240.10	Min. Submergence	N/A
One Stage Oil Lube WT-LB	262.15	Impeller Eye Area IN ²	15.60
Add. Stage WT- LB	87.98	Specific Speed	2320

Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

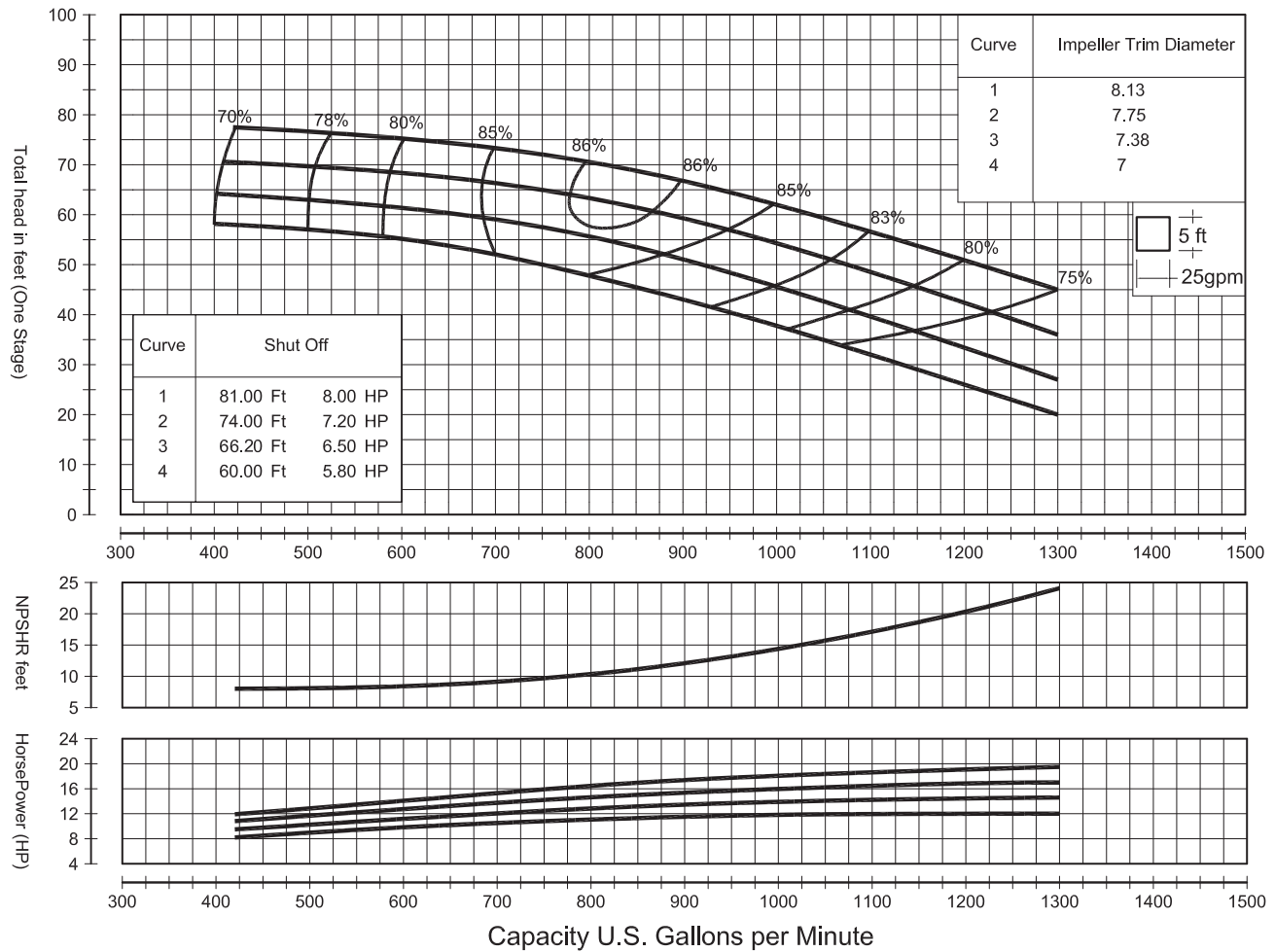
MODEL

NPP11HH

END USER:

PROJECT:

RPM
1770

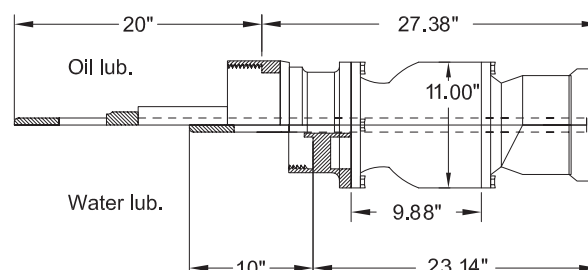


Std. Shaft Diameter	1.50"	Impeller WT- LB	13.0
Max. Shaft Diameter	1.69"	One Stage WR ² LB-FT ²	.890
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	ETWDBDG
Discharge Sizes	8"	Max. Sphere Size	0.68"
Suction Sizes	8"	K-Factor, Max. LB/Ft	7.4
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	380
One Stage Water Lube WT-LB	240.10	Min. Submergence	N/A
One Stage Oil Lube WT-LB	262.15	Impeller Eye Area IN ²	15.60
Add. Stage WT- LB	87.98	Specific Speed	2130

Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

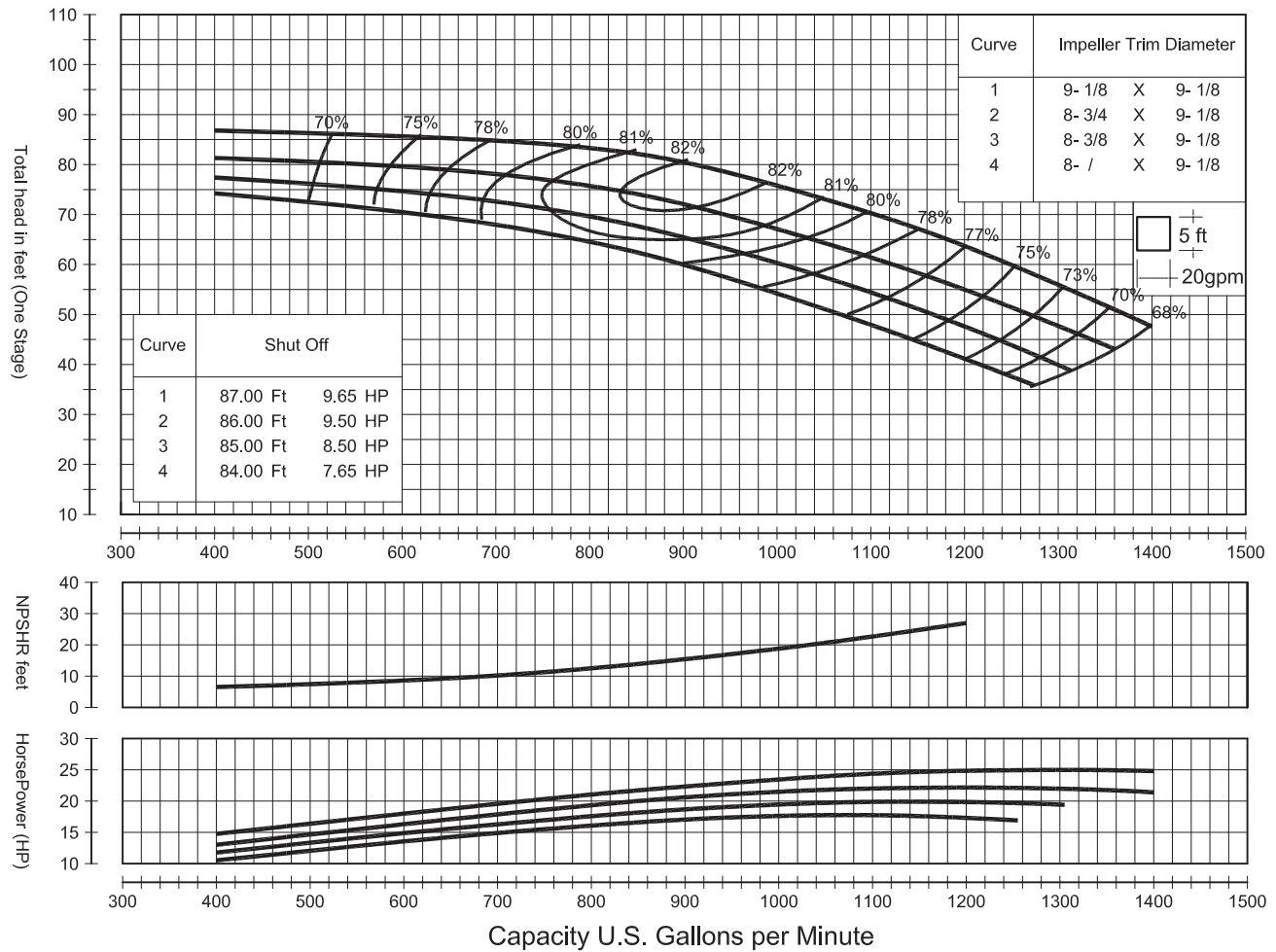
MODEL

NPP12LL

END USER:

PROJECT:

RPM
1760

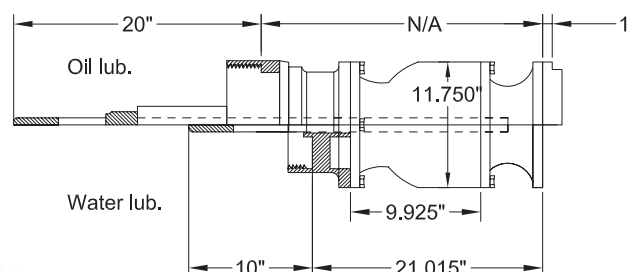


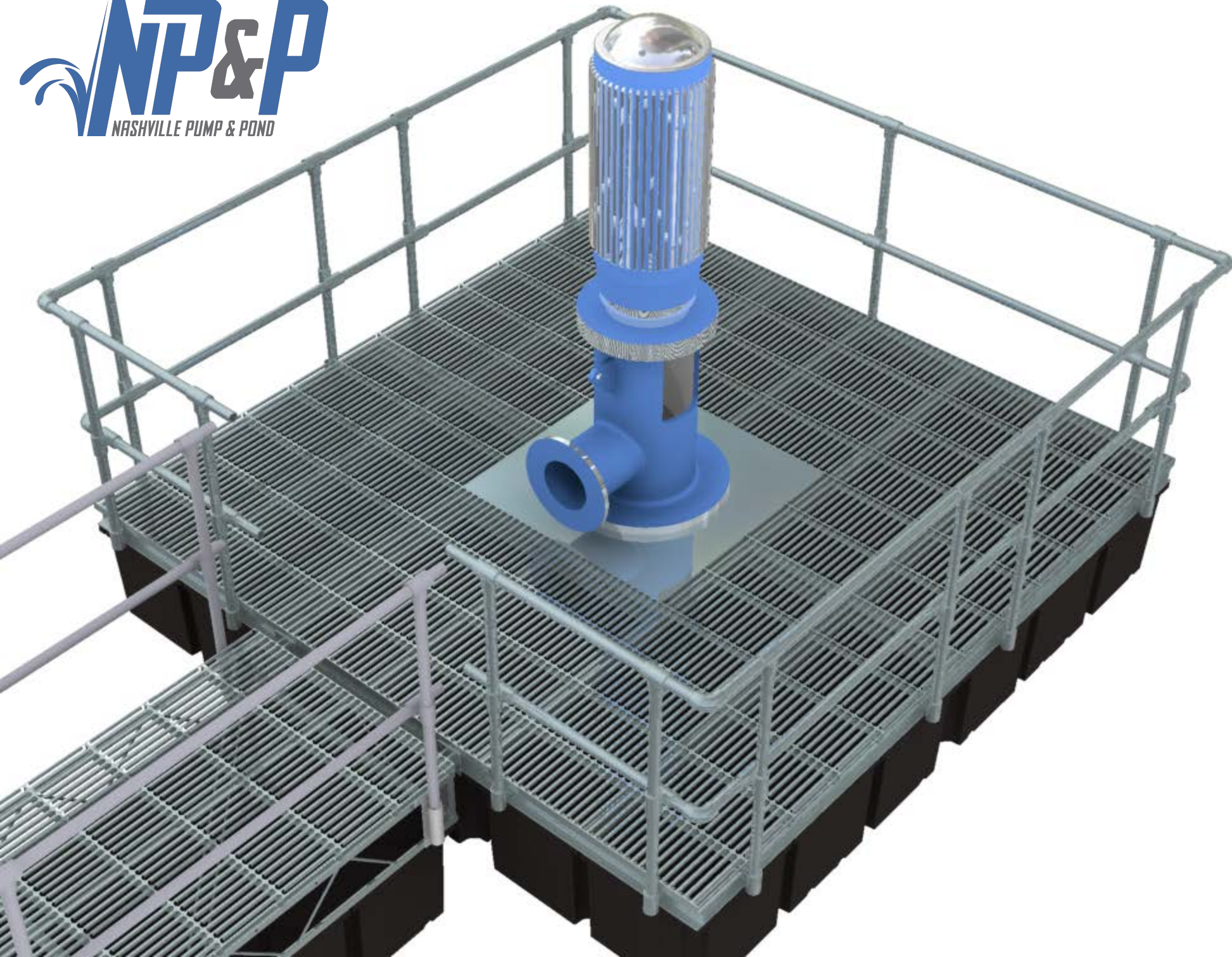
Std. Shaft Diameter	1.500"	Impeller WT- LB	17.600
Max. Shaft Diameter	1.688"	One Stage WR ² LB-FT ²	144
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting	.720"	Impeller No.	TCL1436
Discharge Sizes	8"	Max. Sphere Size	.813"
Suction Sizes	8"	K-Factor, Max.	6
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	410
One Stage Water Lube WT-LB	N/A	Min. Submergence	16"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	14.137
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.70
4	- 0.50
Based Std. Mtl's	- 2.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

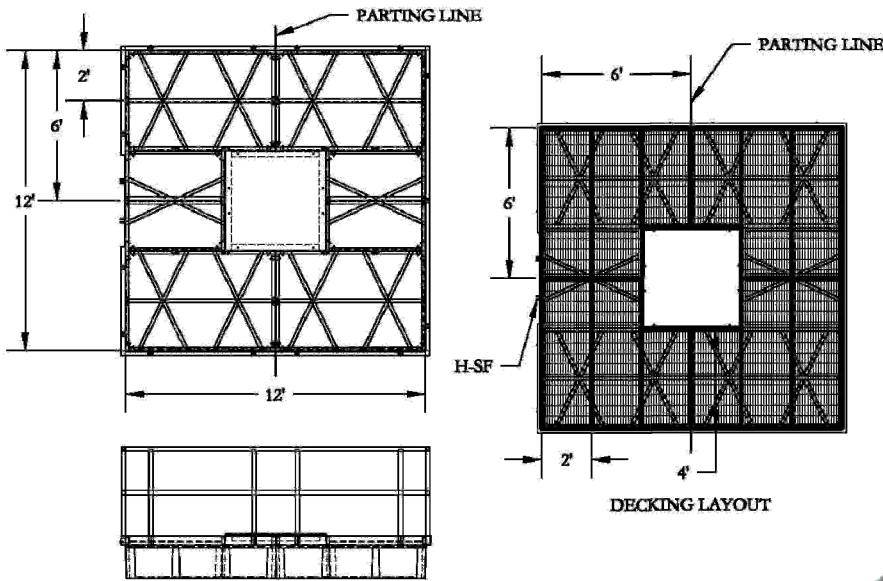
* Std. Construction:Suction Bell



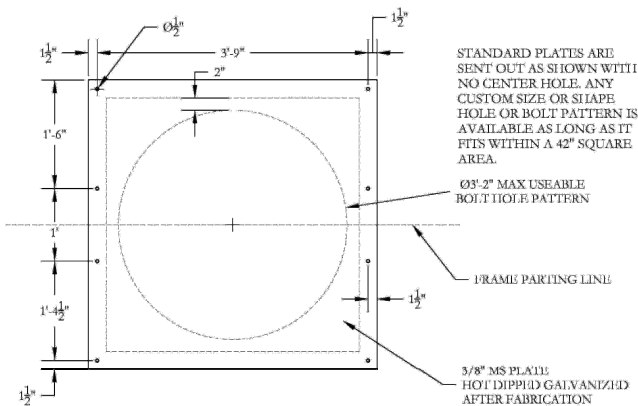


VERTICAL TURBINE PUMPS AND FLOATING PLATFORMS

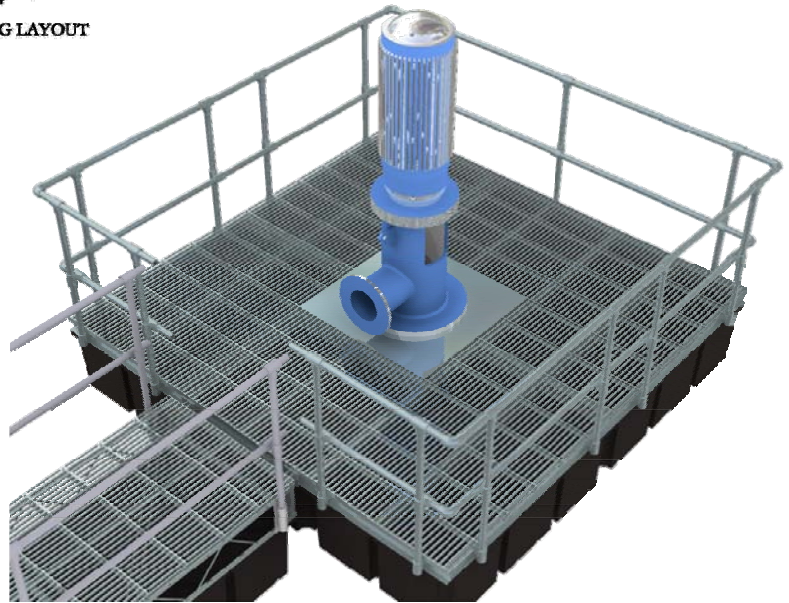
Nashville Pump & Pond 12' x 12' and 16' x 16' vertical pump docks can support 200-500 HP pumps for agriculture, water and waste water applications. The 2 sections of this rugged steel platform can be easily bolted together on site. Comes complete with floats, Galvanized Press



Lock Decking and plate for pump. Entire unit is hot dipped galvanized for long service. The base unit has 9950# of flotation. Walkways and other accessories are also available. Ships preassembled. The frame is made from 4" x 7.25 channel and hot dipped galvanized after fabrication. The handrail is 2" galvanized pipe fit together with Hollaender aluminum/ magnesium fittings. The center 3/8" x 4' x 4' plate is bolted to the frame. The plate is galvanized but has no hole so the customer can cut the correct hole for the pumps being used or send us your hole pattern drawing and we will cut holes to your specs at no additional charge. Call for complete details and pricing.

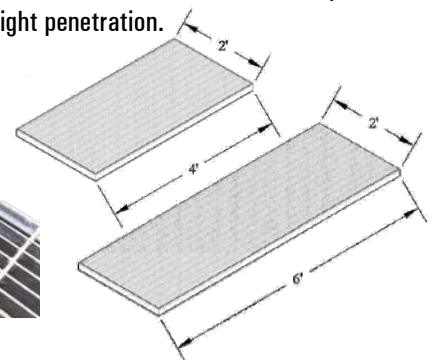


Ramps to dock, extensions of ramps and other size platforms can be constructed. Call one of our knowledgeable sales representatives to get more information.

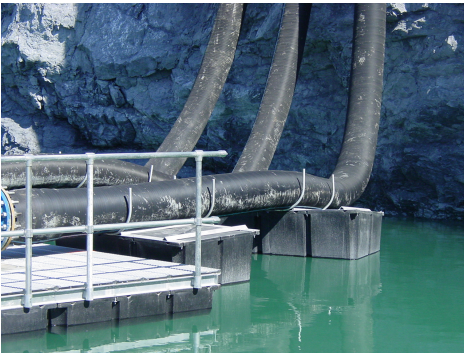


Our press lock decking comes standard (already included) on our vertical pump floating platform but can be purchased individually as shown below. These are industrial strength galvanized steel panels, great for high traffic or commercial needs. These are ideal for walkways and ramps. Allows for 65% sunlight penetration.

100 PSF LOADING



VERTICAL TURBINE PUMPS AND FLOATING PLATFORMS



Pipe line float carrying 18" pipe from pump

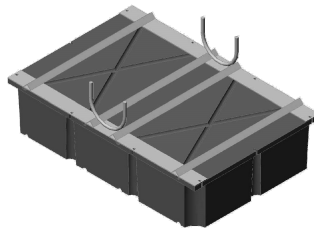
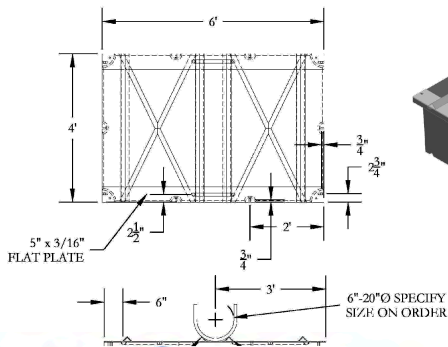


Large vertical pump with walkway.



3 pumps on 3 floating platforms attached together.

PIPE LINE FLOAT



Nashville Pump & Pond pipe line float can be made to accommodate most size pipes. It is a simple, effective way to support a pipe from your pump to land. The frame is hot dipped galvanized after fabrication, frame bolts directly to a float.



FLOATING WALKWAYS

Nashville Pump & Pond floating walkways are available in many different lengths and come complete with handrail and our press lock decking (page 32). The standard width that works best with our pump docks is 4'. The section shown below is a 4' x 40' section. Sections can pin or bolt together in 10' increments to allow for easy assembly on site.





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

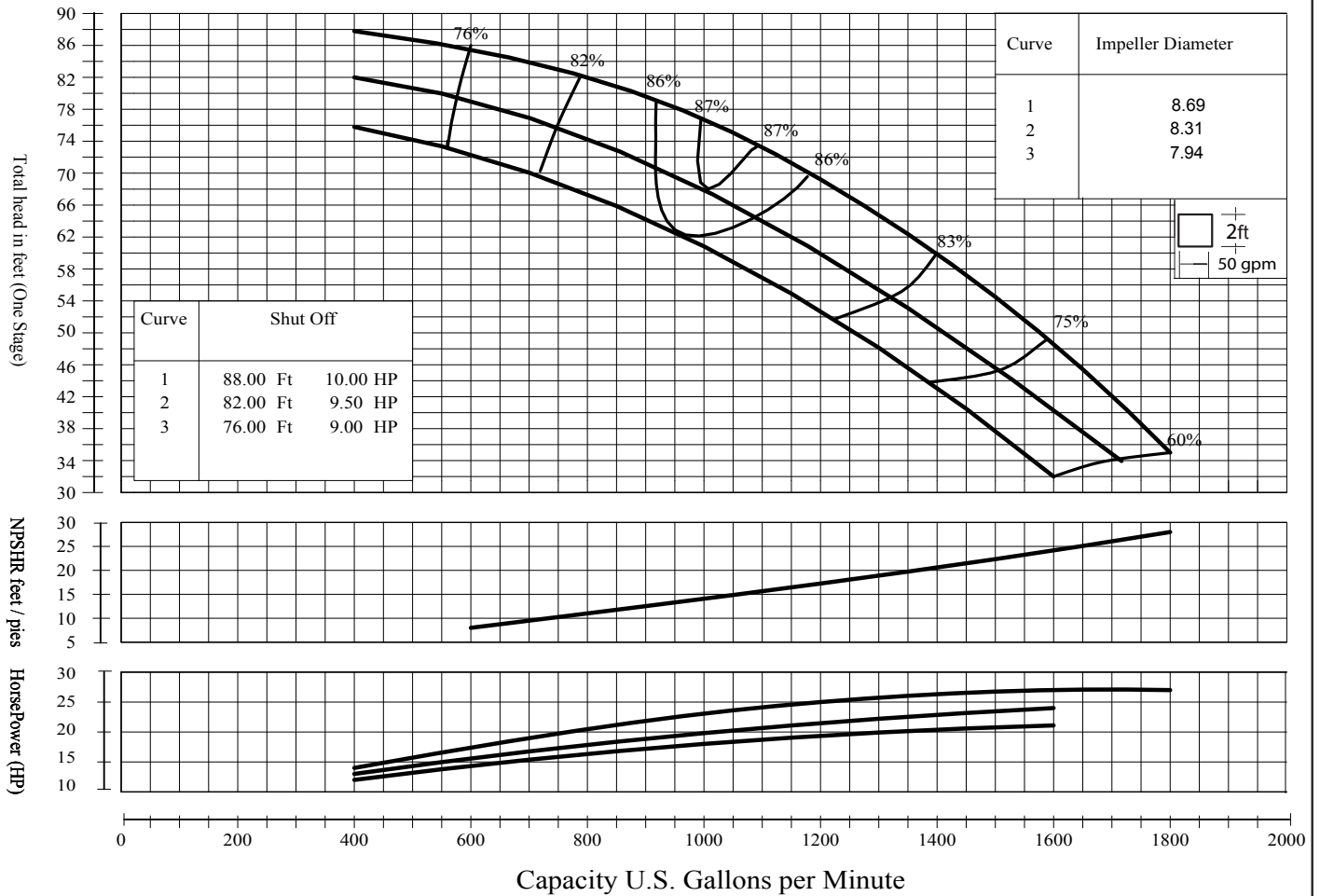
EFFIC.

MODEL
NPP12YH

END USER:

PROJECT:

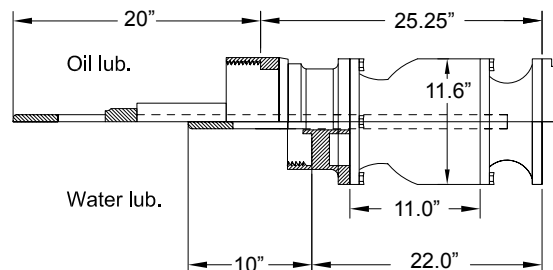
RPM
1770



Std. Shaft Diameter	1 11/16"	Impeller WT- LB	19
Max. Shaft Diameter	1 11/16"	One Stage WR ² LB-FT ²	1.7
Std. Lateral Setting	1.0"	Impeller Type	ENCLOSED
Max. Lateral Setting	1.25"	Impeller No.	3 C
Discharge Sizes	8", 10"	Max. Sphere Size	C.F.
Suction Sizes	10"	K-Factor, Max.	7.5
One Stage Subm. WT-LB	C.F.	Max. Operating P.S.I	350
One Stage Water Lube WT-LB	265	Min. Submergence	37.73"
One Stage Oil Lube WT-LB	300	Impeller Eye Area IN ²	20.5
Add. Stage WT- LB	125	Specific Speed	2200

Stages	Efficiency Correction
1	-3
2	-2
3	-0.5
Based Std. Mtl's	
Characteristics based upon pump clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

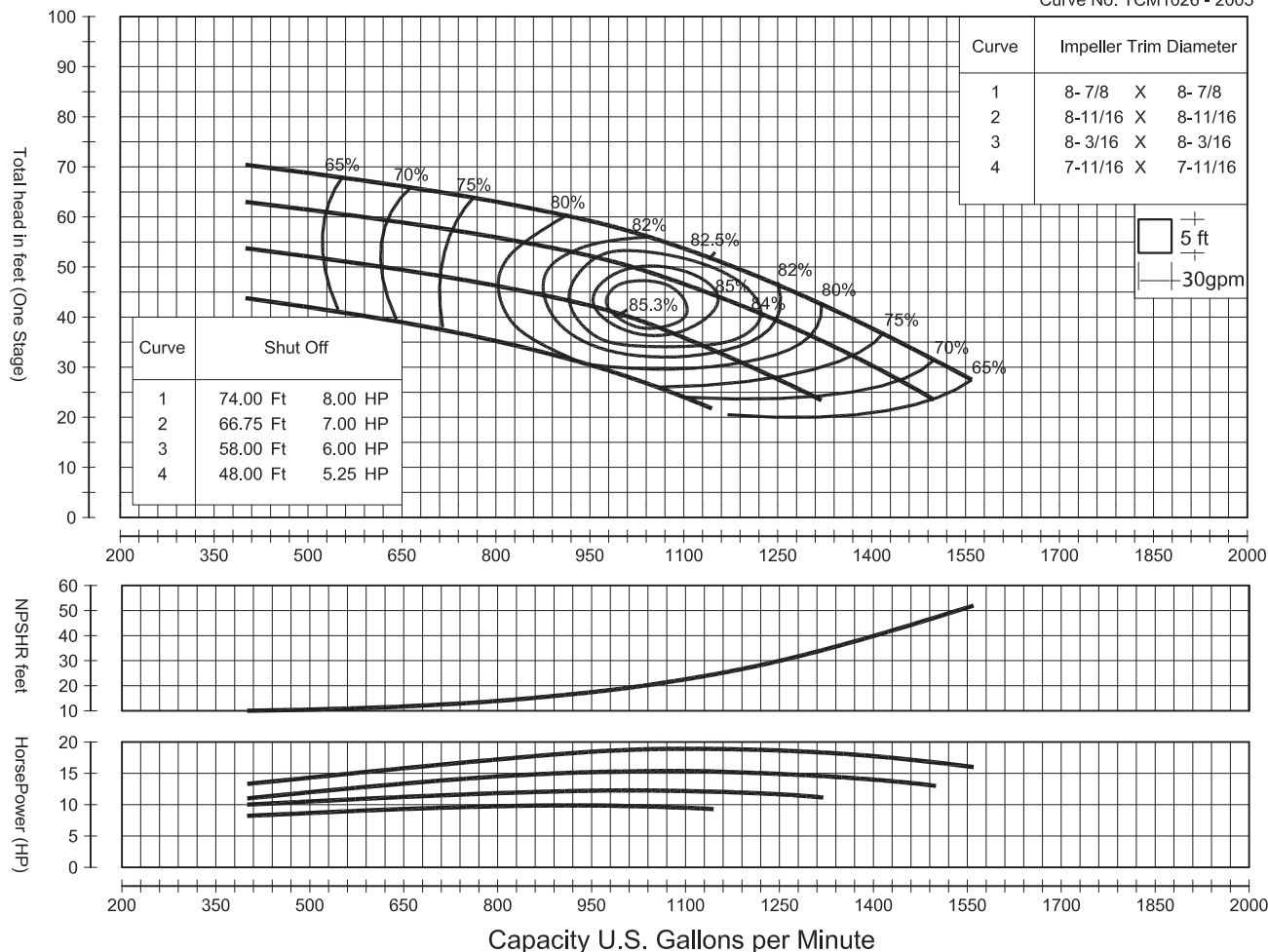
MODEL
NPP12ML

END USER:

PROJECT:

RPM
1760

Curve No. TCM1026 - 2005

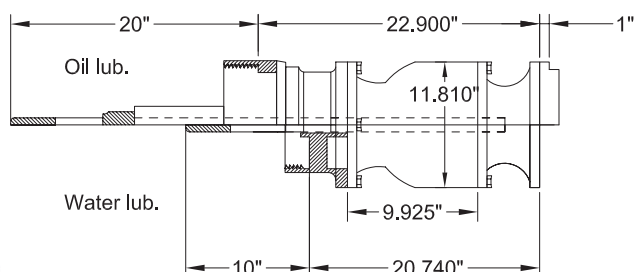


Std. Shaft Diameter	1.500"	Impeller WT- LB	17.600
Max. Shaft Diameter	1.688"	One Stage WR ² LB-FT ²	188
Std. Lateral Setting	.189"	Impeller Type	ENCLOSED
Max. Lateral Setting	1.073"	Impeller No.	TCM1426
Discharge Sizes	8"	Max. Sphere Size	.500"
Suction Sizes	8"	K-Factor, Max.	7.9
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	357
One Stage Water Lube WT-LB	229.82	Min. Submergence	16"
One Stage Oil Lube WT-LB	251.86	Impeller Eye Area IN ²	17.868
Add. Stage WT- LB	107.80	Specific Speed	N/A

Stages	Efficiency Correction
1	- 2.00
2	- 1.00
Based Std. Mtl's	- 3.00

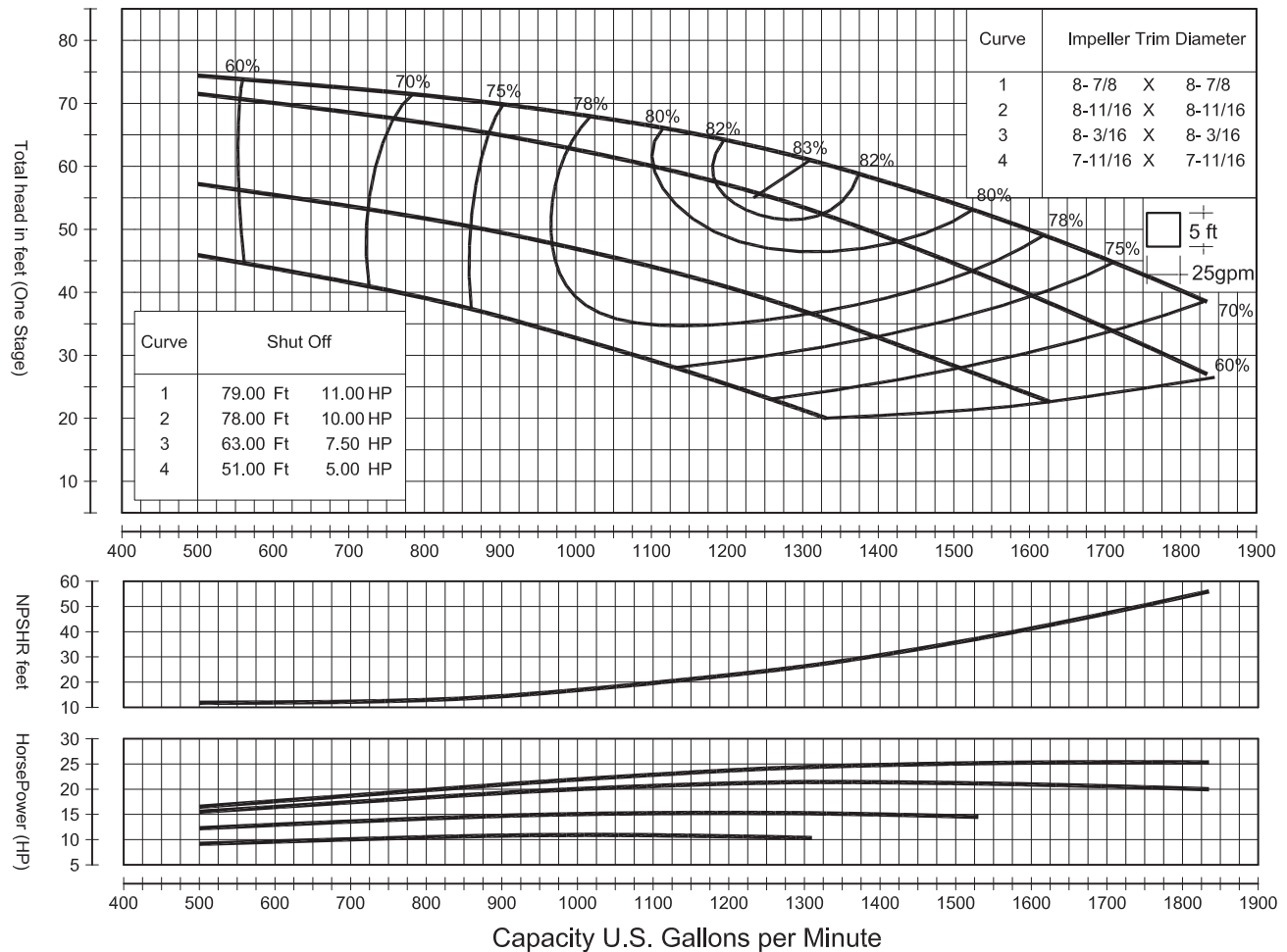
Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Suction Bell
pumpandpond.com



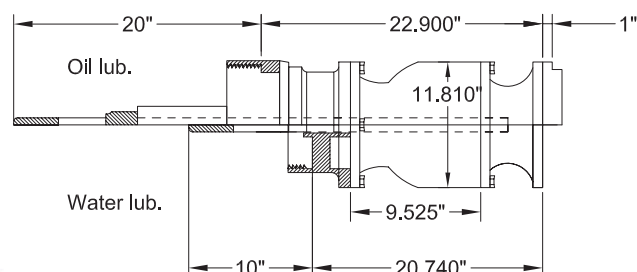


CONTRACTOR:	GPM	TDH	HP	EFFIC.	MODEL NPP12MH
ENGINEER:	SERVICE CONDITION:			STAGES	
END USER:	PROJECT:				RPM 1760



Std. Shaft Diameter	1.500"	Impeller WT- LB	13.228	Stages	Efficiency Correction
Max. Shaft Diameter	1.688"	One Stage WR ² LB-FT ²	1.306		
Std. Lateral Setting	.189"	Impeller Type	ENCLOSED	1 2	- 2.00 - 1.00
Max. Lateral Setting	.916"	Impeller No.	TCM1436		
Discharge Sizes	8",10"	Max. Sphere Size	.813"	Based Std. Mtl's	- 3.00
Suction Sizes	8"	K-Factor, Max.	6.00		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	385		
One Stage Water Lube WT-LB	210.76	Min. Submergence	N/A		
One Stage Oil Lube WT-LB	232.80	Impeller Eye Area IN ²	17.868	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
Add. Stage WT- LB	88.626	Specific Speed	N/A		

* Std. Construction: Discharge 8"
pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

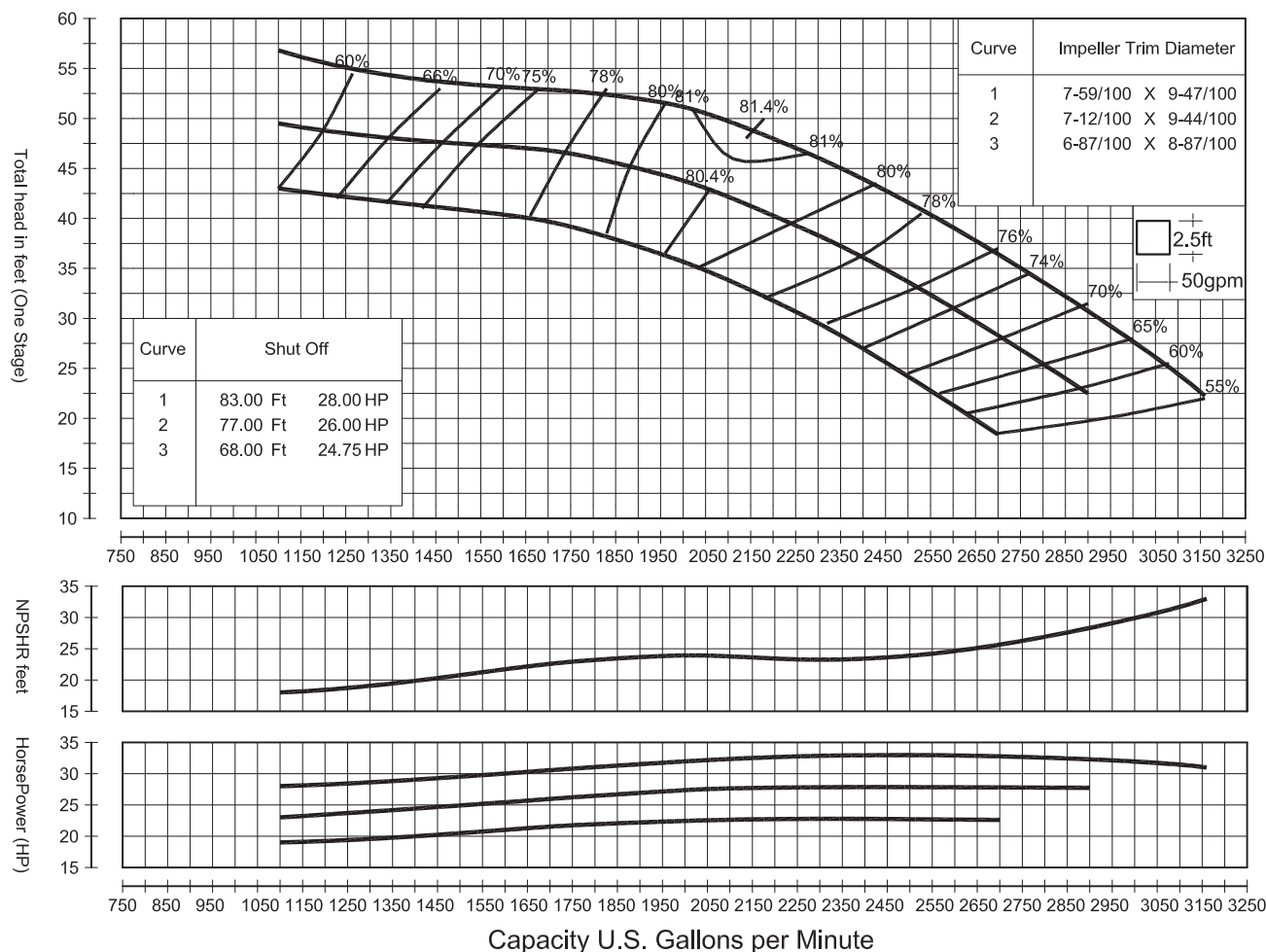
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP12HH

RPM
1760

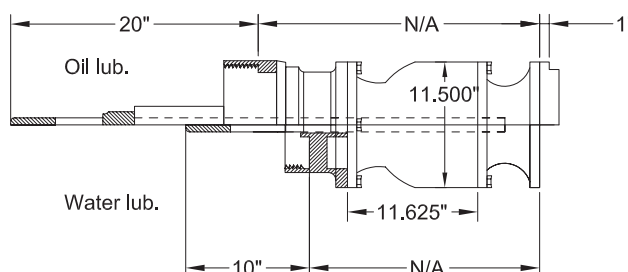


Std. Shaft Diameter	1.938"	Impeller WT- LB	N/A
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	185
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	1.000"	Impeller No.	TCX1416
Discharge Sizes	10"	Max. Sphere Size	1.500"
Suction Sizes	10"	K-Factor, Max.	11
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	355
One Stage Water Lube WT-LB	N/A	Min. Submergence	17"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	32.837
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 2.00
2	- 1.00
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Suction Bell
pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

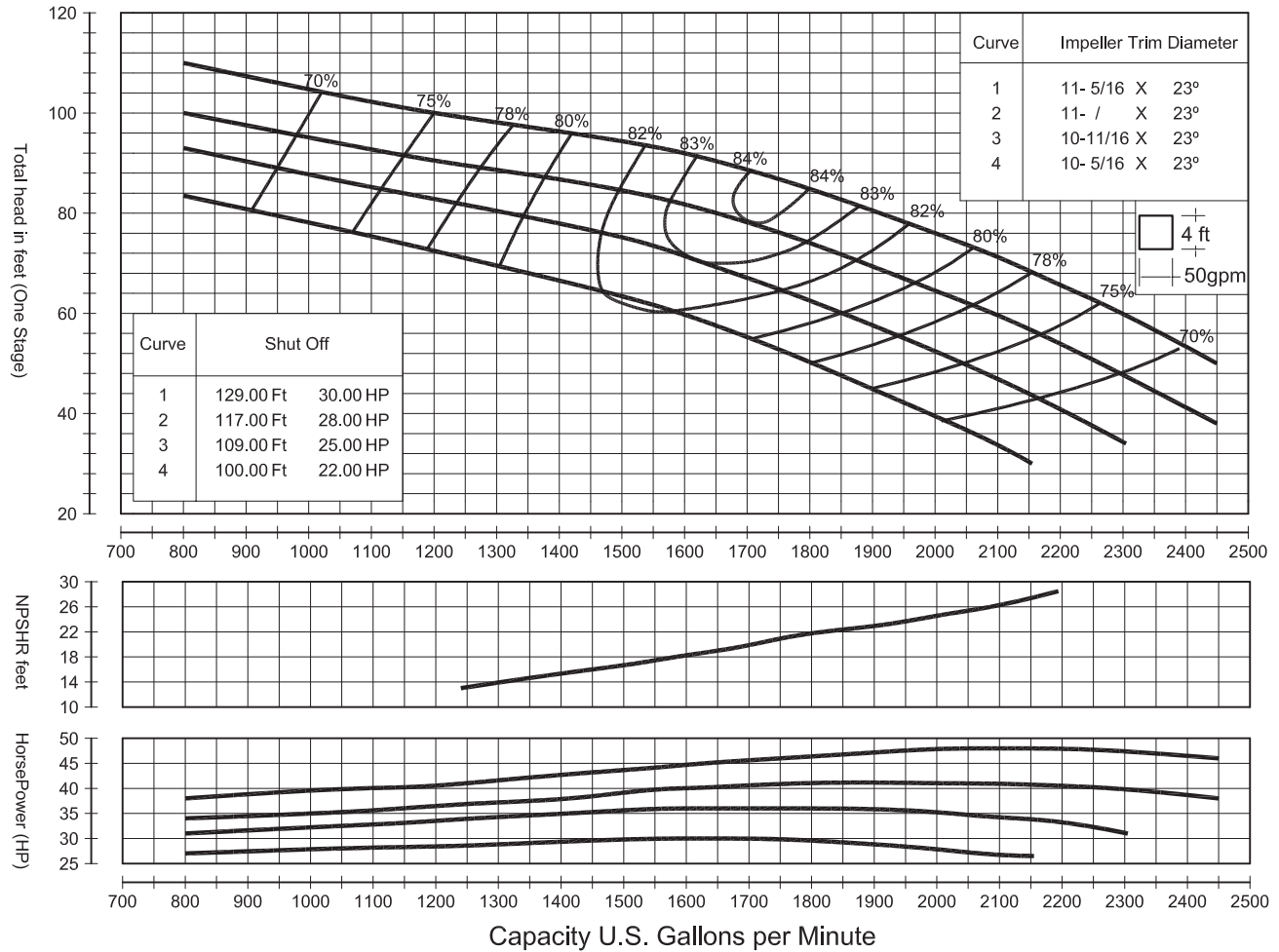
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP14LH

RPM
1760

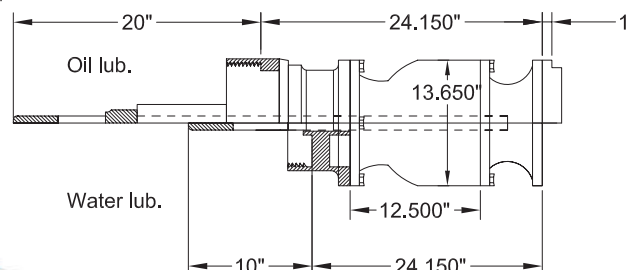


Std. Shaft Diameter	1.938"	Impeller WT- LB	27.99
Max. Shaft Diameter	2.187"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.813"	Impeller No.	TCL1017
Discharge Sizes	10", 12"	Max. Sphere Size	.750"
Suction Sizes	10"	K-Factor, Max.	17.2
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	540
One Stage Water Lube WT-LB	316.80	Min. Submergence	30"
One Stage Oil Lube WT-LB	338.85	Impeller Eye Area IN ²	31.50
Add. Stage WT- LB	177.91	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 2.00
3	- 1.00
Based Std. Mt'l's	- 0.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 10"
pumpandpond.com





CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

SERVICE CONDITION:

STAGES

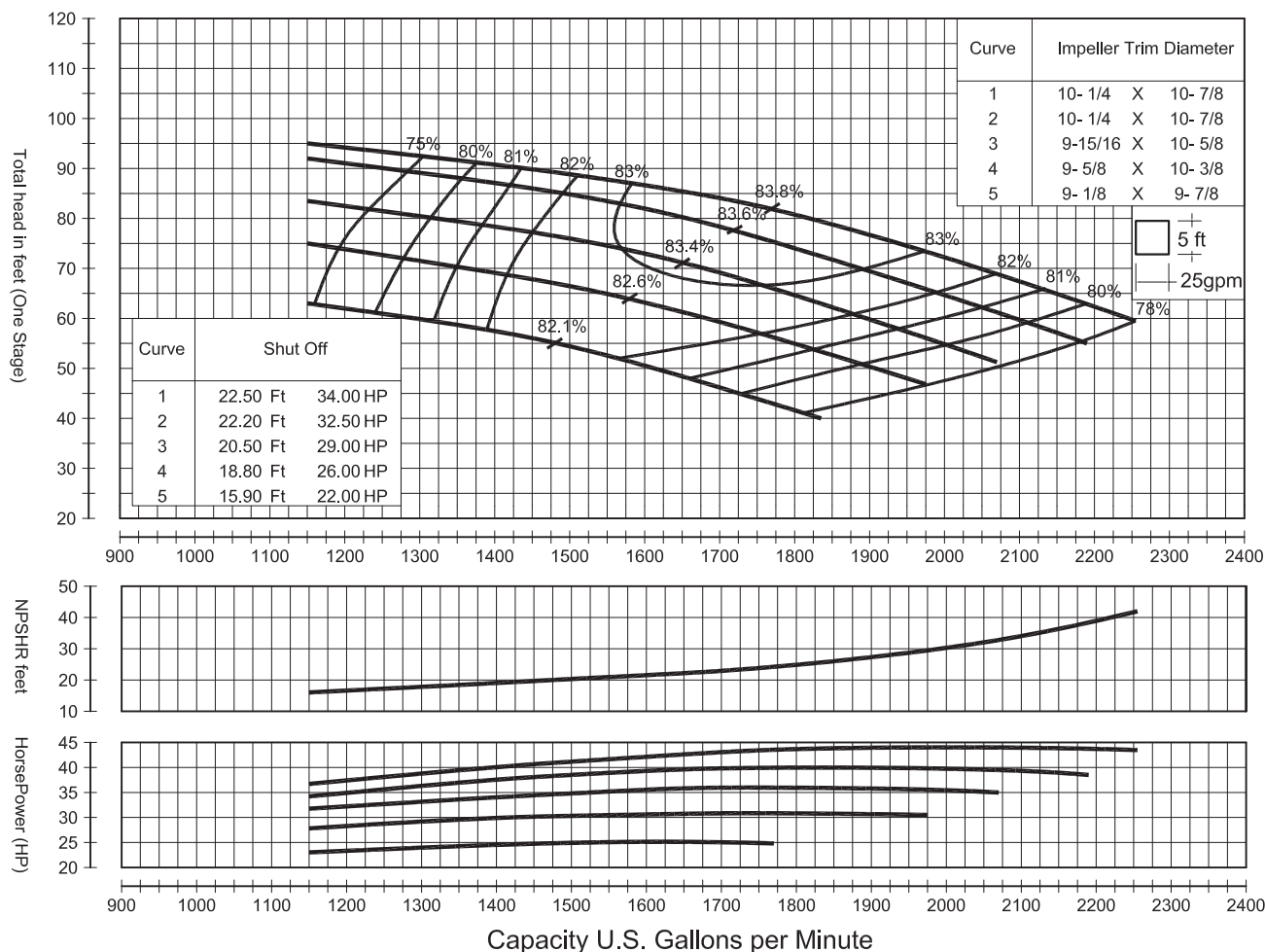
PROJECT:

MODEL

NPP14ML

RPM

1760

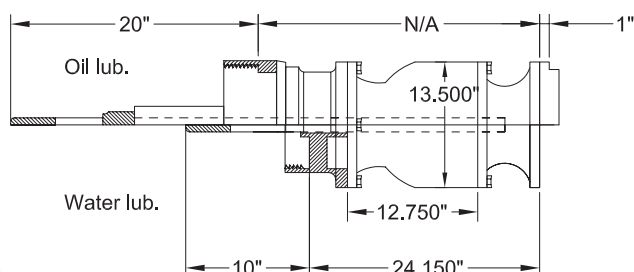


Std. Shaft Diameter	1.938"	Impeller WT- LB	24.200
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	340
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	1.063"	Impeller No.	TCM1417
Discharge Sizes	10"	Max. Sphere Size	1.000"
Suction Sizes	10"	K-Factor, Max.	10
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	303
One Stage Water Lube WT-LB	N/A	Min. Submergence	16.63"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	25.326
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.40
2	- 0.30
3	- 0.25
4	- 0.20
Based Std. Mtl's	- 3.50

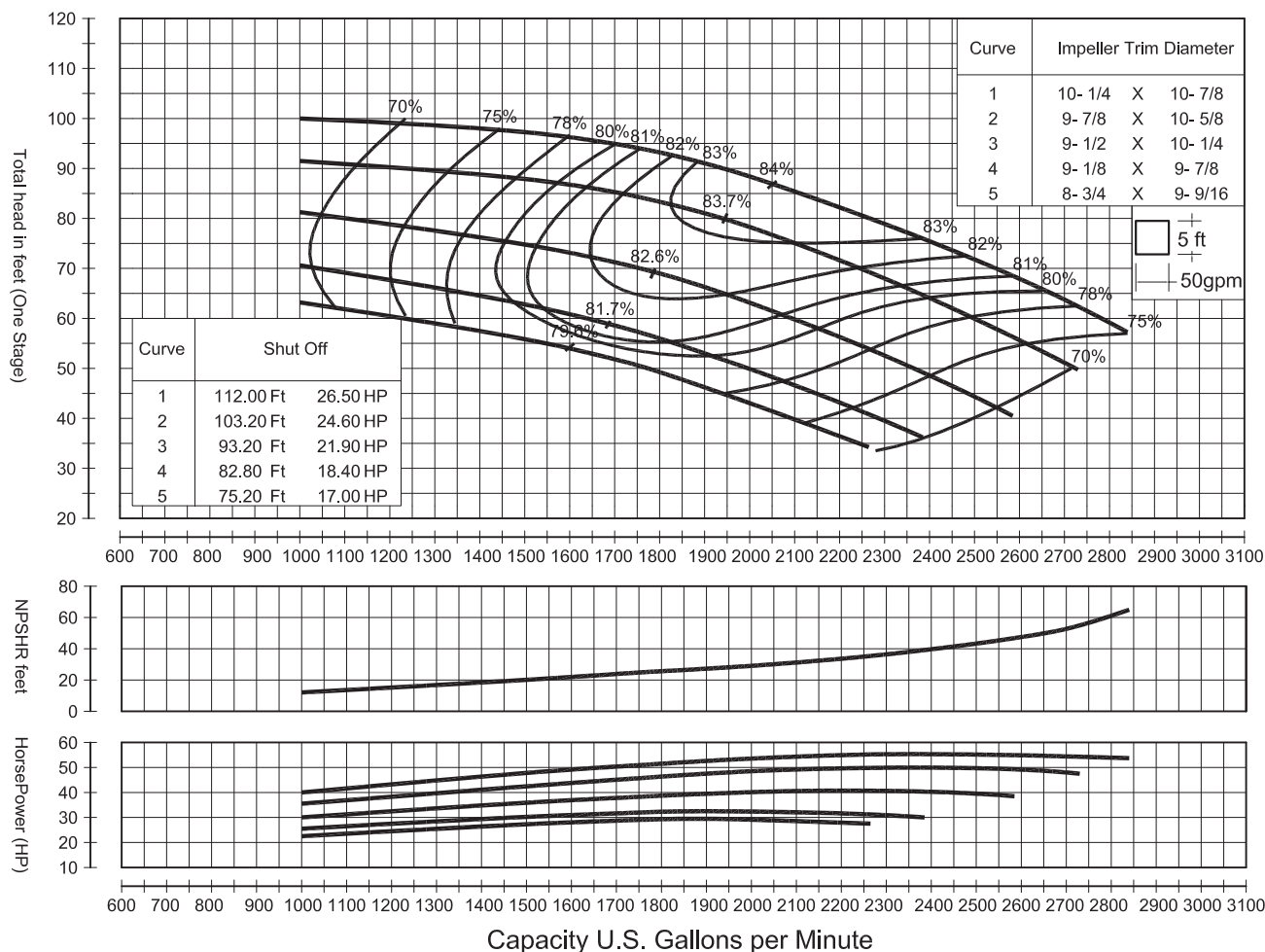
Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Suction Bell
pumpandpond.com





CONTRACTOR:	GPM TDH HP EFFIC.	MODEL NPP14MH
ENGINEER:	SERVICE CONDITION:	STAGES
END USER:		RPM 1760
PROJECT:		

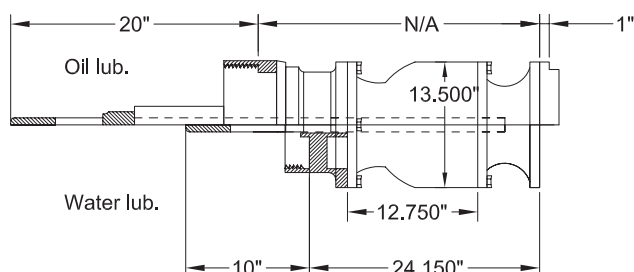


Std. Shaft Diameter	1.938"	Impeller WT- LB	25.080
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	340
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.938"	Impeller No.	TCM1427
Discharge Sizes	10"	Max. Sphere Size	1.000"
Suction Sizes	10"	K-Factor, Max.	10
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	303
One Stage Water Lube WT-LB	N/A	Min. Submergence	16.63"
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area IN ²	26.053
Add. Stage WT- LB	N/A	Specific Speed	N/A

Stages	Efficiency Correction
1	- 1.40
2	- 0.80
3	- 0.40
4	- 0.20
Based Std. Mtl's	- 3.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Suction Bell
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

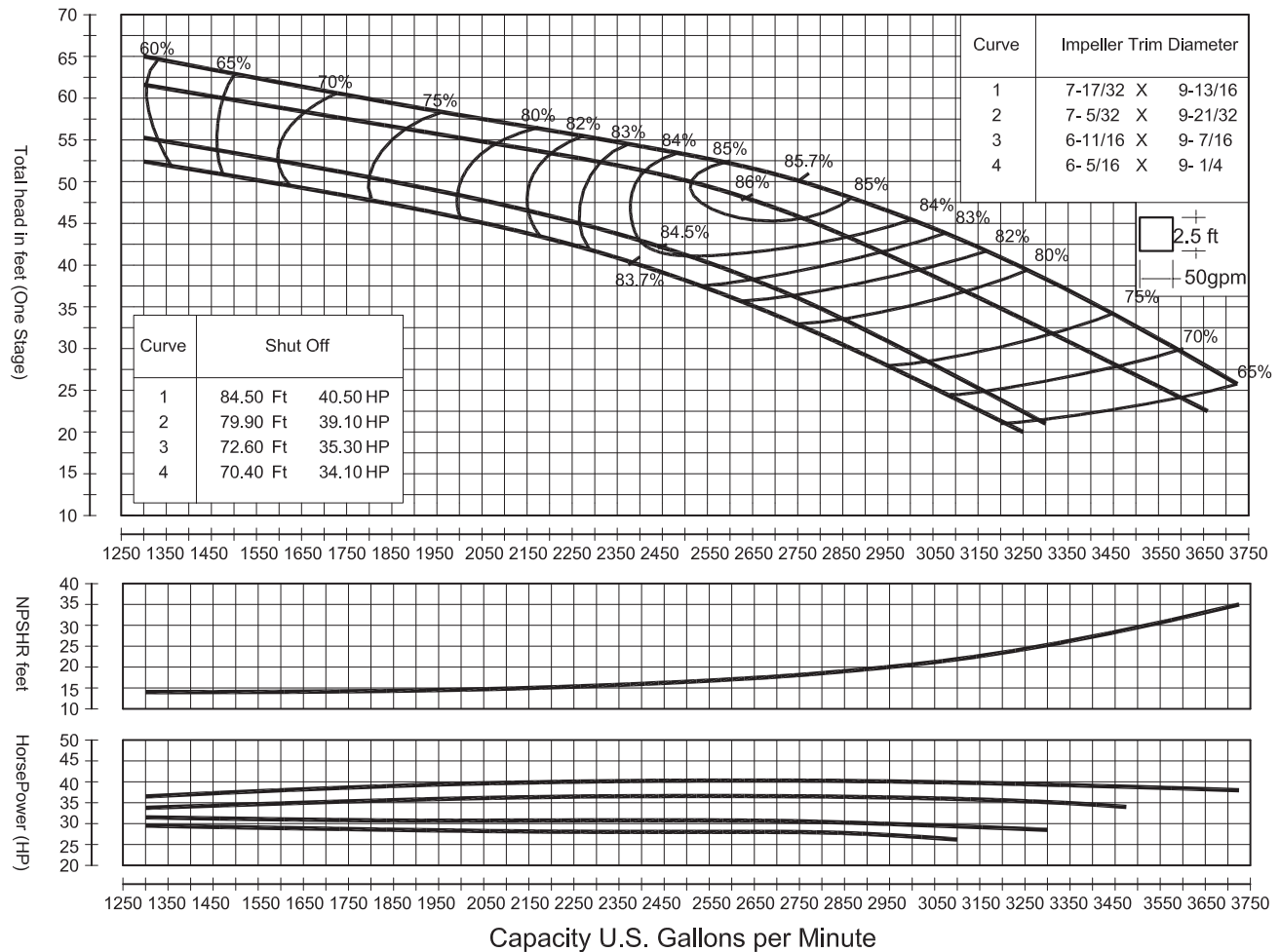
NPP14HL

END USER:

PROJECT:

RPM

1760



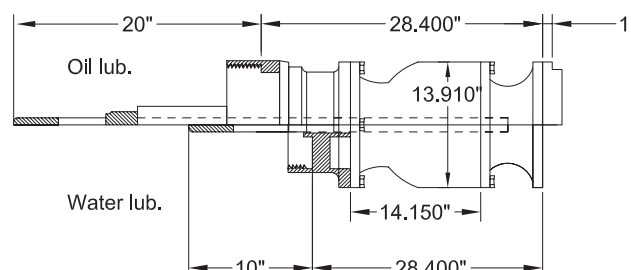
Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	3.125
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.813"	Impeller No.	TCH1417
Discharge Sizes	10", 12"	Max. Sphere Size	.688"
Suction Sizes	10"	K-Factor, Max.	23
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	300
One Stage Water Lube WT-LB	319.67	Min. Submergence	N/A
One Stage Oil Lube WT-LB	346.12	Impeller Eye Area IN ²	48.02
Add. Stage WT- LB	180.77	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.50
Based Std. Mtl's	- 4.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 12"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

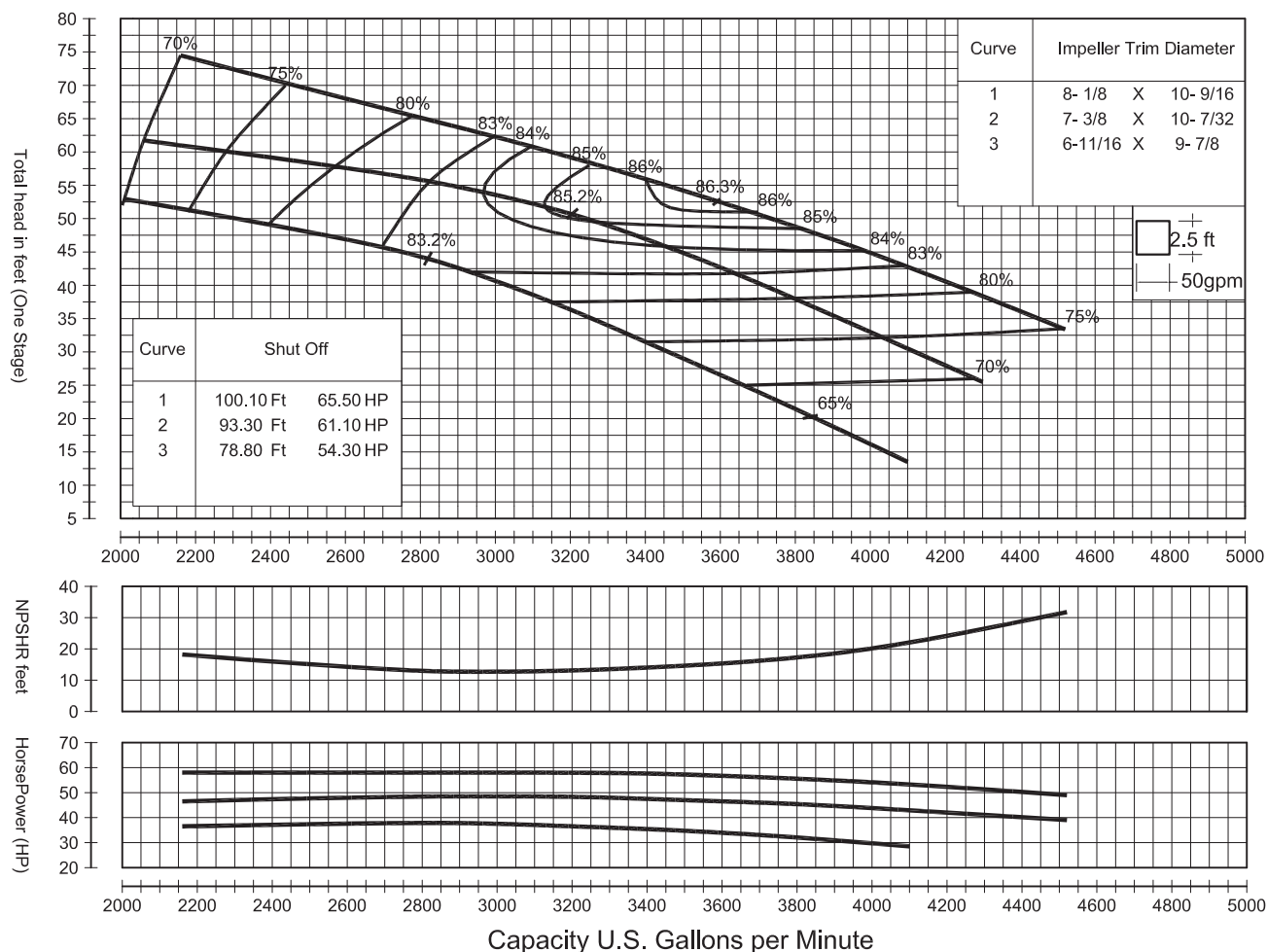
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SERVICE CONDITION:

PROJECT:

MODEL
NPP14HH

RPM
1760

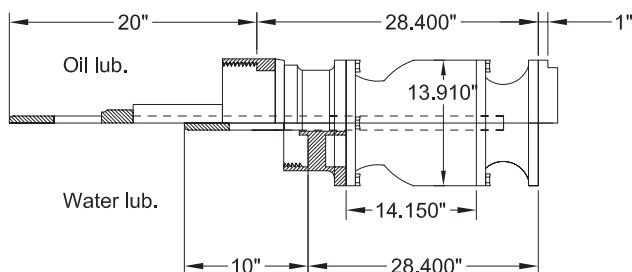


Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	3.278
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.719"	Impeller No.	TCH1427
Discharge Sizes	10", 12"	Max. Sphere Size	.688"
Suction Sizes	10"	K-Factor, Max.	24
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	300
One Stage Water Lube WT-LB	319.67	Min. Submergence	N/A
One Stage Oil Lube WT-LB	346.12	Impeller Eye Area IN ²	56.190
Add. Stage WT- LB	180.77	Specific Speed	N/A

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 4.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 12"
pumpandpond.com





CONTRACTOR:

ENGINEER:

GPM

TDH

HP

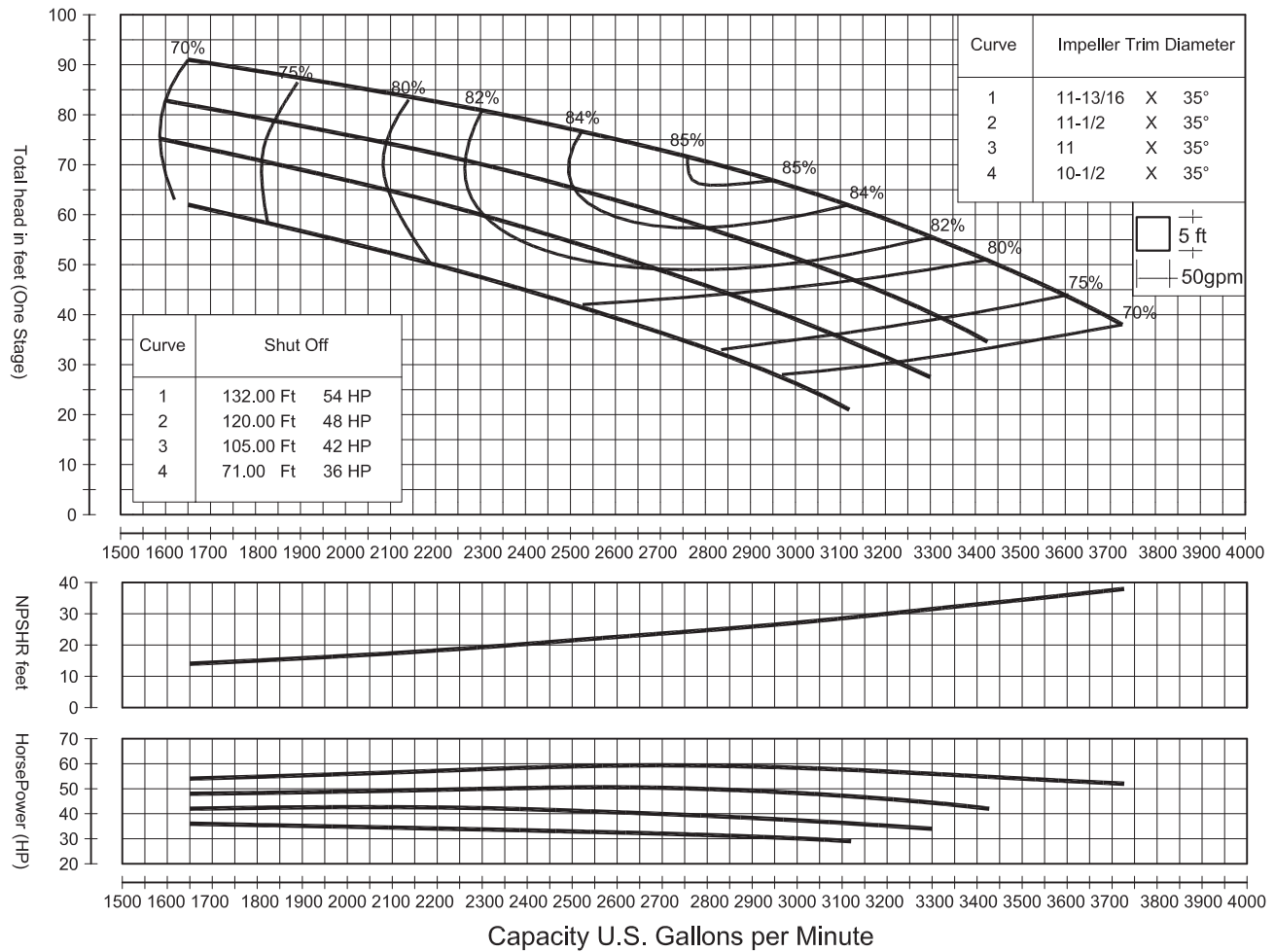
EFFIC.

MODEL
NPP14YH

END USER:

PROJECT:

RPM
1760



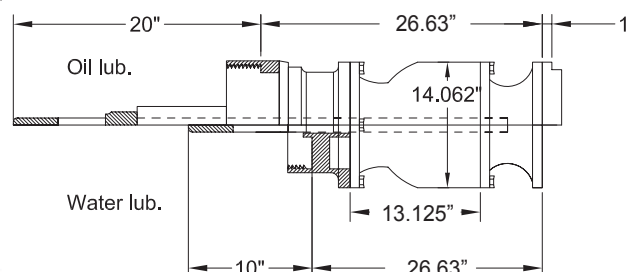
Std. Shaft Diameter	1.938"	Impeller WT- LB	31.967
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.500"	Impeller Type	ENCLOSED
Max. Lateral Setting	.875"	Impeller No.	TCX1417
Discharge Sizes	10", 12"	Max. Sphere Size	1.500"
Suction Sizes	10"	K-Factor, Max.	24.8
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	380
One Stage Water Lube WT-LB	318.56	Min. Submergence	34"
One Stage Oil Lube WT-LB	340.61	Impeller Eye Area IN ²	47.3
Add. Stage WT- LB	179.67	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 2.00
3	- 1.00
Based Std. Mt'l's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 12"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

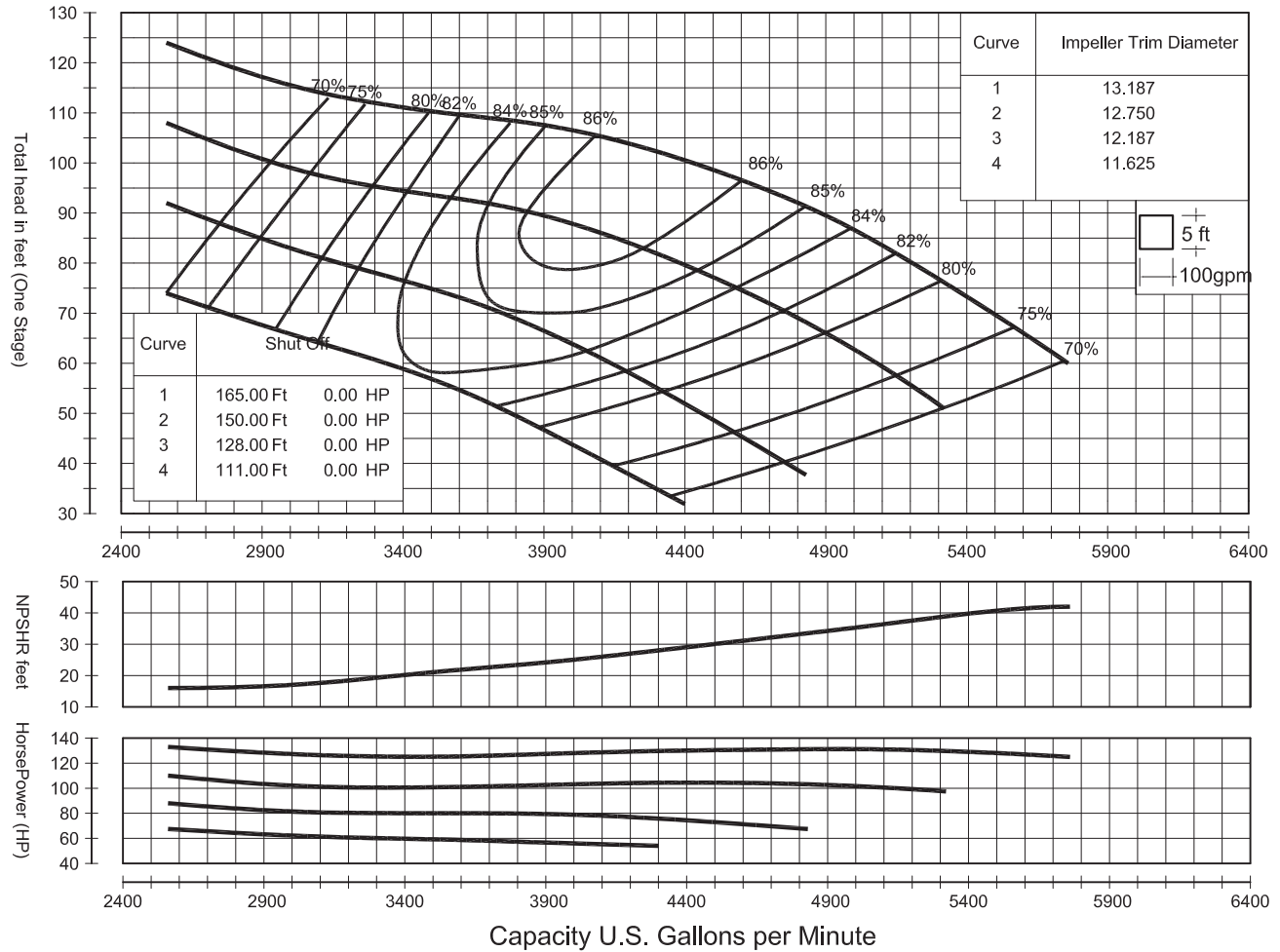
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP16MH

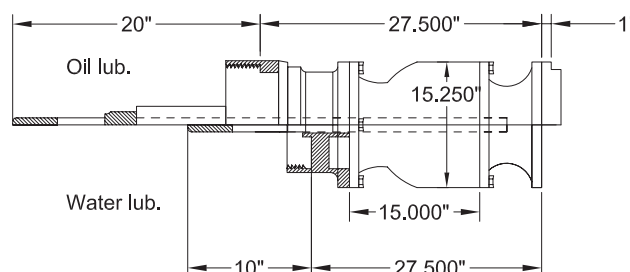
RPM
1760



Std. Shaft Diameter	1.938"	Impeller WT- LB	36.37	Stages	Efficiency Correction
Max. Shaft Diameter	2.187"	One Stage WR ² LB-FT ²	4.677	1	- 3.00
Std. Lateral Setting	.500"	Impeller Type	ENCLOSED	2	- 2.00
Max. Lateral Setting	.750"	Impeller No.	TCM1418	3	- 1.00
Discharge Sizes	12", F	Max. Sphere Size	1.375"	Based Std. Mtl's	- 2.00
Suction Sizes	12", F	K-Factor, Max.	27.5	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	457		
One Stage Water Lube WT-LB	411.16	Min. Submergence	39"		
One Stage Oil Lube WT-LB	437.61	Impeller Eye Area IN ²	79.150		
Add. Stage WT- LB	223.76	Specific Speed	3734		

* Std. Construction: Discharge 12"

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

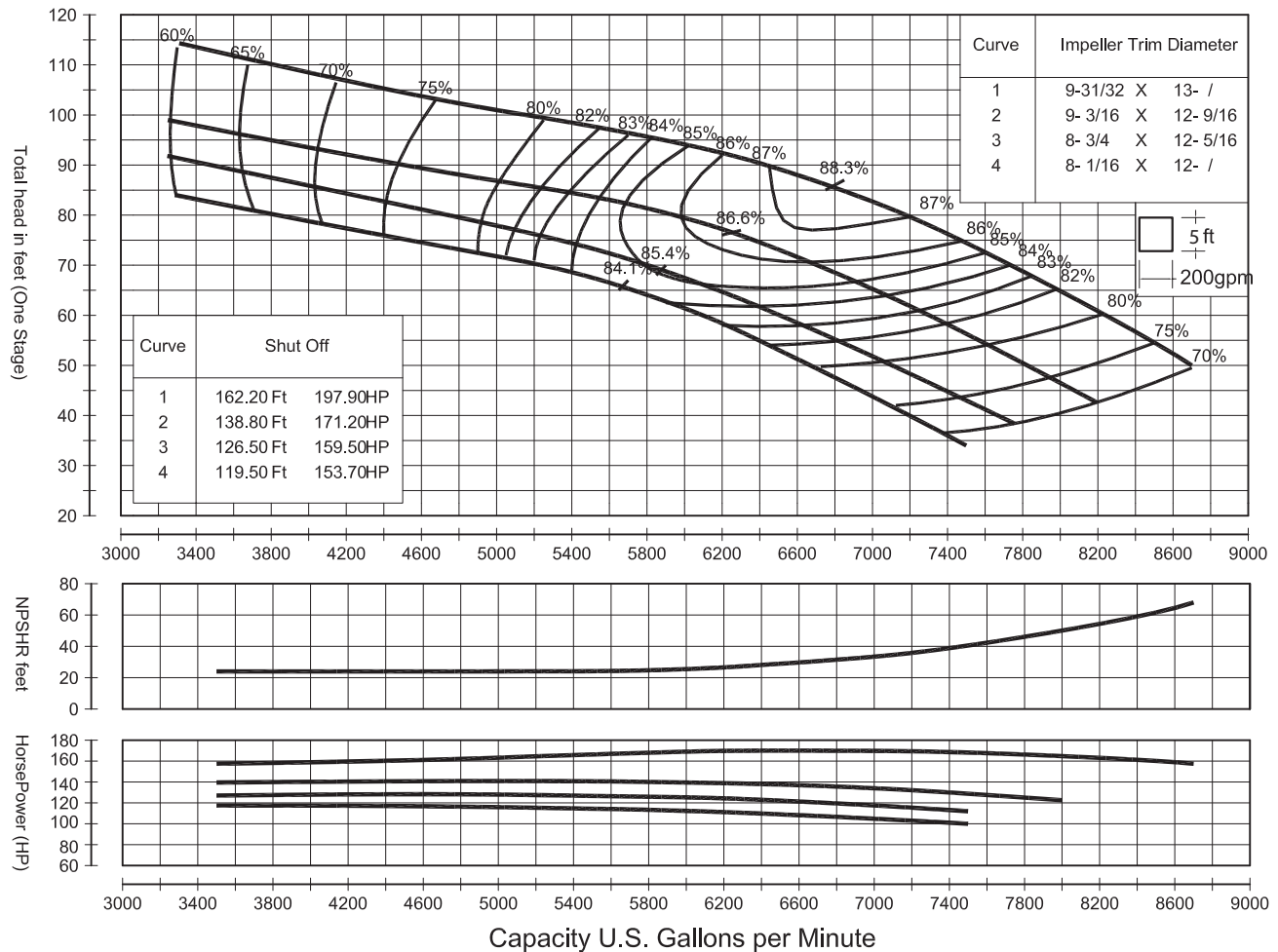
EFFIC.

MODEL
NPP18HL

END USER:

PROJECT:

RPM
1760

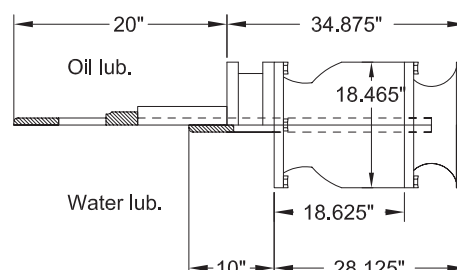


Std. Shaft Diameter	1.938"	Impeller WT- LB	63.93
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	13.194
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1419
Discharge Sizes	F	Max. Sphere Size	.875"
Suction Sizes	N/A	K-Factor, Max.	40
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	N/A
One Stage Water Lube WT-LB	555.56	Min. Submergence	N/A
One Stage Oil Lube WT-LB	582.02	Impeller Eye Area IN ²	84.90
Add. Stage WT- LB	385.80	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.50
Based Std. Mtl's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

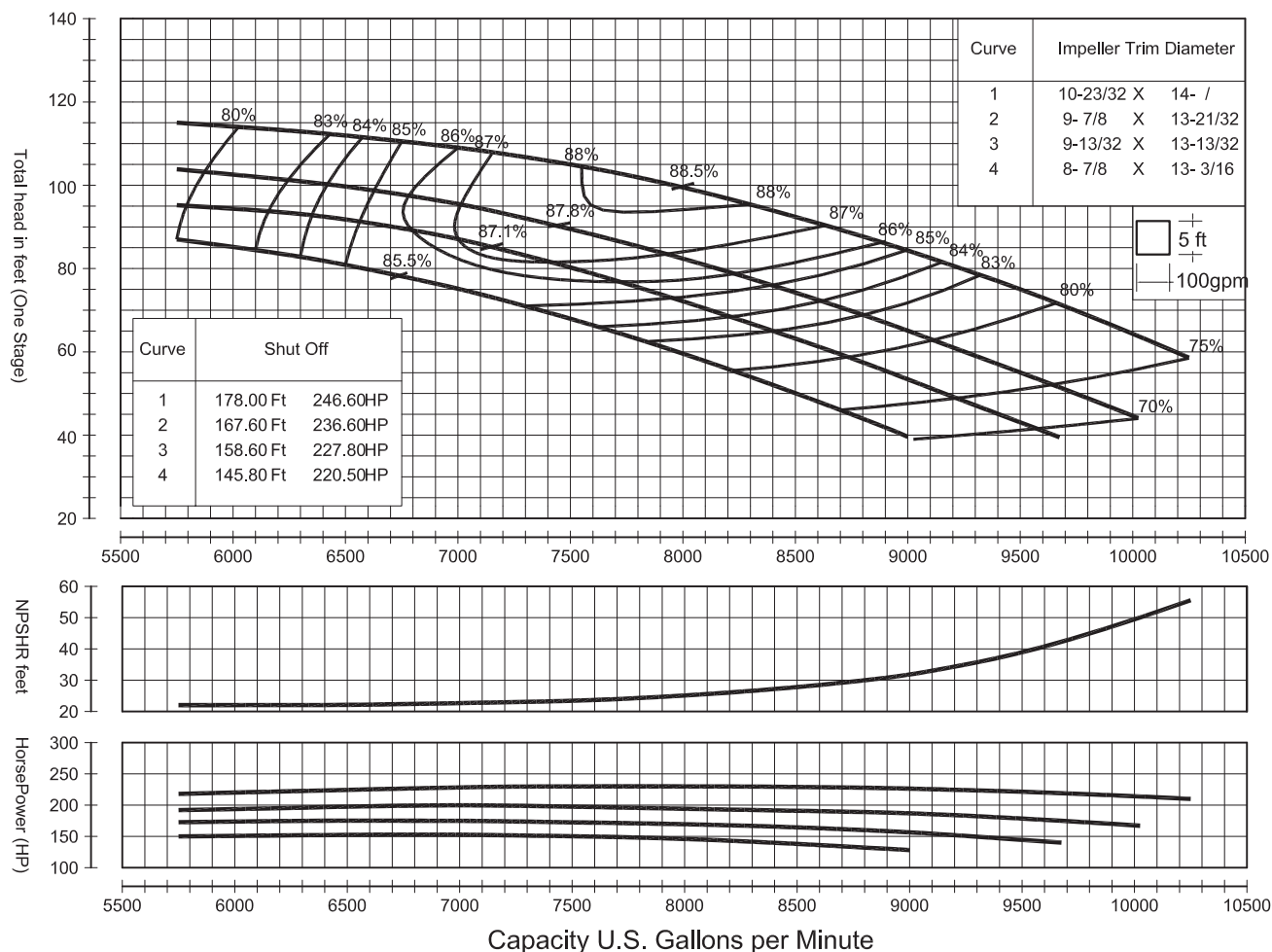
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP18HH

RPM
1760

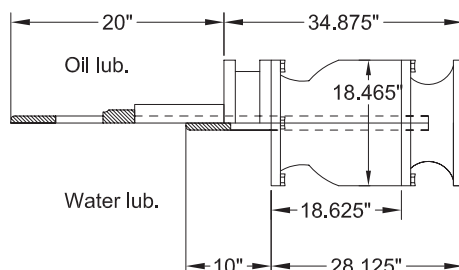


Std. Shaft Diameter	1.938"	Impeller WT- LB	63.93
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	13.194
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1429
Discharge Sizes	F	Max. Sphere Size	.875"
Suction Sizes	N/A	K-Factor, Max.	40
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	N/A
One Stage Water Lube WT-LB	555.56	Min. Submergence	N/A
One Stage Oil Lube WT-LB	582.02	Impeller Eye Area IN ²	97.86
Add. Stage WT- LB	385.80	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.50
Based Std. Mtl's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

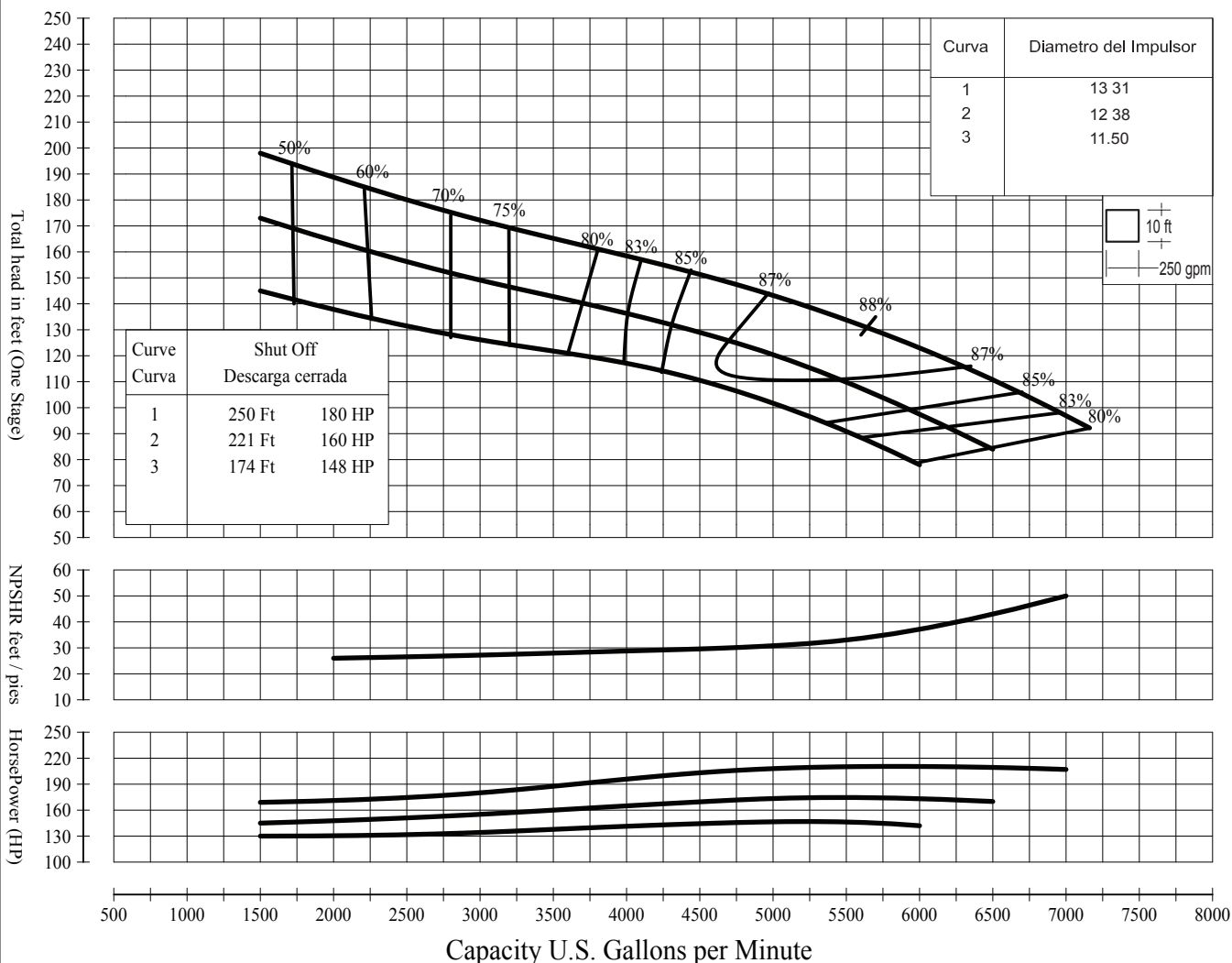
EFFIC.

MODEL
NPP20HL

END USER:

PROJECT:

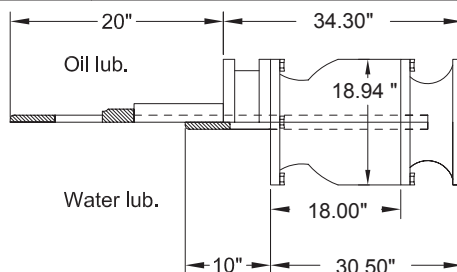
RPM
1760



Std. Shaft Diameter	1.938"	Impeller WT- LB	70	Stages	Efficiency Correction
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	17.16	1	-0.50
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED		
Max. Lateral Setting	.880"	Impeller No.	TCW1419		
Discharge Sizes	F	Max. Sphere Size	1.75		
Suction Sizes	BELL	K-Factor, Max.	31		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I			
One Stage Water Lube WT-LB		Min. Submergence	N/A		
One Stage Oil Lube WT-LB		Impeller Eye Area IN ²	80.70		
Add. Stage WT- LB		Specific Speed	3300		

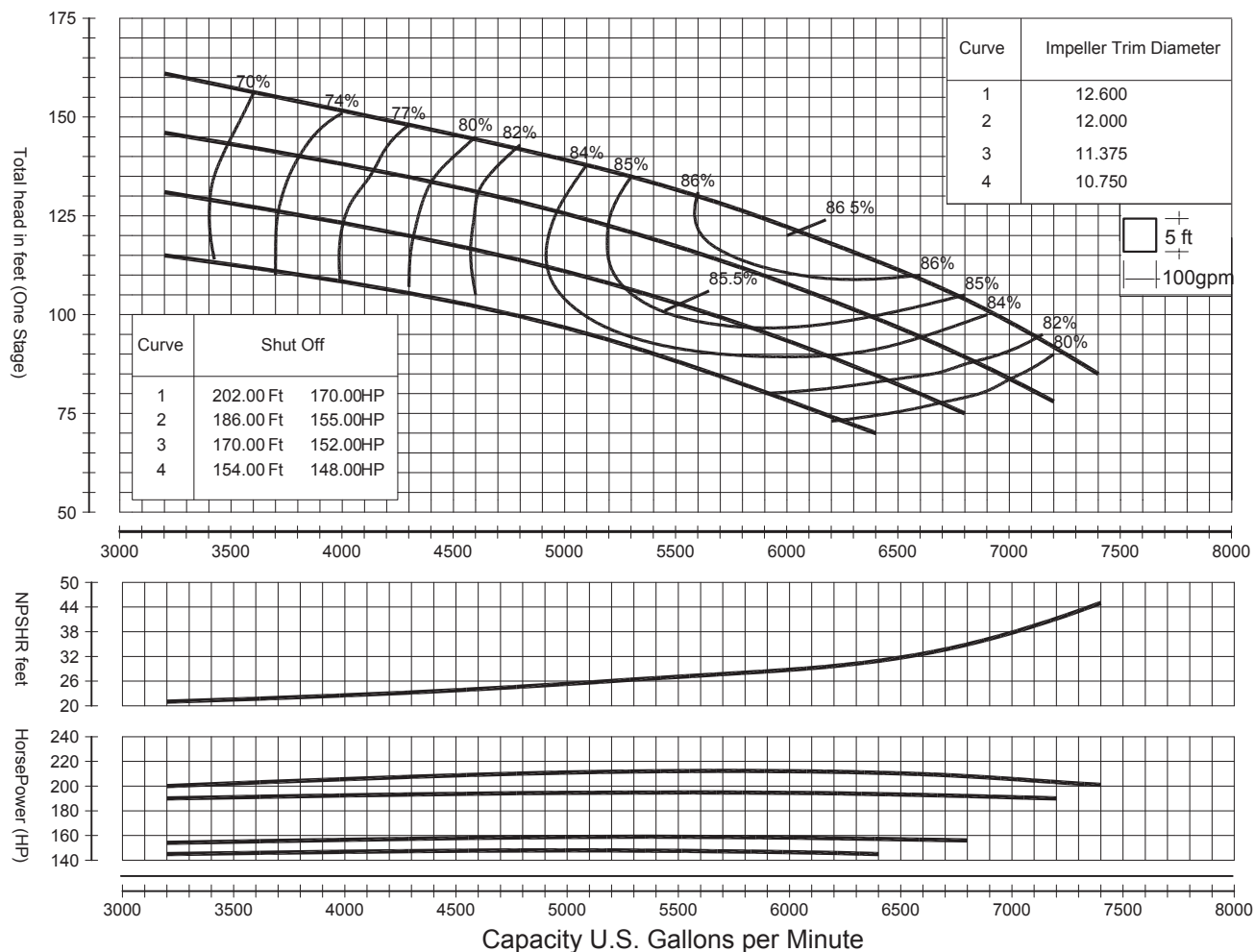
Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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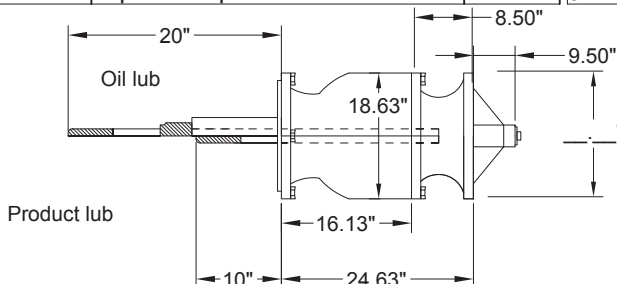


CONTRACTOR: ENGINEER:	GPM TDH HP EFFIC.	MODEL NPP19HH
	SERVICE CONDITION: STAGES	
END USER:	PROJECT:	RPM 1760



Std. Shaft Diameter		2.250"	Impeller WT- LB	54.00	Stages	Efficiency Correction
Max. Shaft Diameter		3.000"	One Stage WR ² LB-FT ²	15.00		
Opt. Lateral Setting		0.250"	Impeller Type	ENCLOSED	1	- 1.00
Max. Lateral Setting		0.750"	Impeller No.	TCW3429		
Discharge Sizes		12F, 14F, 16F	Max. Sphere Size	1.000		
Suction Sizes		BELL	K-Factor, Max.	32.00		
One Stage Subm. WT-LB		N/A	Max. Operating P.S.I	350.00		
One Stage Water Lube WT-LB		950.00	Min. Submergence	42.00	Based Std. Mtl's	Characteristics based upon pump clear, non-aerated water. Rating point only is guaranteed. Column losses not included.
One Stage Oil Lube WT-LB		1110.0	Impeller Eye Area IN ²	74.50		
Add. Stage WT- LB		430.00	Specific Speed	3789		

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

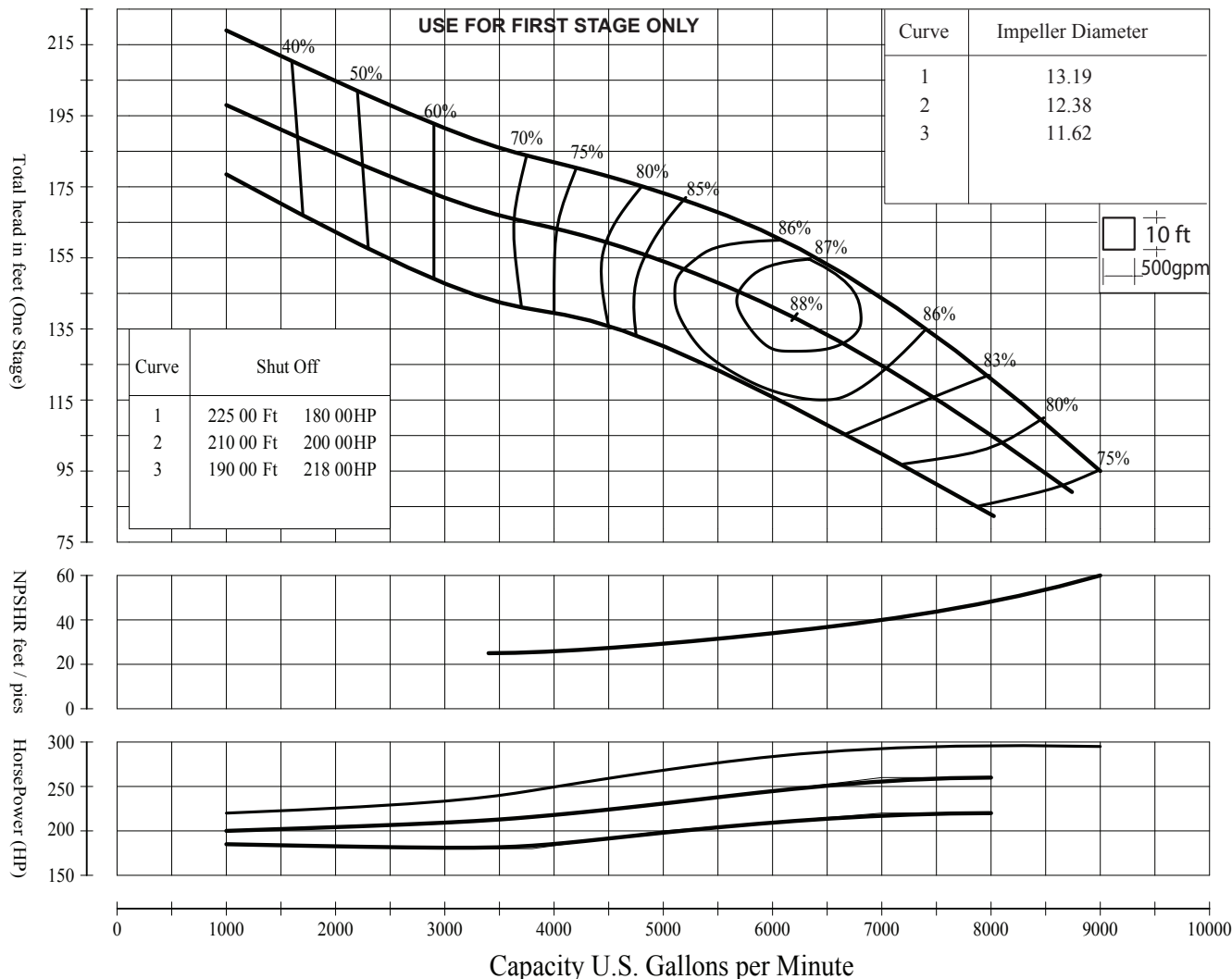
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RPM

1770

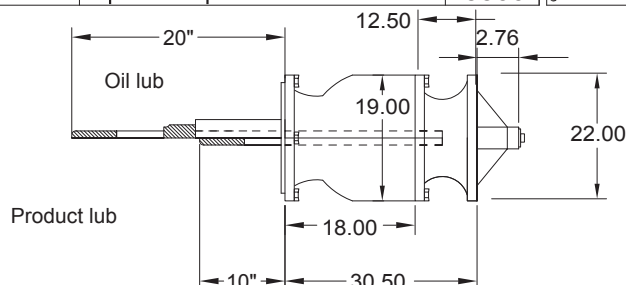
END USER:

PROJECT:



Std. Shaft Diameter	1.938"	Impeller WT- LB	70	Stages	Efficiency Correction
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	17.16		
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED		
Max. Lateral Setting	.880"	Impeller No.	TCW1419	1 2 3	Based Std. Mt's
Discharge Sizes	F	Max. Sphere Size	1.75		
Suction Sizes	BELL	K-Factor, Max.	31		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	_____		
One Stage Water Lube WT-LB	_____	Min. Submergence	N/A		
One Stage Oil Lube WT-LB	_____	Impeller Eye Area IN ²	80.70		
Add. Stage WT- LB	_____	Specific Speed	3300	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	

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CONTRACTOR:

GPM

TDH

HP

EFFIC.

MODEL

ENGINEER:

SERVICE CONDITION:

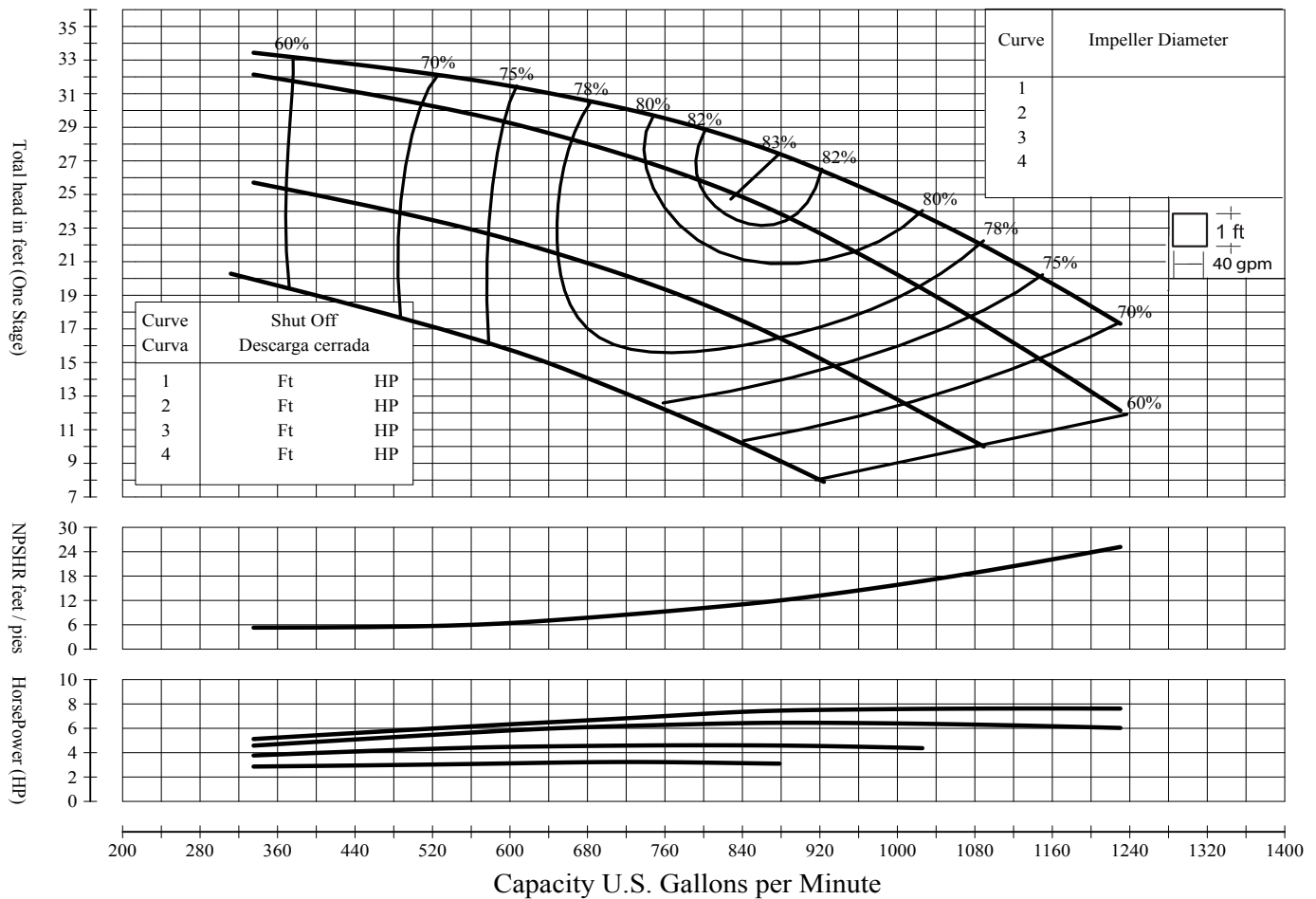
STAGES

NPP12MH

END USER:

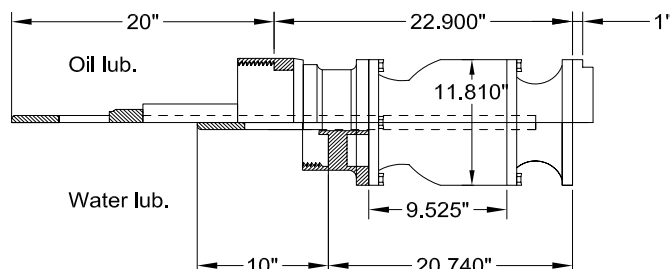
PROJECT:

RPM
1180



Std. Shaft Diameter	1.500"	Impeller WT- LB	13.228	Stages	Efficiency Correction
Max. Shaft Diameter	1.688"	One Stage WR ² LB-FT ²	1.306	1	- 2.00
Std. Lateral Setting	.189"	Impeller Type	ENCLOSED	2	- 1.00
Max. Lateral Setting	.916"	Impeller No.	TCM1436	Based Std. Mtl's	- 3.00
Discharge Sizes	8", 10"	Max. Sphere Size	.813"	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
Suction Sizes	8"	K-Factor, Max.	6.00		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	385		
One Stage Water Lube WT-LB	210.76	Min. Submergence	N/A		
One Stage Oil Lube WT-LB	232.80	Impeller Eye Area IN ²	17.868		
Add. Stage WT- LB	88.626	Specific Speed	N/A		

* Std. Construction: Discharge 8"
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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

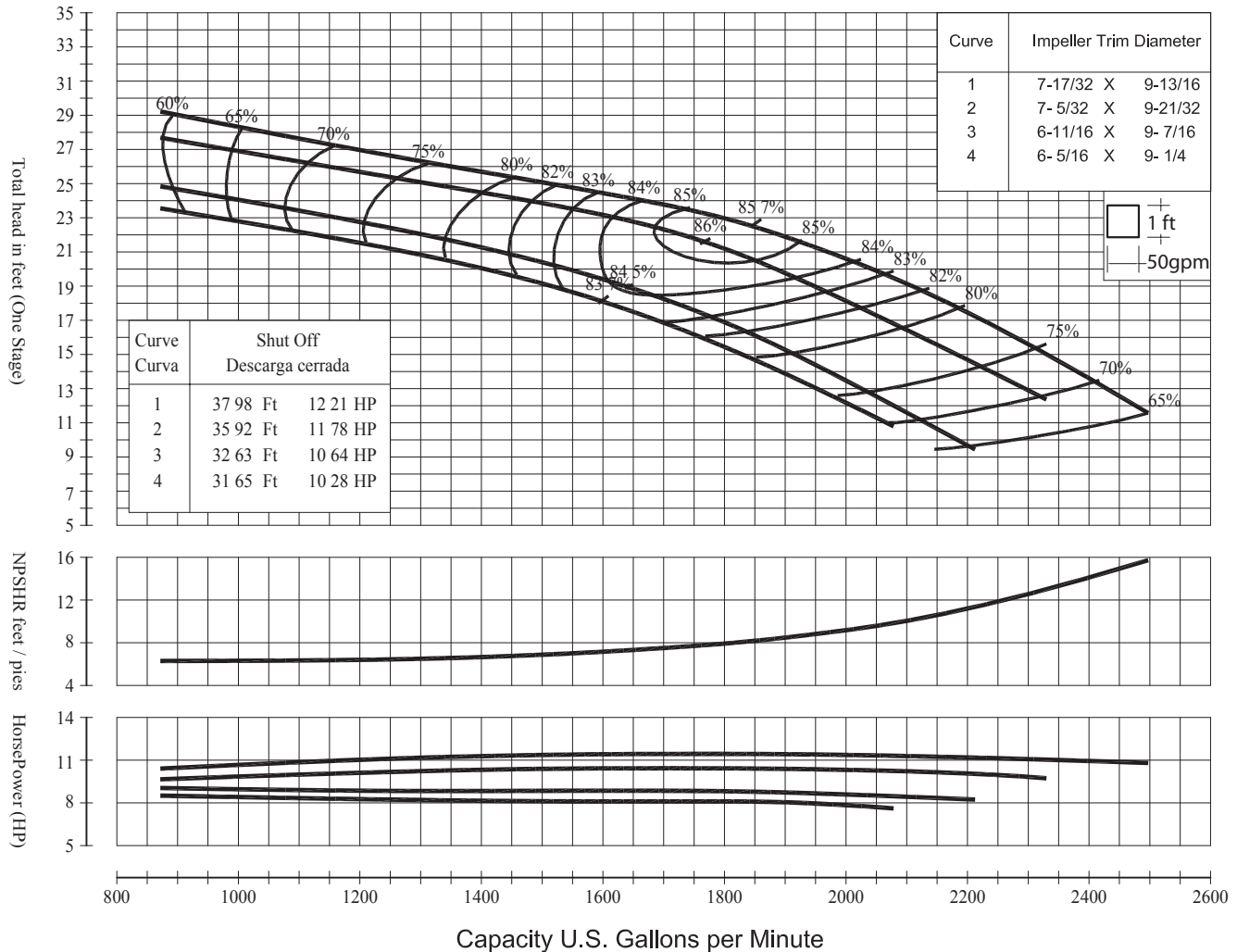
MODEL

NPP14HL

END USER:

PROJECT:

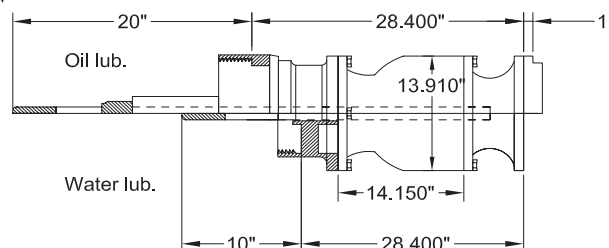
RPM
1180



Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455	Stages	Efficiency Correction
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	3.125	1	- 0.50
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED		
Max. Lateral Setting	.813"	Impeller No.	TCH1417		
Discharge Sizes	10",12"	Max. Sphere Size	.688"		
Suction Sizes	10"	K-Factor, Max.	23		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	300	Based Std. Mt's	- 4.50
One Stage Water Lube WT-LB	319.67	Min. Submergence	N/A		
One Stage Oil Lube WT-LB	346.12	Impeller Eye Area IN ²	48.02		
Add. Stage WT- LB	180.77	Specific Speed	N/A		

* Std. Construction: Discl arge 12"

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

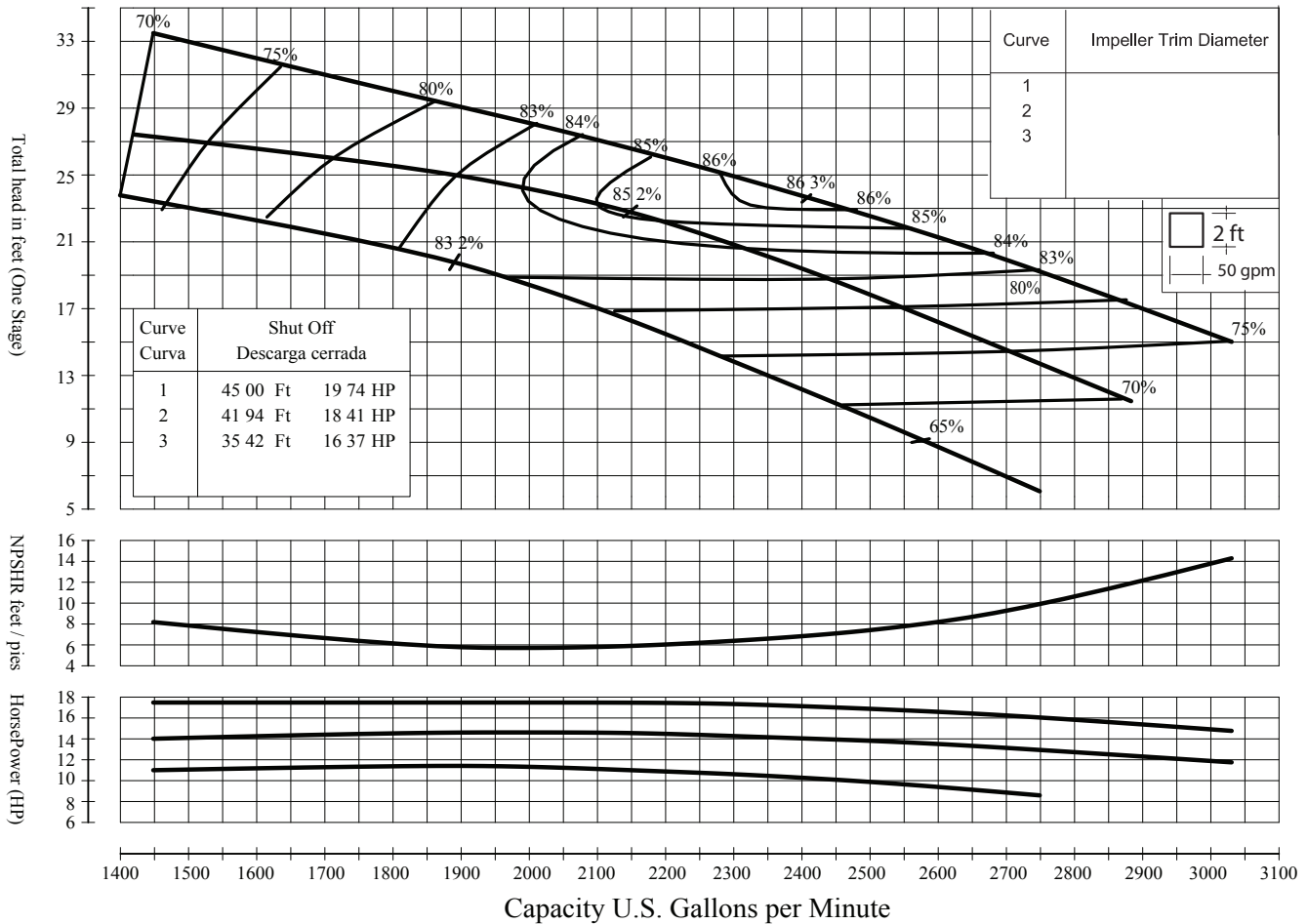
EFFIC.

MODEL
NPP14HH

END USER:

PROJECT:

RPM
1180



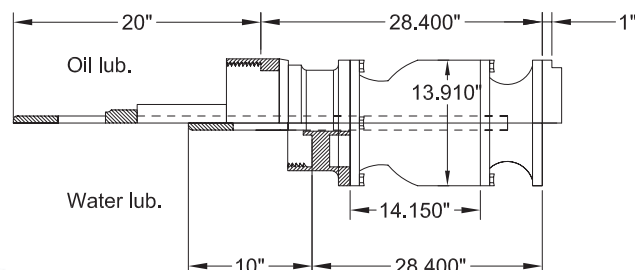
Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	3.278
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.719"	Impeller No.	TCH1427
Discharge Sizes	10", 12"	Max. Sphere Size	.688"
Suction Sizes	10"	K-Factor, Max.	24
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	300
One Stage Water Lube WT-LB	319.67	Min. Submergence	N/A
One Stage Oil Lube WT-LB	346.12	Impeller Eye Area IN ²	56.190
Add. Stage WT- LB	180.77	Specific Speed	N/A

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 4.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 12"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

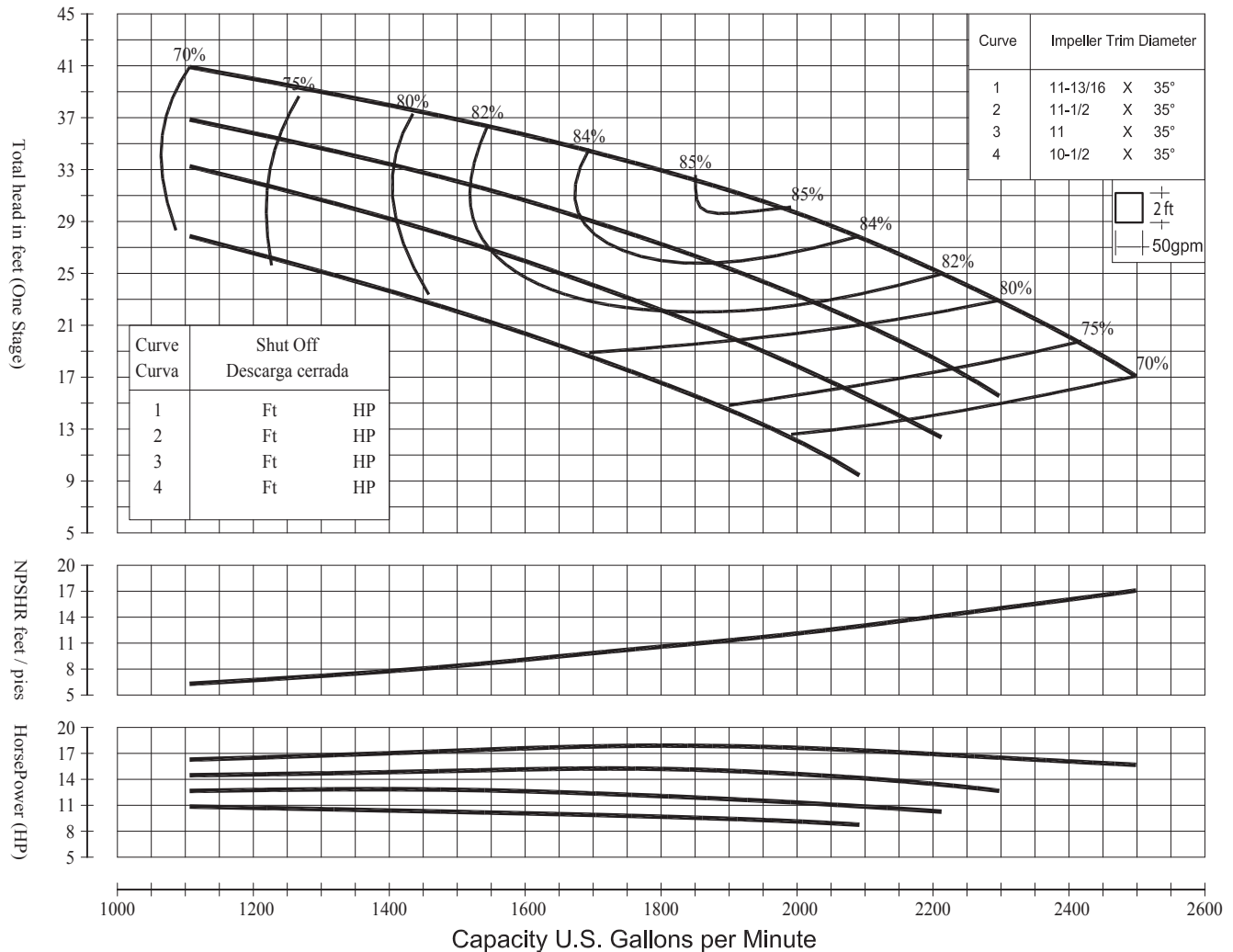
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EFFIC.

SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP14YHRPM
1180

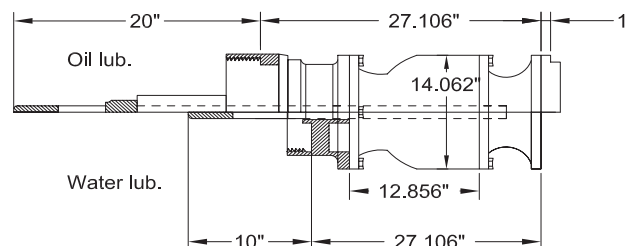
Std. Shaft Diameter	1.938"	Impeller WT- LB	31.967
Max. Shaft Diameter	2.000"	One Stage WR ² LB-FT ²	N/A
Std. Lateral Setting	.500"	Impeller Type	ENCLOSED
Max. Lateral Setting	.875"	Impeller No.	TCX1417
Discharge Sizes	10", 12"	Max. Sphere Size	1.500"
Suction Sizes	10"	K-Factor, Max.	24.8
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	540
One Stage Water Lube WT-LB	318.56	Min. Submergence	34"
One Stage Oil Lube WT-LB	340.61	Impeller Eye Area IN ²	47.3
Add. Stage WT- LB	179.67	Specific Speed	N/A

Stages	Efficiency Correction
1	- 4.00
2	- 2.00
3	- 1.00
Based Std. Mft's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discharge 12"

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

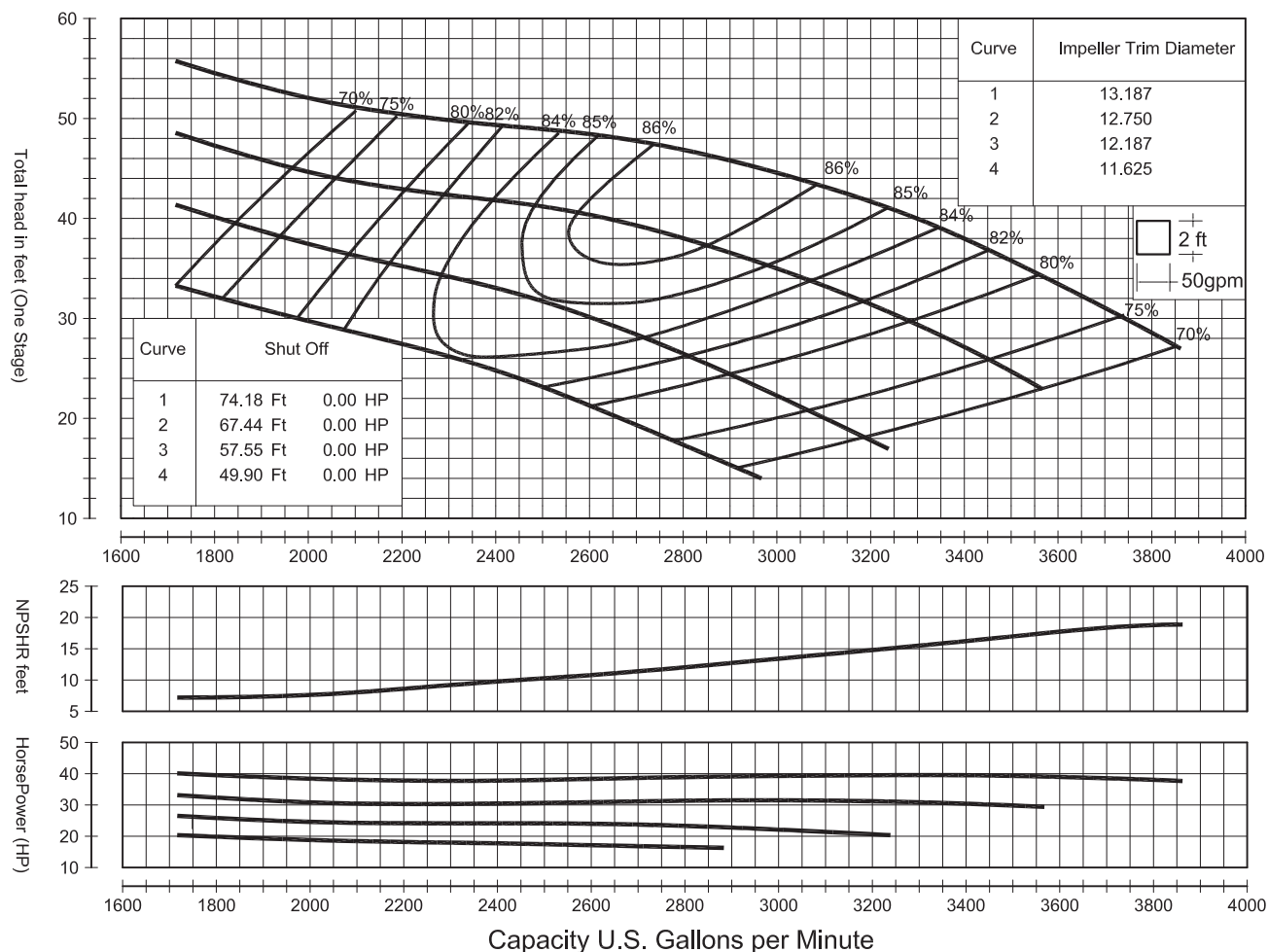
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP16MH

RPM
1185

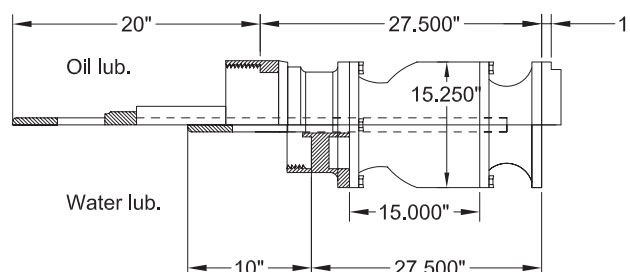


Std. Shaft Diameter	1.938"	Impeller WT- LB	36.37
Max. Shaft Diameter	2.187"	One Stage WR ² LB-FT ²	4.677
Std. Lateral Setting	.500"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCM1418
Discharge Sizes	12", F	Max. Sphere Size	1.375"
Suction Sizes	12", F	K-Factor, Max.	27.5
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	457
One Stage Water Lube WT-LB	411.16	Min. Submergence	39"
One Stage Oil Lube WT-LB	437.61	Impeller Eye Area IN ²	79.150
Add. Stage WT- LB	223.76	Specific Speed	3734

Stages	Efficiency Correction
1	- 3.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

END USER:

GPM

TDH

HP

EFFIC.

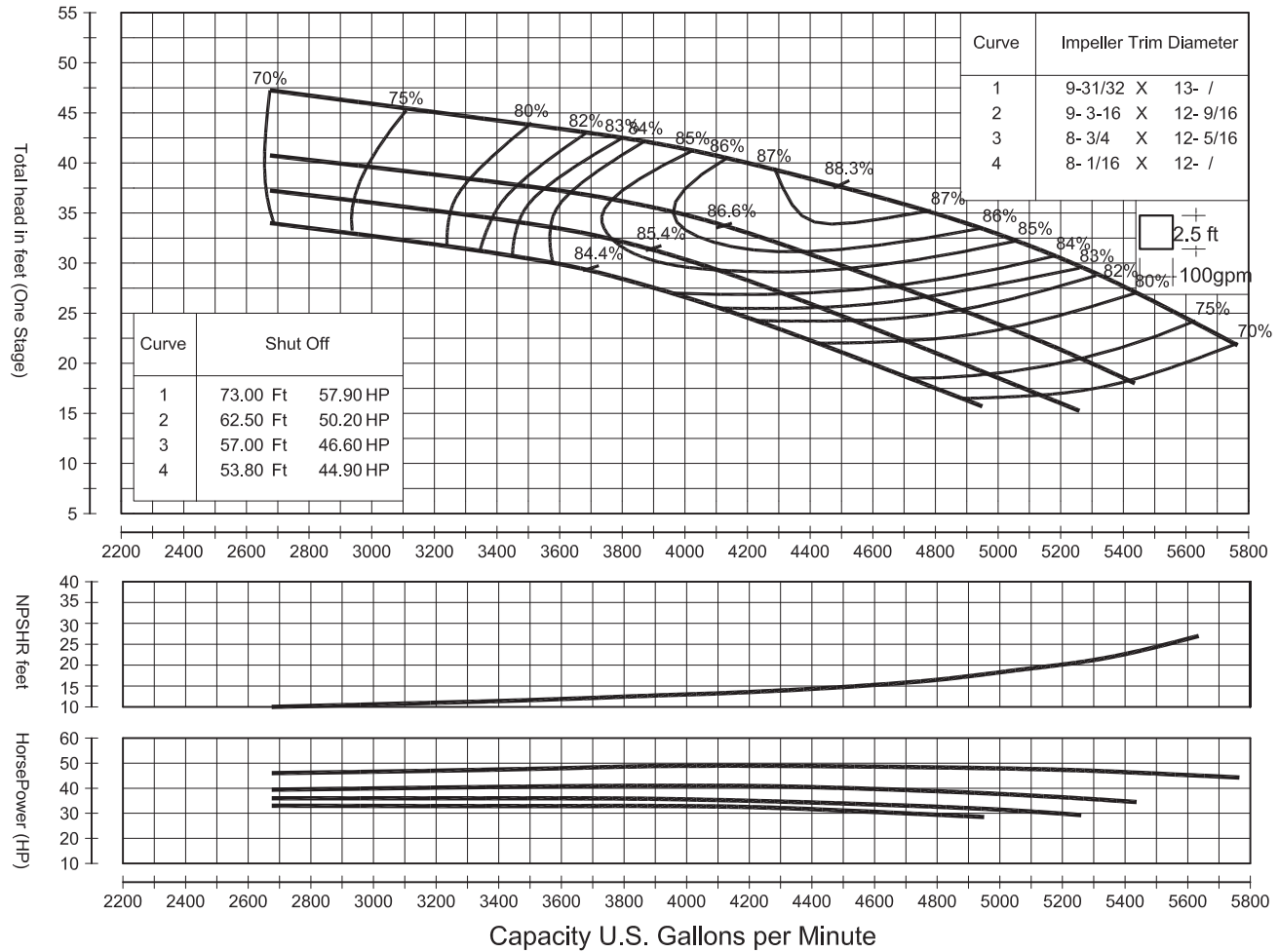
SERVICE CONDITION:

STAGES

PROJECT:

MODEL
NPP18HL

RPM
1185

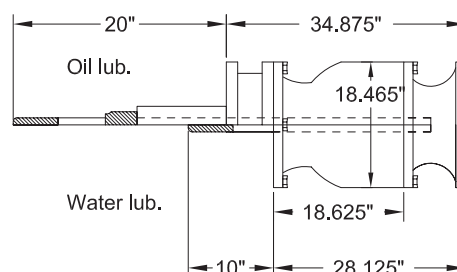


Std. Shaft Diameter	1.938"	Impeller WT- LB	63.93
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	13.194
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1419
Discharge Sizes	F	Max. Sphere Size	.875"
Suction Sizes	N/A	K-Factor, Max.	40
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	N/A
One Stage Water Lube WT-LB	555.56	Min. Submergence	N/A
One Stage Oil Lube WT-LB	582.02	Impeller Eye Area IN ²	84.90
Add. Stage WT- LB	385.80	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.50
Based Std. Mtl's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

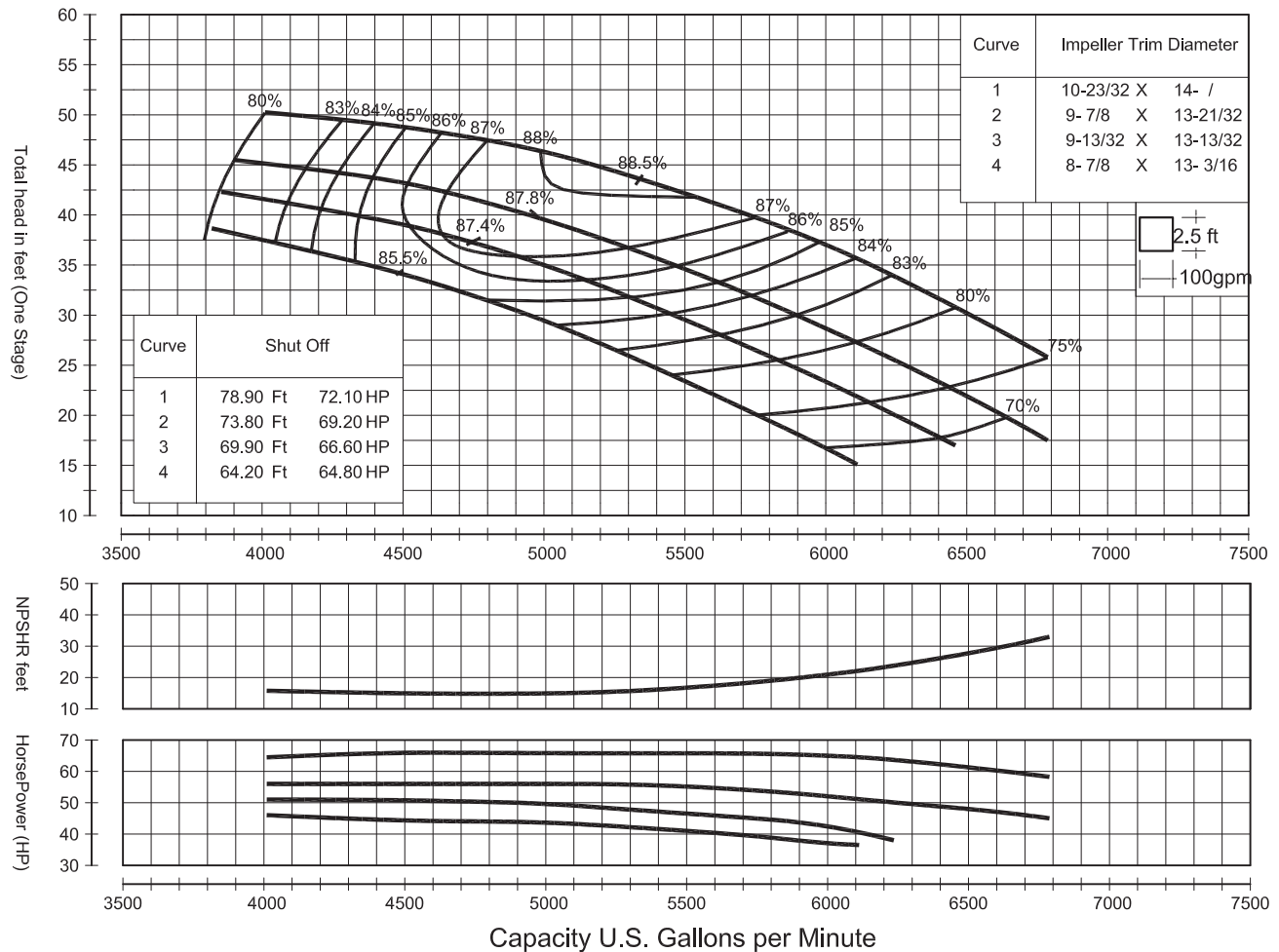
EFFIC.

MODEL
NPP18HH

END USER:

PROJECT:

RPM
1185

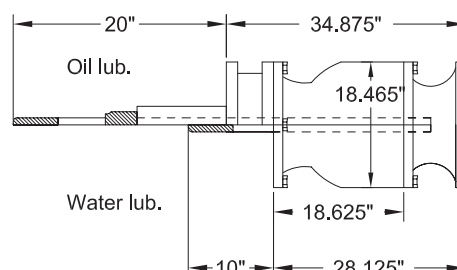


Std. Shaft Diameter	1.938"	Impeller WT- LB	63.93
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	13.194
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1429
Discharge Sizes	F	Max. Sphere Size	.875"
Suction Sizes	N/A	K-Factor, Max.	40
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	N/A
One Stage Water Lube WT-LB	555.56	Min. Submergence	N/A
One Stage Oil Lube WT-LB	582.02	Impeller Eye Area IN ²	97.86
Add. Stage WT- LB	385.80	Specific Speed	N/A

Stages	Efficiency Correction
1	- 0.50
Based Std. Mt'l's	- 4.00

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

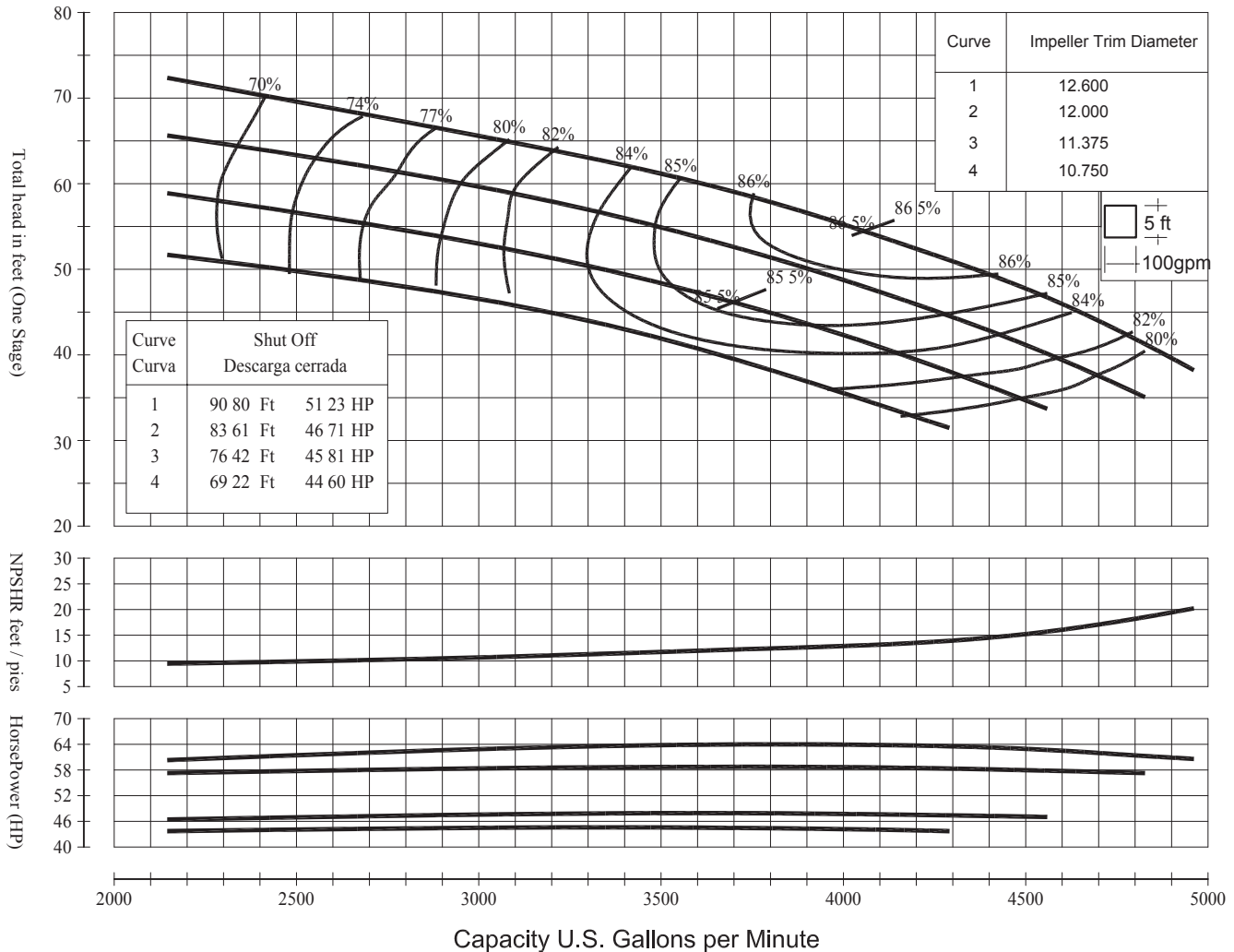
EFFIC.

MODEL
NPP19HH

END USER:

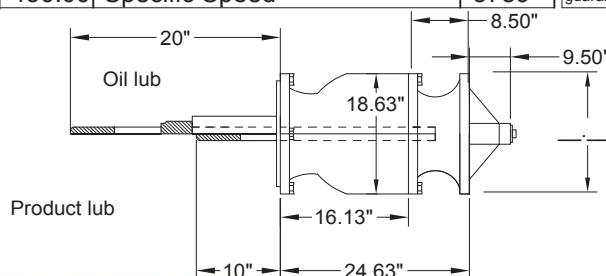
PROJECT:

RPM
1180



Std. Shaft Diameter	2.250"	Impeller WT- LB	54.00	Stages	Efficiency Correction
Max. Shaft Diameter	3.000"	One Stage WR ² LB-FT ²	15.00	1	- 1.00
Opt. Lateral Setting	0.250"	Impeller Type	ENCLOSED	Based Std. M l's	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.
Max. Lateral Setting	0.750"	Impeller No.	TCW3429		
Discharge Sizes	12F, 14F, 16F	Max. Sphere Size	1.000		
Suction Sizes	BELL	K-Factor, Max.	32.00		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	350.00		
One Stage Water Lube WT-LB	950.00	Min. Submergence	42.00		
One Stage Oil Lube WT-LB	1110.0	Impeller Eye Area IN ²	74.50		
Add. Stage WT- LB	430.00	Specific Speed	3789		

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

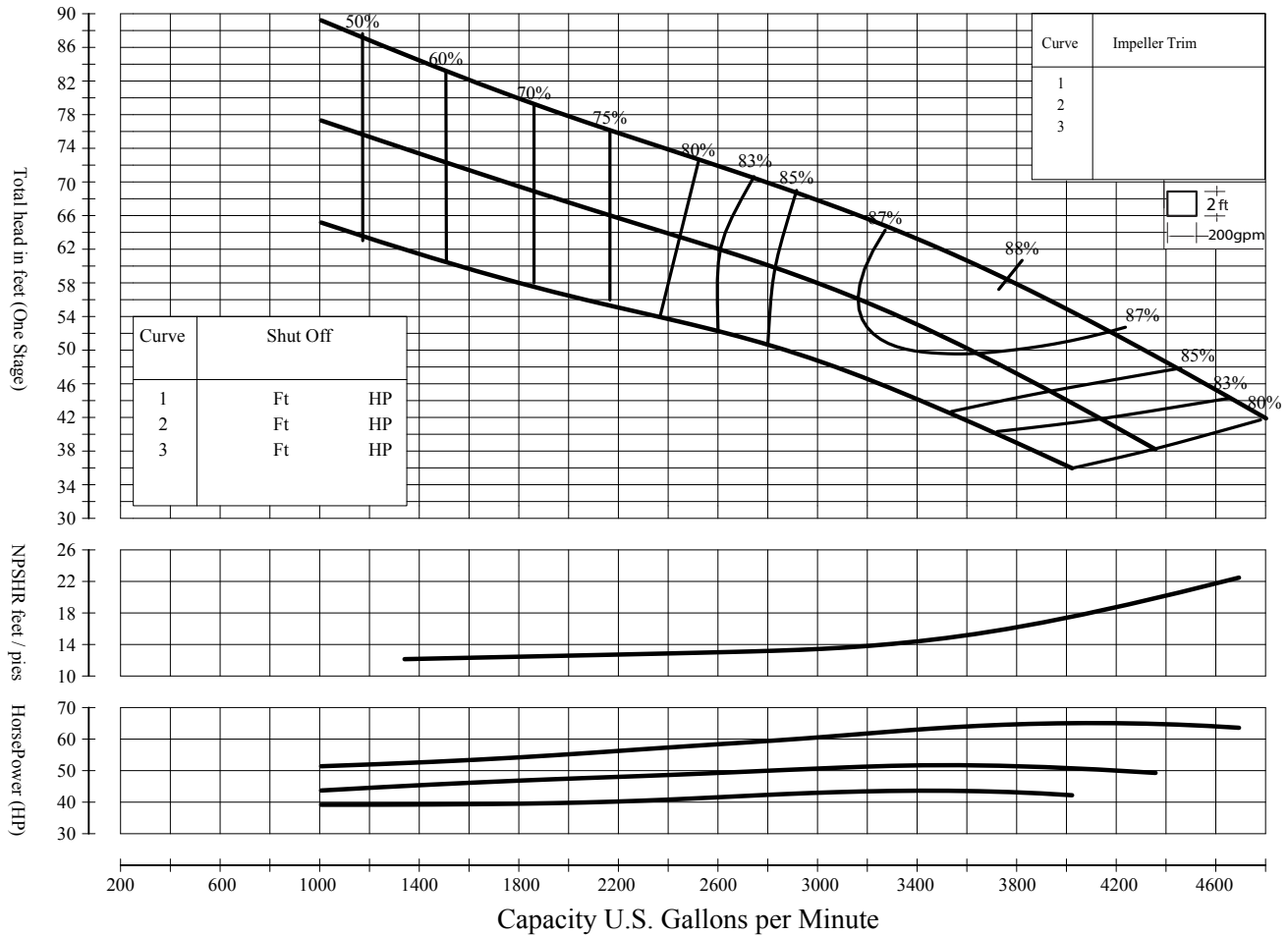
EFFIC.

MODEL
NPP20HL

END USER:

PROJECT:

RPM
1180

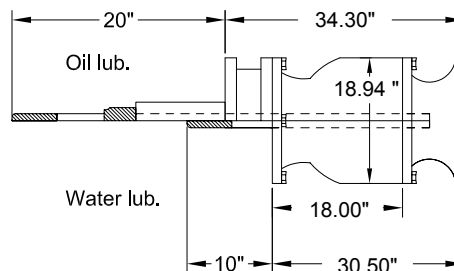


Std. Shaft Diameter	1.938"	Impeller WT- LB	70
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	17.16
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.880"	Impeller No.	TCW1419
Discharge Sizes	F	Max. Sphere Size	1.75
Suction Sizes	BELL	K-Factor, Max.	31
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	
One Stage Water Lube WT-LB		Min. Submergence	N/A
One Stage Oil Lube WT-LB		Impeller Eye Area IN ²	80.70
Add. Stage WT- LB		Specific Speed	3300

Stages	Efficiency Correction
1	-0.50

Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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CONTRACTOR:

ENGINEER:

GPM

TDH

HP

EFFIC.

MODEL

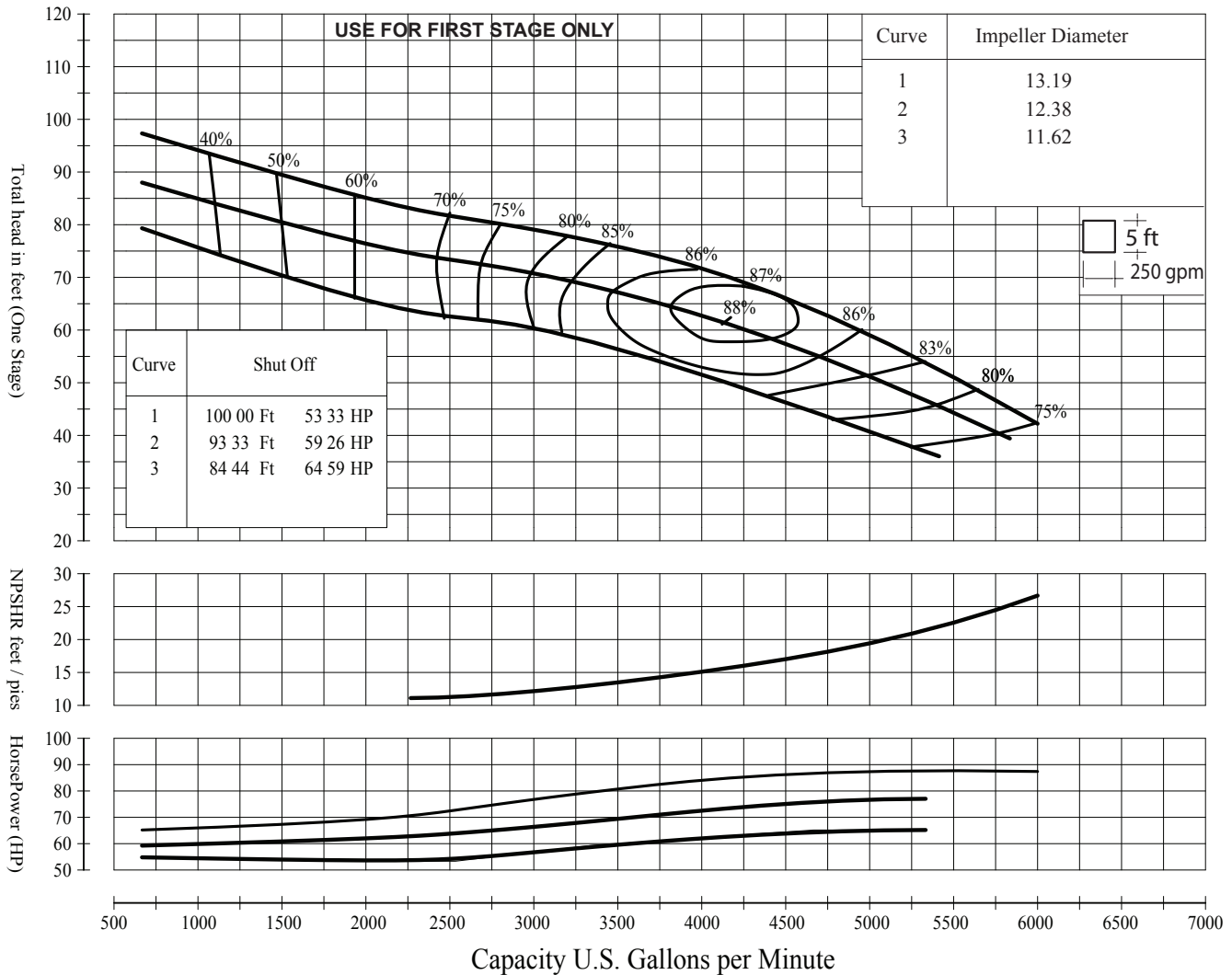
NPP20HH

RPM

1180

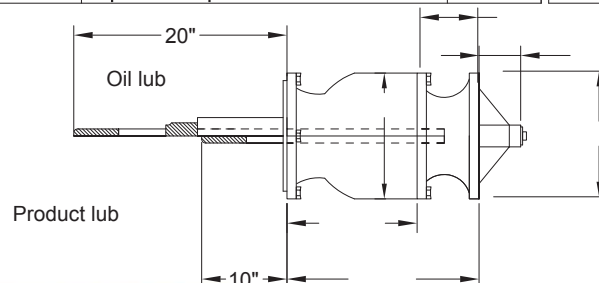
END USER:

PROJECT:



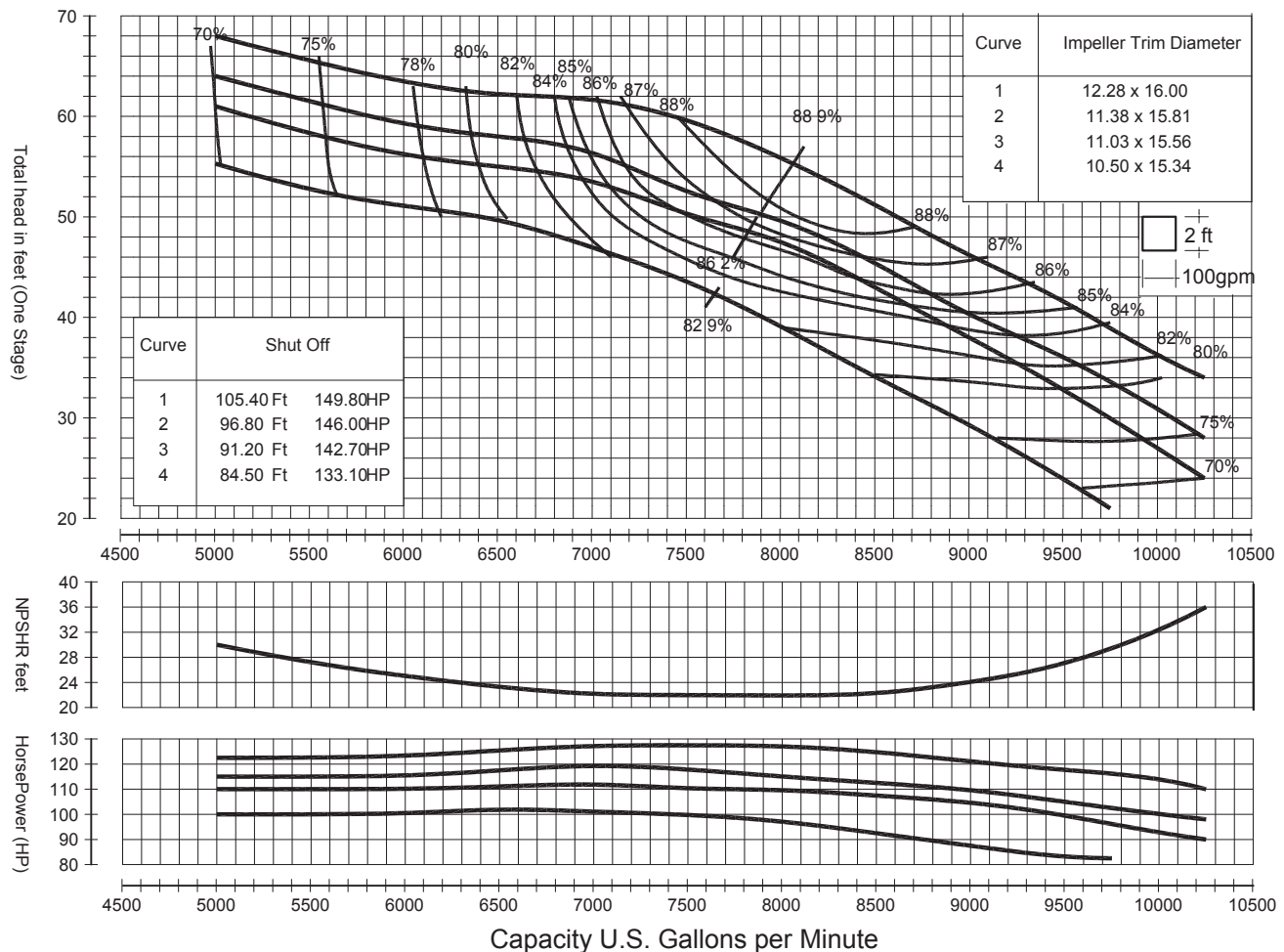
Std. Shaft Diameter	1.938"	Impeller WT- LB	70	Stages	Efficiency Correction
Max. Shaft Diameter	2.688"	One Stage WR ² LB-FT ²	17.16		
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED		
Max. Lateral Setting	.880"	Impeller No.	TCW1419	1	Based Std. Mt's
Discharge Sizes	F	Max. Sphere Size	1.75		
Suction Sizes	BELL	K-Factor, Max.	31		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	————		
One Stage Water Lube WT-LB	————	Min. Submergence	N/A		
One Stage Oil Lube WT-LB	————	Impeller Eye Area IN ²	80.70		
Add. Stage WT- LB	————	Specific Speed	3300	Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	

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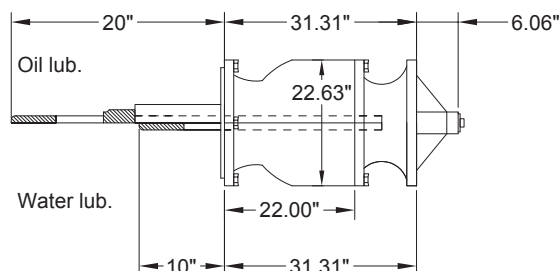


CONTRACTOR:	GPM	TDH	HP	EFFIC.	MODEL NPP24HH
ENGINEER:	SERVICE CONDITION:			STAGES	
	PROJECT:				RPM 1160



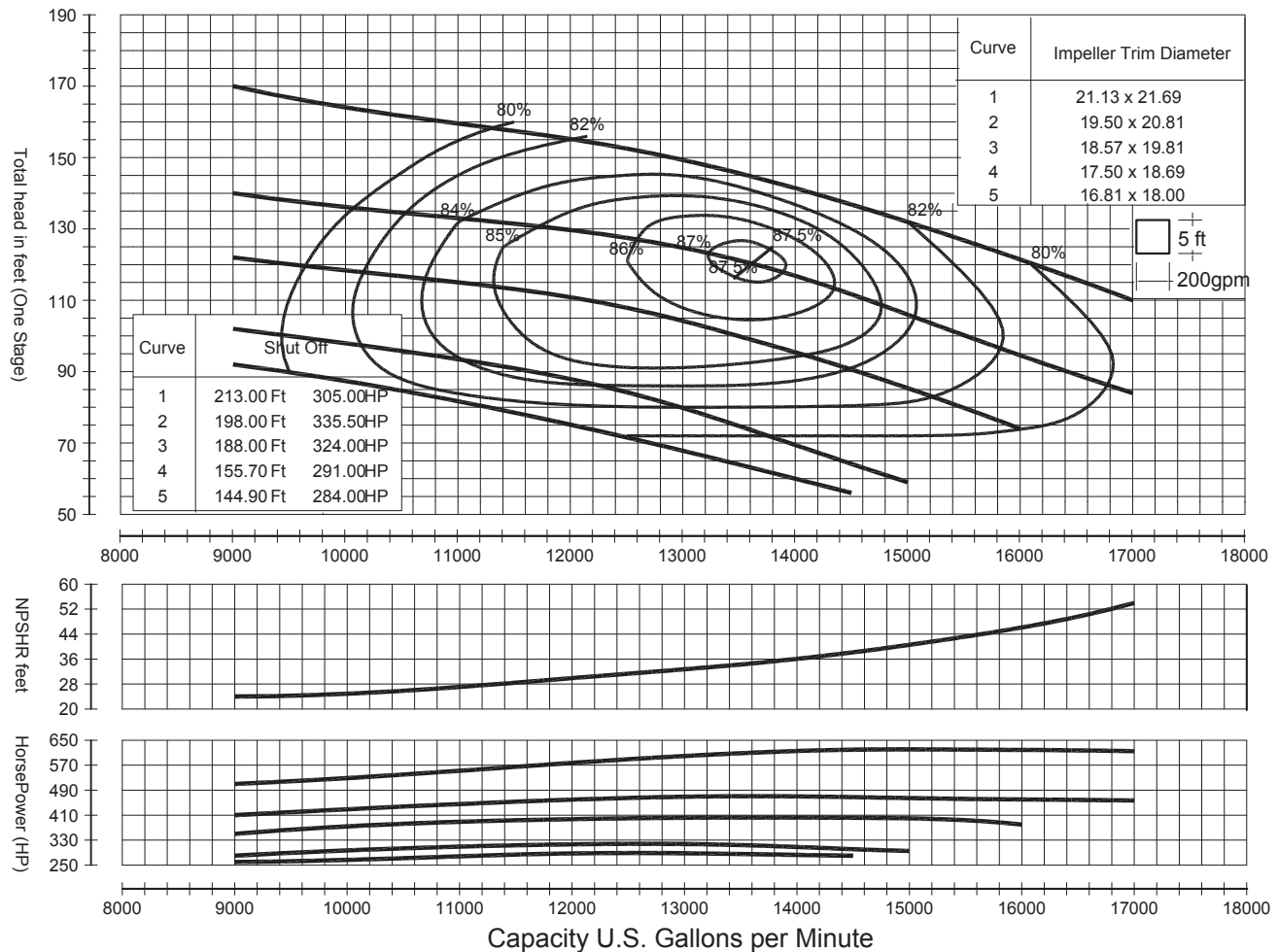
Std. Shaft Diameter	2.190"	Impeller WT- LB	190.00	Stages	Efficiency Correction
Max. Shaft Diameter	2.500"	One Stage WR ² LB-FT ²	5250.0	1	- 1.00
Opt. Lateral Setting	.130"	Impeller Type	ENCLOSED	2	- 0.50
Max. Lateral Setting	.480"	Impeller No.	TCH1442	Based Std. Mtl's	
Discharge Sizes	18F	Max. Sphere Size	1.130		
Suction Sizes	Bell	K-Factor, Max.	60.00	Characteristics based upon pumping clear, non-aerated water. Rating point only is guaranteed. Column losses not included.	
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	200.00		
One Stage Prod. Lube WT-LB	962.00	Min. Submergence	15.50		
One Stage Oil Lube WT-LB	972.00	Impeller Eye Area IN ²	152.04		
Add. Stage WT- LB	725.00	Specific Speed	N/A		

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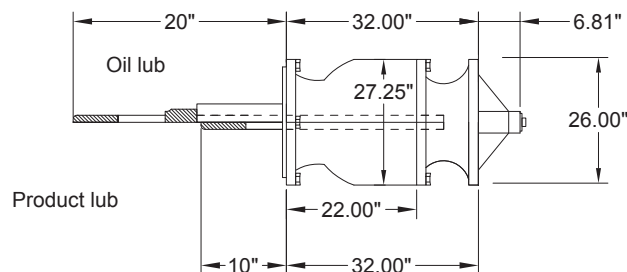


CONTRACTOR:		GPM	TDH	HP	EFFIC.	MODEL NPP28HH
ENGINEER:		SERVICE CONDITION:			STAGES	
END USER:		PROJECT:				RPM 1180



Std. Shaft Diameter	2.938"	Impeller WT- LB	205.00	Stages	Efficiency Correction
Max. Shaft Diameter	2.938"	One Stage WR ² LB-FT ²	14850	2	+ 0.50
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED	3	+ 1.00
Max. Lateral Setting *	0.719"	Impeller No.	TCX1444	Based Std. Mtl's	Characteristics based upon pumping clear, non-aerated water. Rating point only is guaranteed. Column losses not included.
Discharge Sizes	16F, 20F, 24F	Max. Sphere Size	N/A		
Suction Sizes	N/A	K-Factor, Max.	64.2		
One Stage Subm. WT-LB	N/A	Max. Operating P.S.I	130		
One Stage Water Lube WT-LB	N/A	Min. Submergence	15.75		
One Stage Oil Lube WT-LB	N/A	Impeller Eye Area	IN ² 168.22		
Add. Stage WT- LB	N/A	Specific Speed	N/A		

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BOOSTER CAN

Flows: 50 gpm - 9,500 gpm

Total Dynamic Head: 0 - 1,800 feet

Inline and Below Grade Design Options

High Profile Discharge Head

- Standard Fabricated Design
- Air release ports at top of discharge flange
- Machined for multiple size motor bases
- Optional Stainless Steel packing box available
- Inline T-Head Design Options

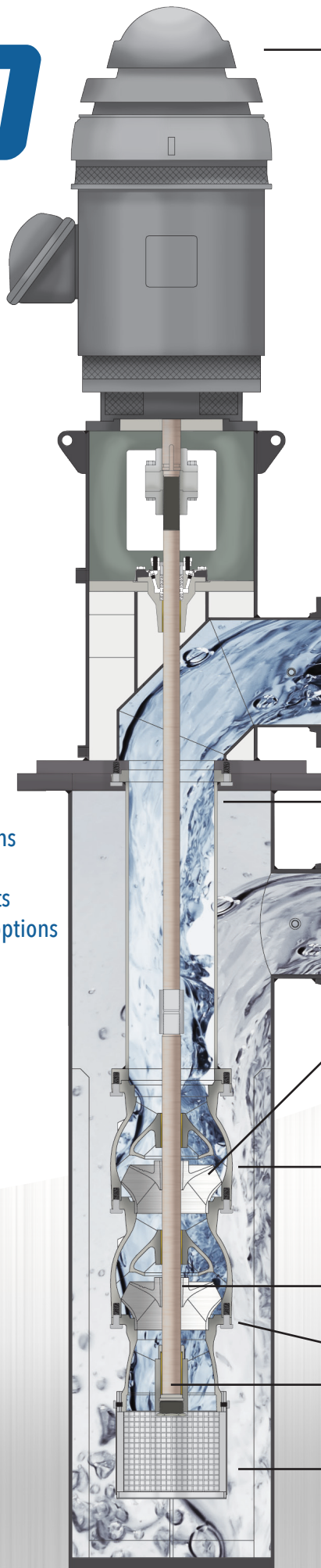
STANDARD FEATURES:

- Standard Bronze or Stainless Impeller Options
- Standard Fabricated Steel Discharge Heads
- Standard all Stainless Steel Bolting & Collets
- Standard Engineered bearings & material options

Fire Pumps

Engineered units designed to meet NFPA-20 standards available.

NP&P offers all stainless steel construction for corrosive applications.



Pump Drive

Vertical Hollowshaft or Solid Shaft Motor

- Top adjustment for impeller adjustment
- Top Thrust bearing oil lubricated
- WP-1 Weather Proof or TEFC enclosure available

Right Angle Gear Drive

- Air or water cooled available
- Different ratios for specific speeds
- Reverse Rotation for Tractor Drive

Column Assembly

- Standard Specialty Bearings
- Threaded or Flanged Steel Column Pipe
- Multiple Bearing Retainer material options

Bowl Assembly

Enclosed or semi open Stainless Steel or Bronze impellers with Stainless Steel collets

Cast Iron diffuser bowls
Epoxy Lined 8" - 21"

Standard Specialty or Bronze Bearings

Standard Stainless Steel Bolting

Standard 416SS PSQ Bowl Shaft

Stainless Steel Basket Strainer