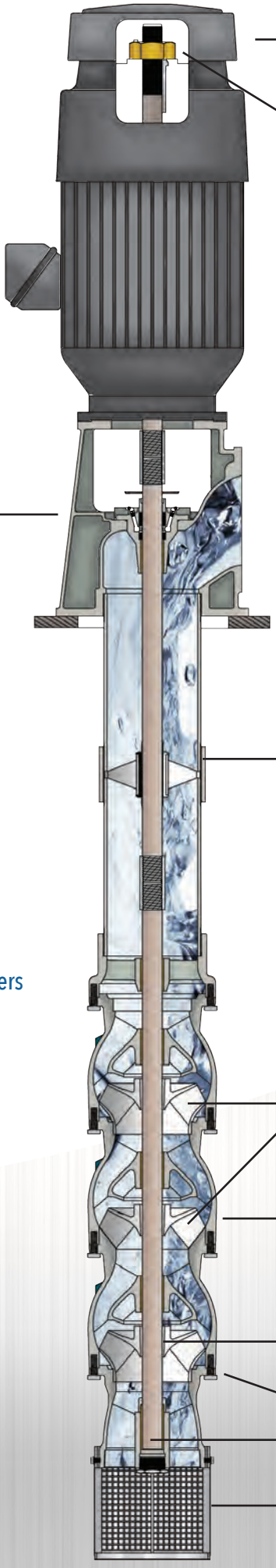
VERTICAL TURBINE

NP&P
NASHVILLE PUMP & POND

NASHVILLE PUMP & POND

HIGH EFFICIENCY VERTICAL TURBINE



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

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

Column Assembly

- Standard Polymer, Rubber or Specialty Bearings
- Threaded or Flanged Steel Column Pipe
- Stainless Steel Bearing Retainers

Vertical Turbine Bowl Assembly

Standard enclosed or semi open Investment Cast Stainless Steel impellers with Stainless Steel collets

Cast Iron diffuser bowls
Epoxy Lined 8"- 21"
Ductile Iron diffuser bowls
Epoxy Lined 5"- 7"

Standard Specialty Bearings

Standard Stainless Steel Bolting

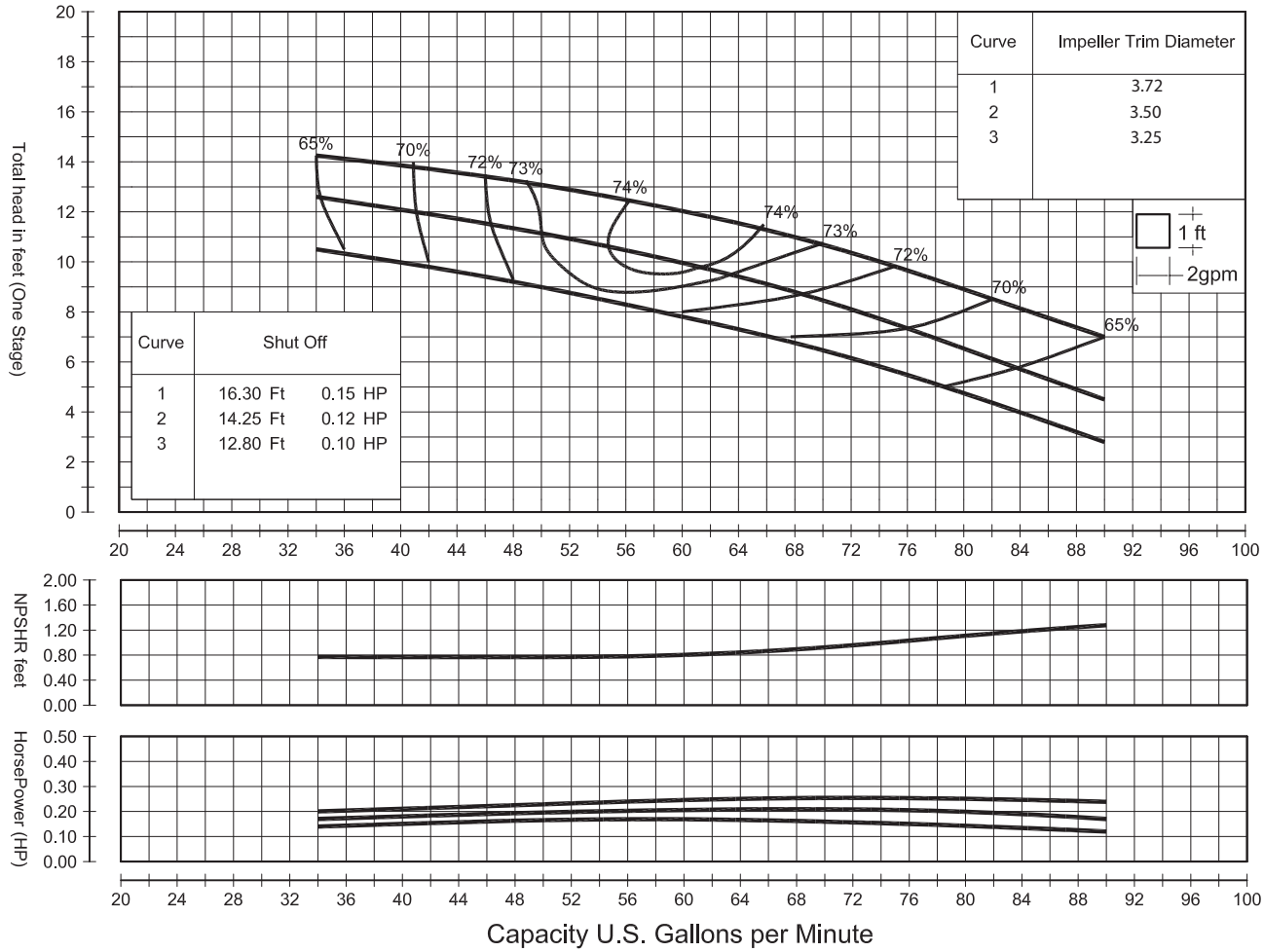
Standard 416SS PSQ Bowl Shaft

Stainless Steel Basket or Cone Strainer

NP&P offers all stainless steel construction options.

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

NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP5LL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	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"

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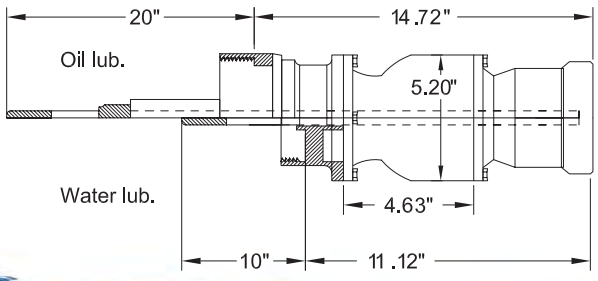
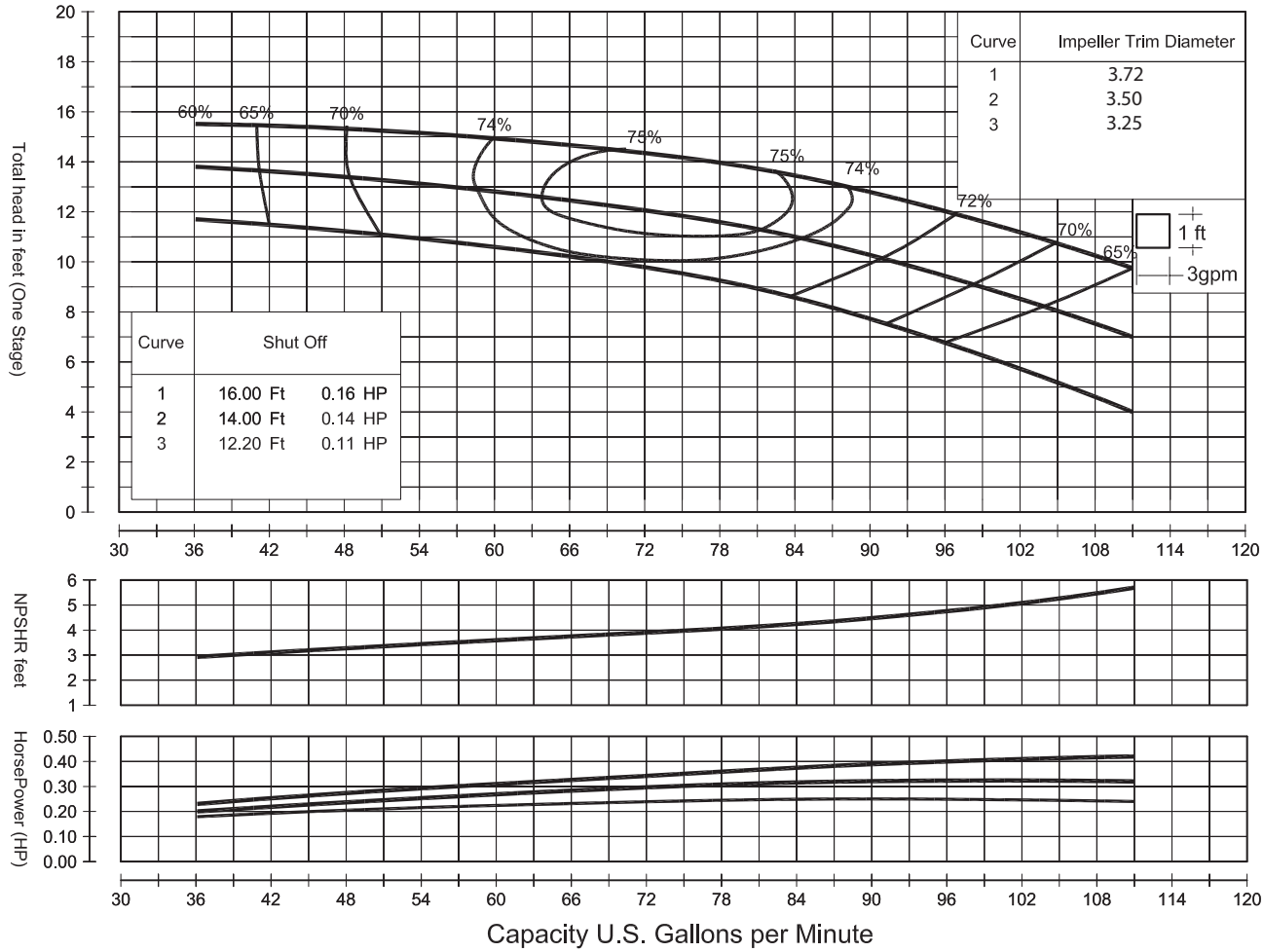


CONTRACTOR:	**GPM TDH HP EFFIC.**	MODEL	NPP5LH
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:	**PROJECT:**	RPM	1770



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"

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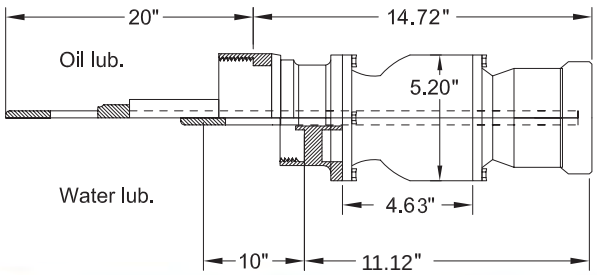
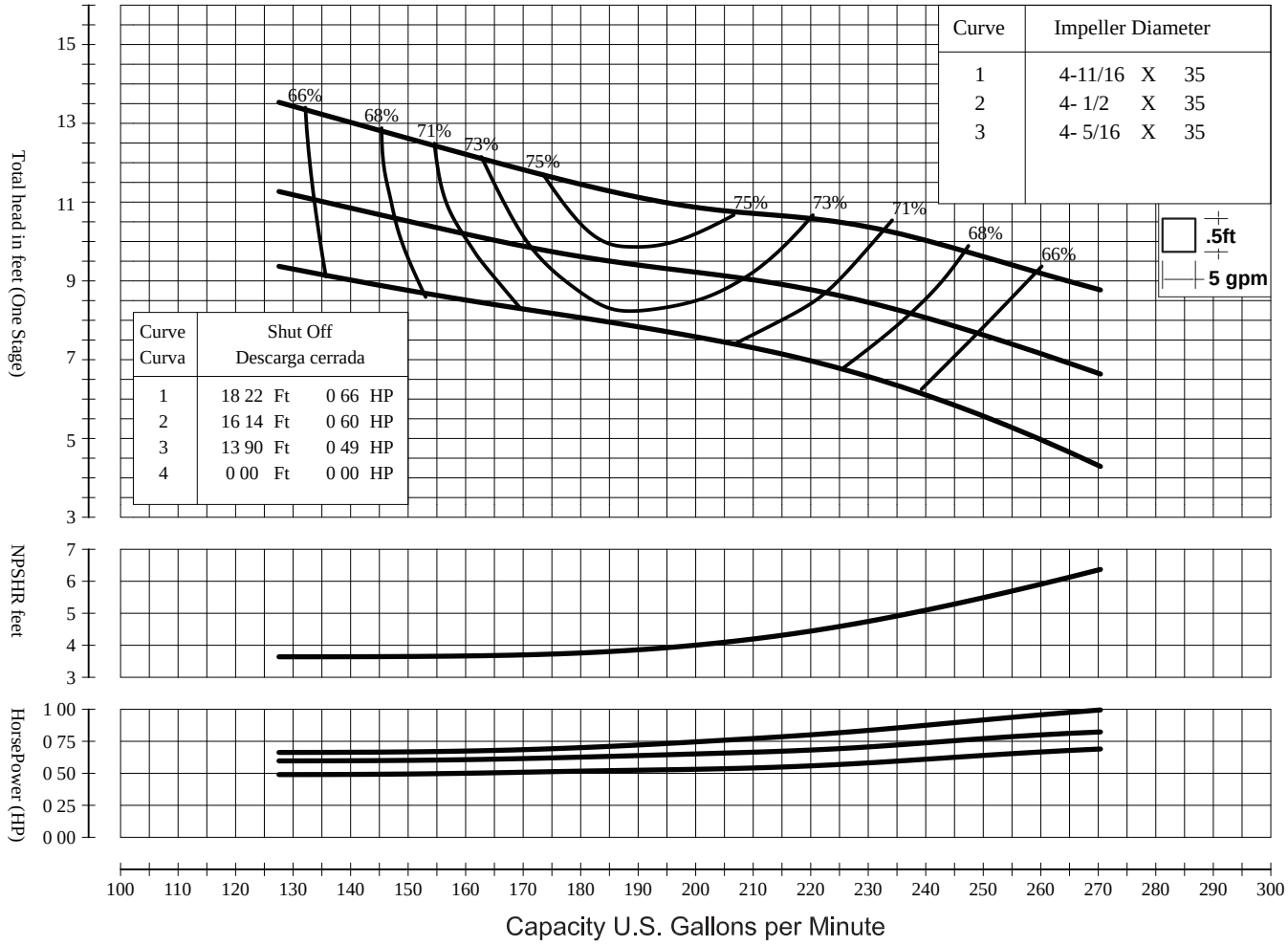


CONTRACTOR:	**GPM TDH HP EFFIC.**	MODEL	
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	NPP6HL
END USER:	**PROJECT:**	RPM	1760



Curve	Impeller Diameter
1	4-11/16 X 35
2	4- 1/2 X 35
3	4- 5/16 X 35

Curve / Curva	Shut Off / Descarga cerrada	
1	18 22 Ft	0 66 HP
2	16 14 Ft	0 60 HP
3	13 90 Ft	0 49 HP
4	0 00 Ft	0 00 HP

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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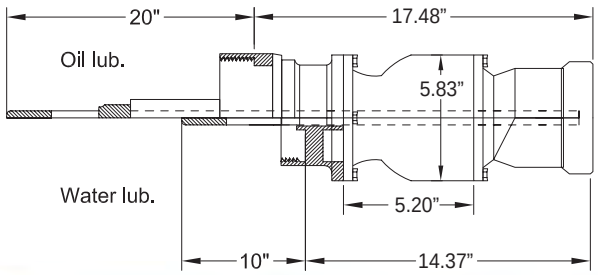
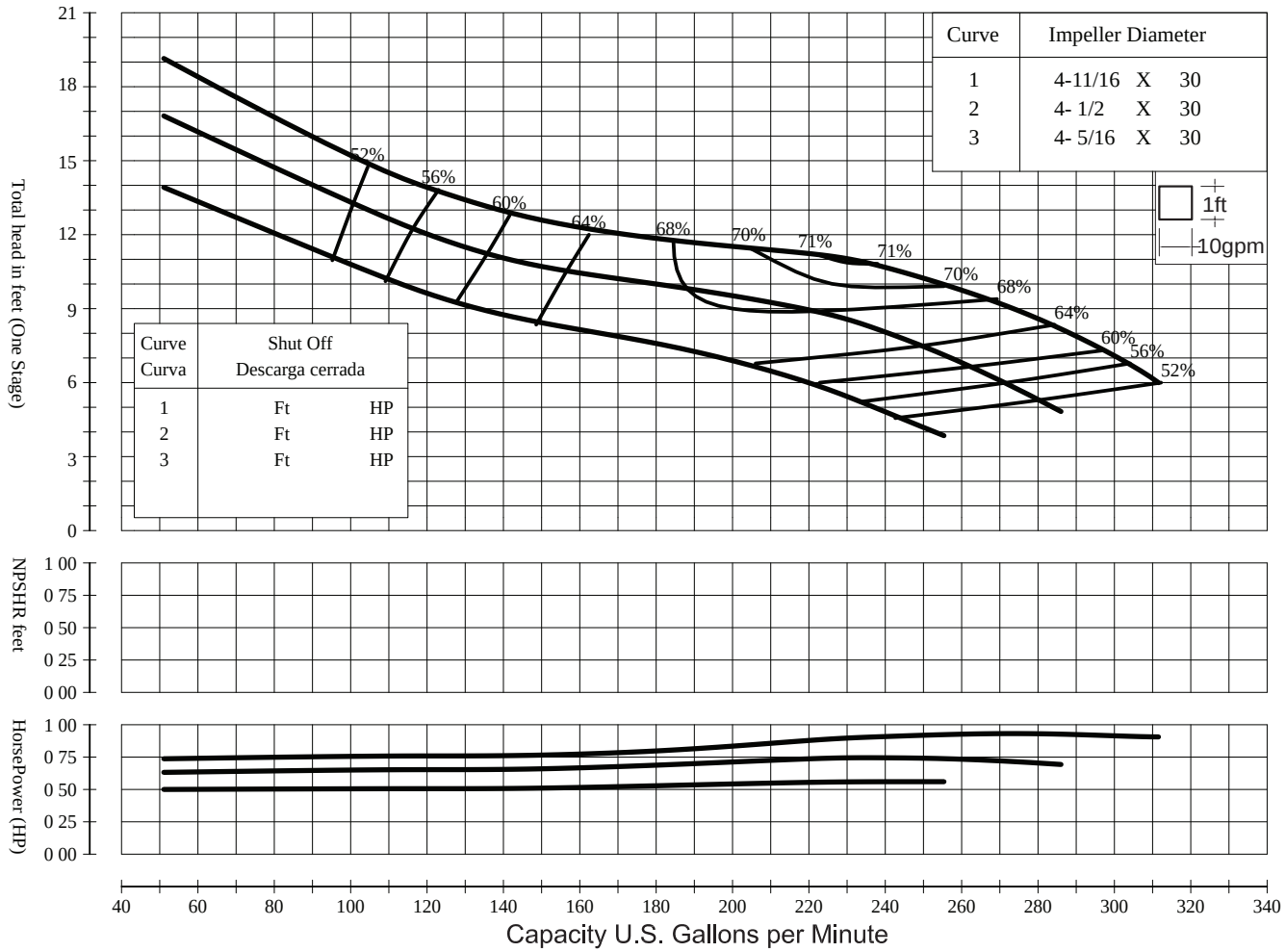


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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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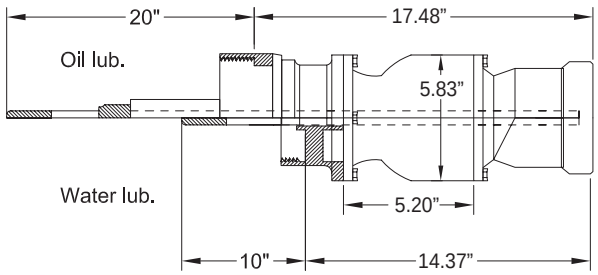
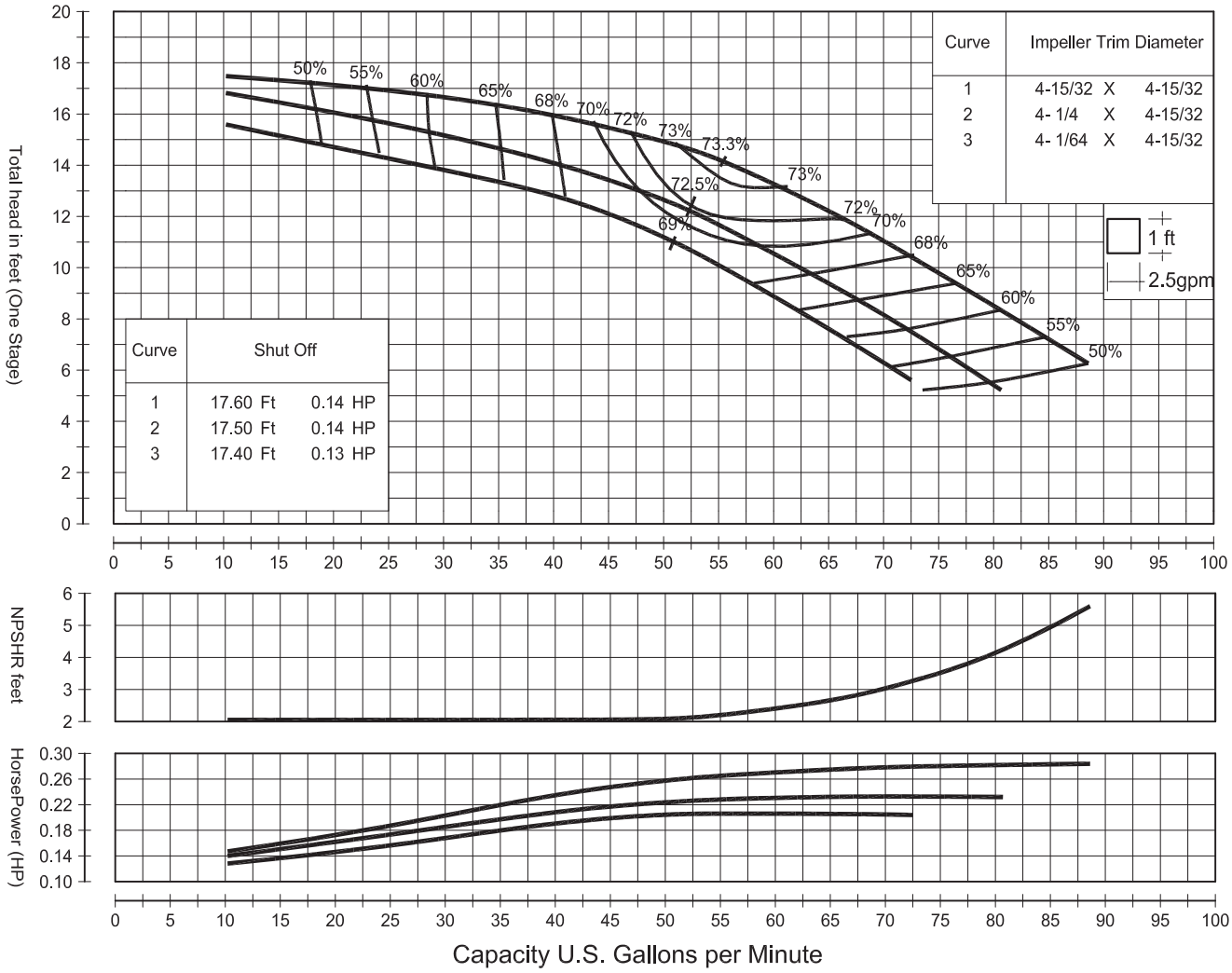


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6LL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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

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. Mtl's	- 3.00

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

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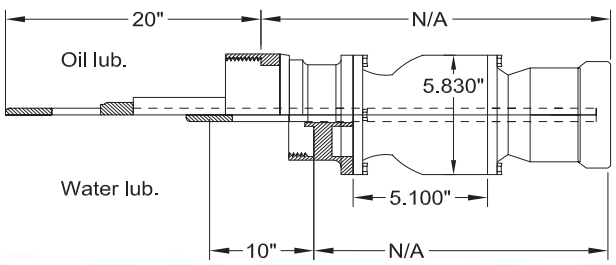
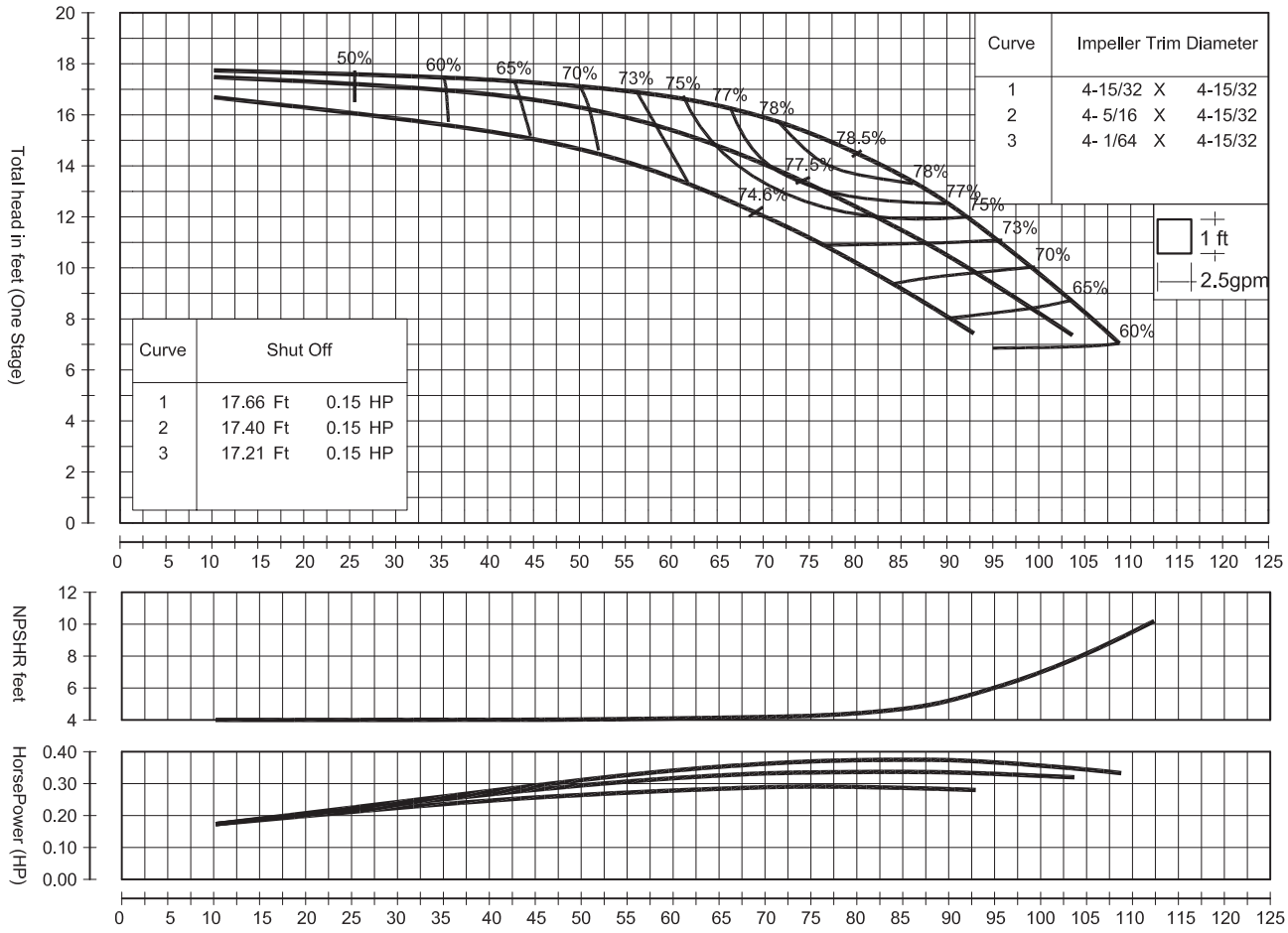


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6LM
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



Capacity U.S. Gallons per Minute

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

Std. Shaft Diameter	.750"	Impeller WT- LB	N/A
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.	TCL1423
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. Mtl's	- 3.00

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

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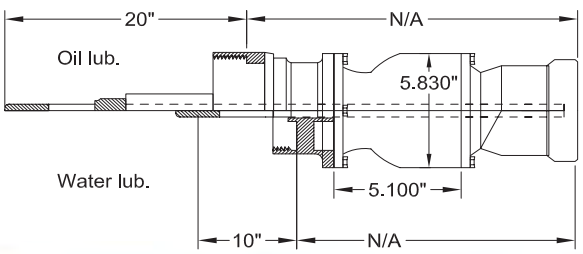
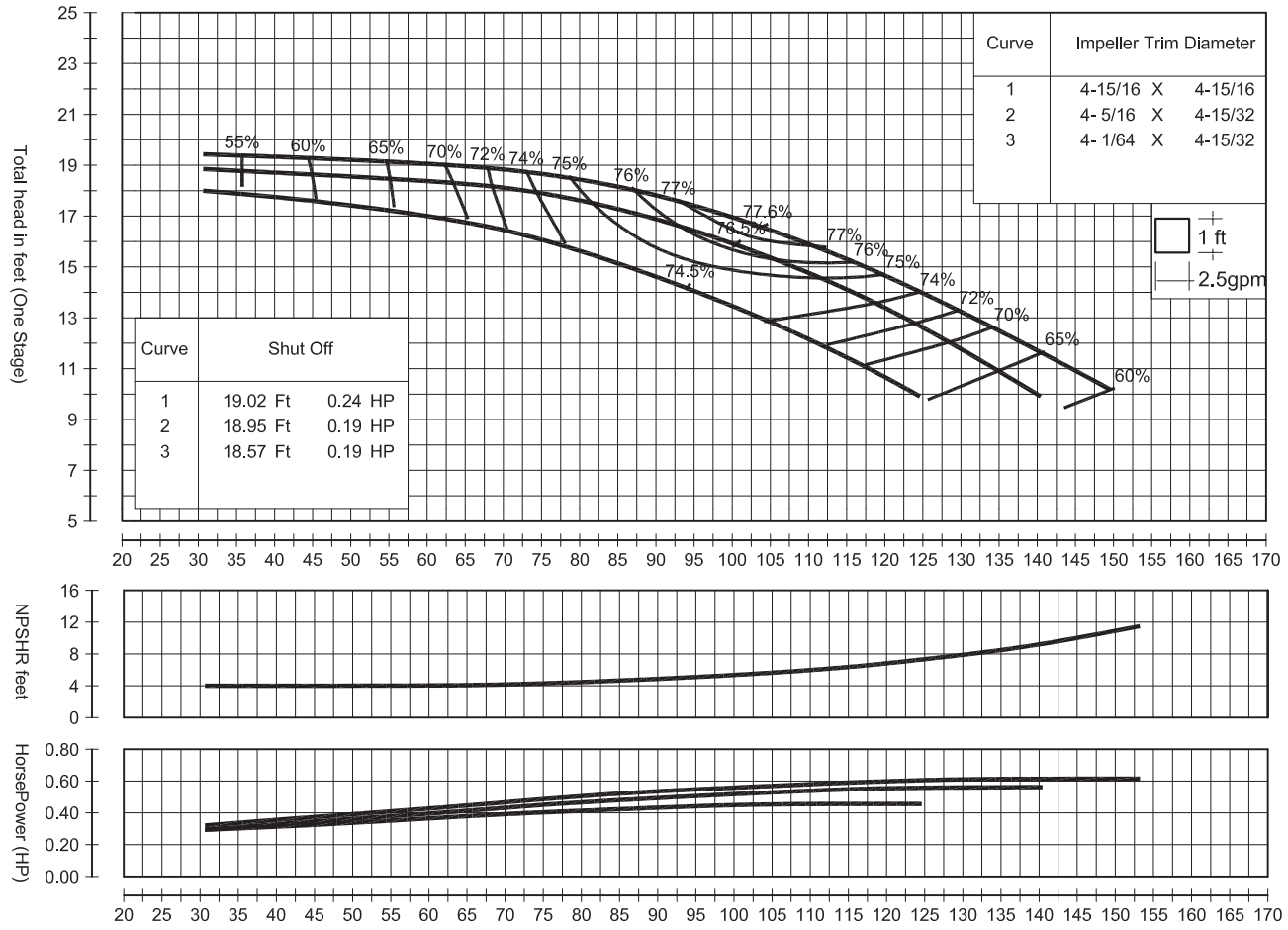


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6LH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



Curve	Impeller Trim Diameter
1	4-15/16 X 4-15/16
2	4- 5/16 X 4-15/32
3	4- 1/64 X 4-15/32

Curve	Shut Off	
1	19.02 Ft	0.24 HP
2	18.95 Ft	0.19 HP
3	18.57 Ft	0.19 HP

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

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. Mtl's	- 3.00

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

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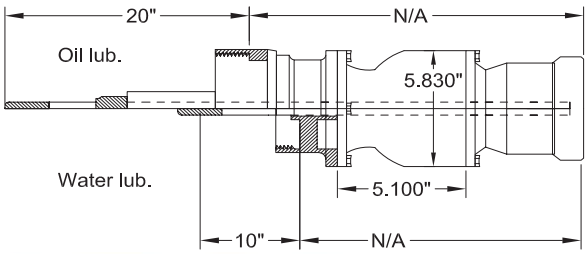
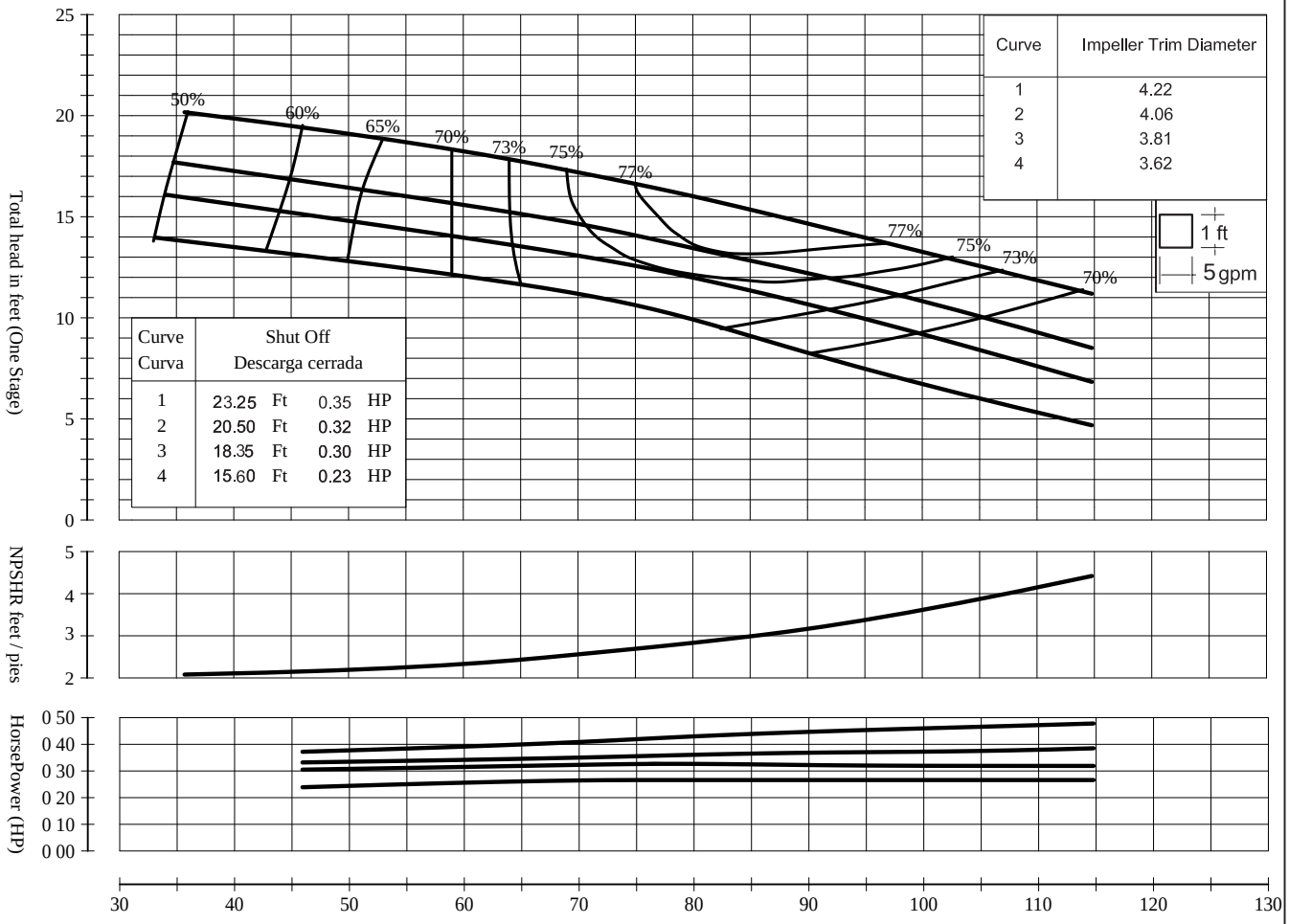


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6ML
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1750



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. Ratlng polnt only ls guaranteed. Column losses not included.

* Std. Construction: Discharge 4"

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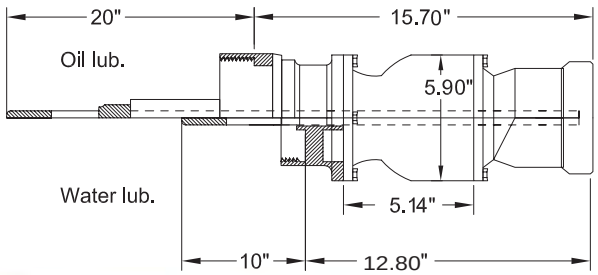
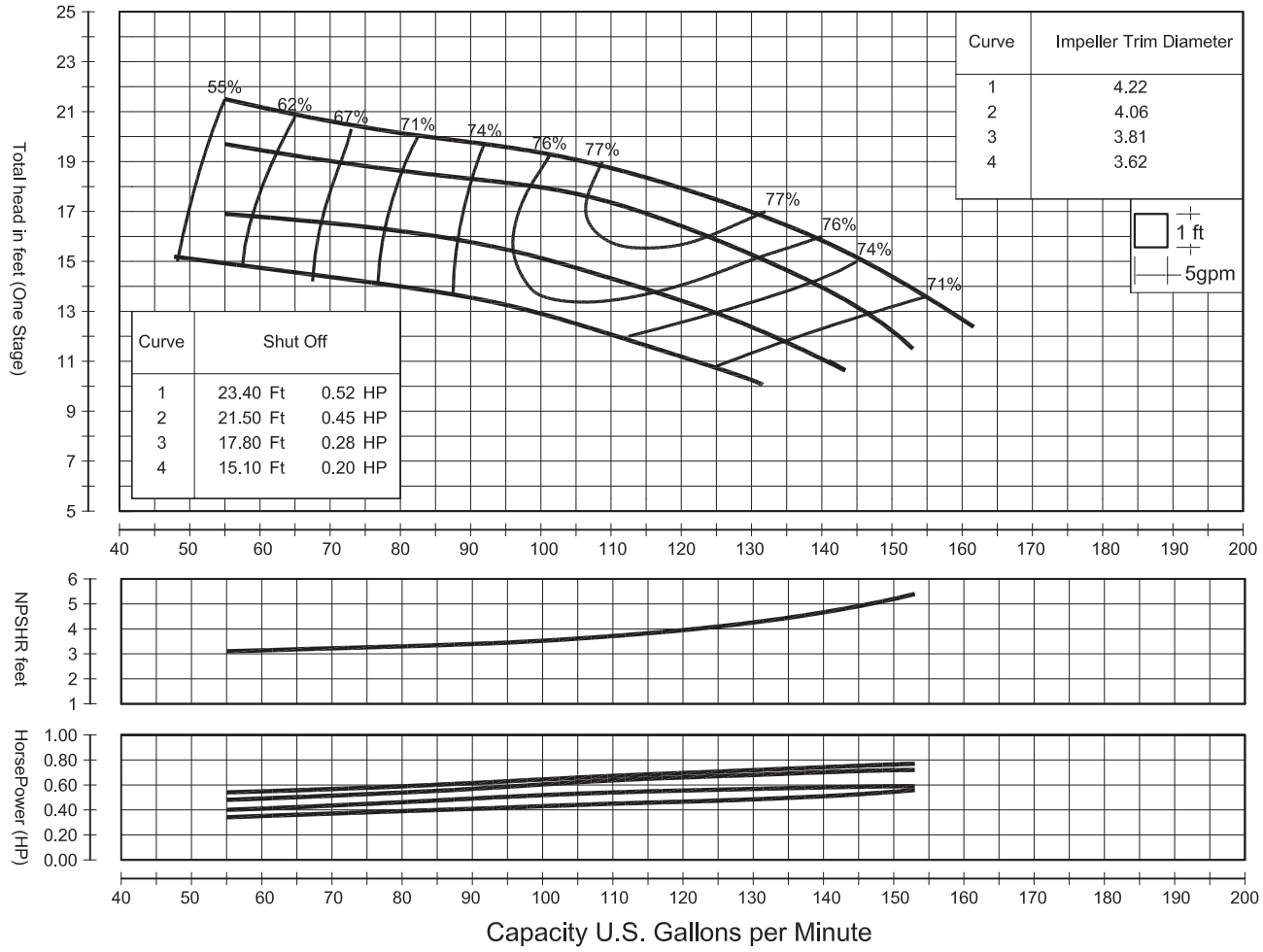


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP6MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1750



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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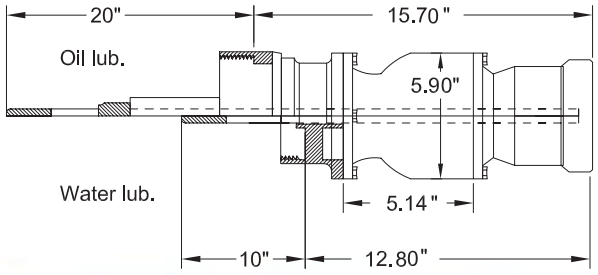
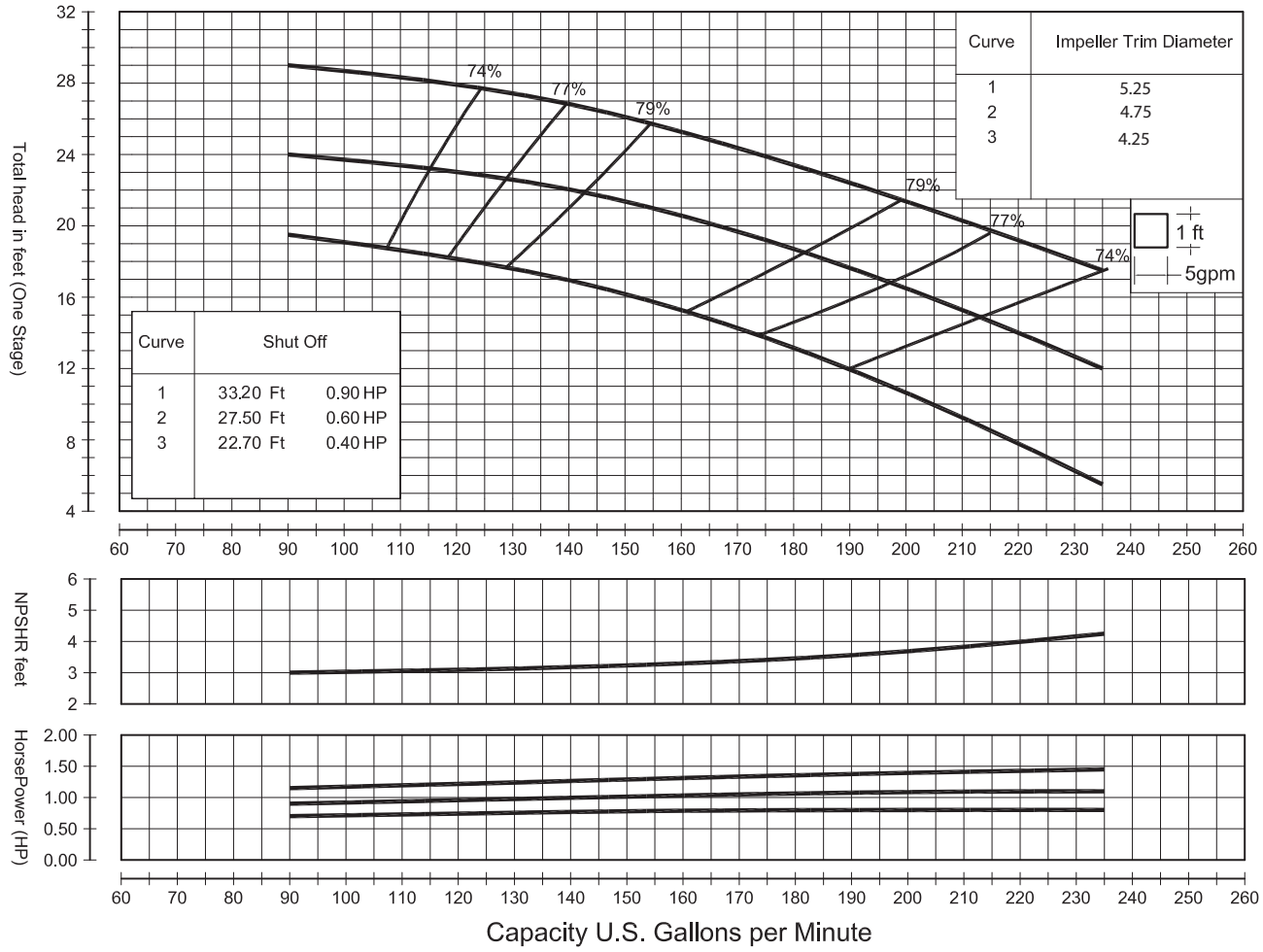


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP7HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770



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.	TCWDBDD
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	31.0	Specific Speed	2183

Stages	Efficiency Correction
1	- 4.00
2	- 2.00
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"

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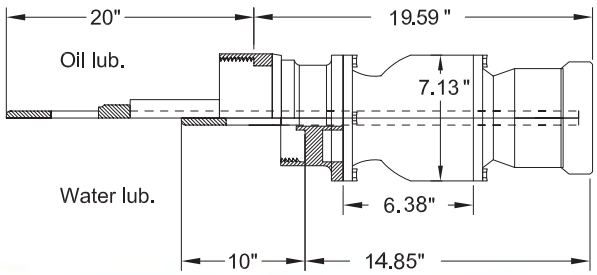
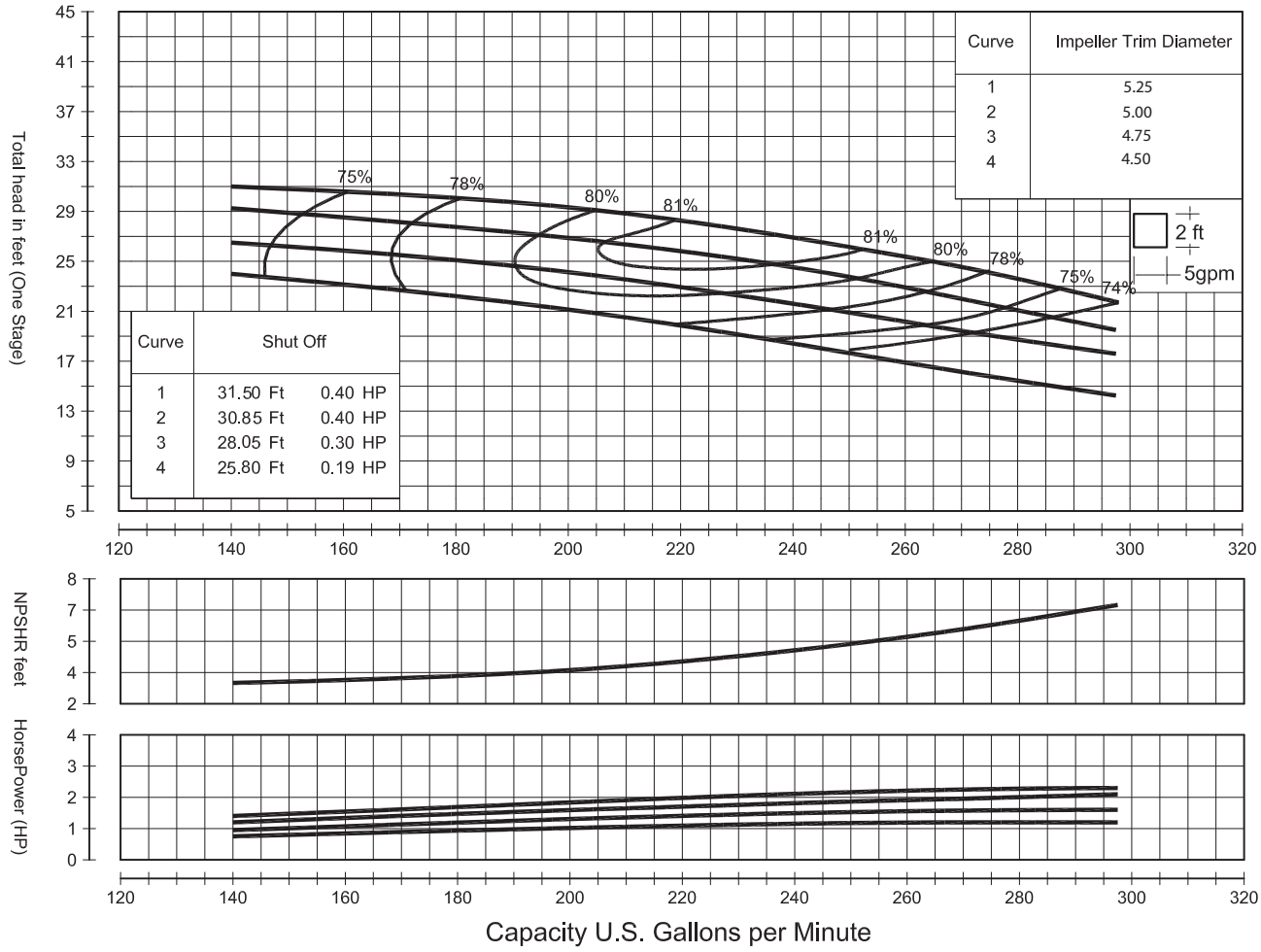


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP7HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770



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. 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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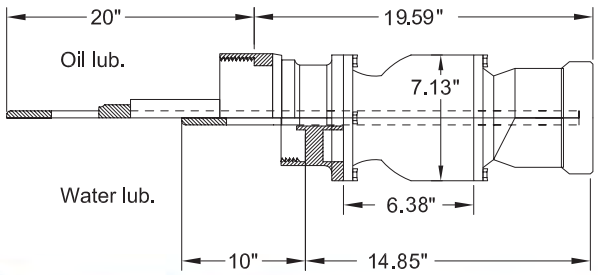
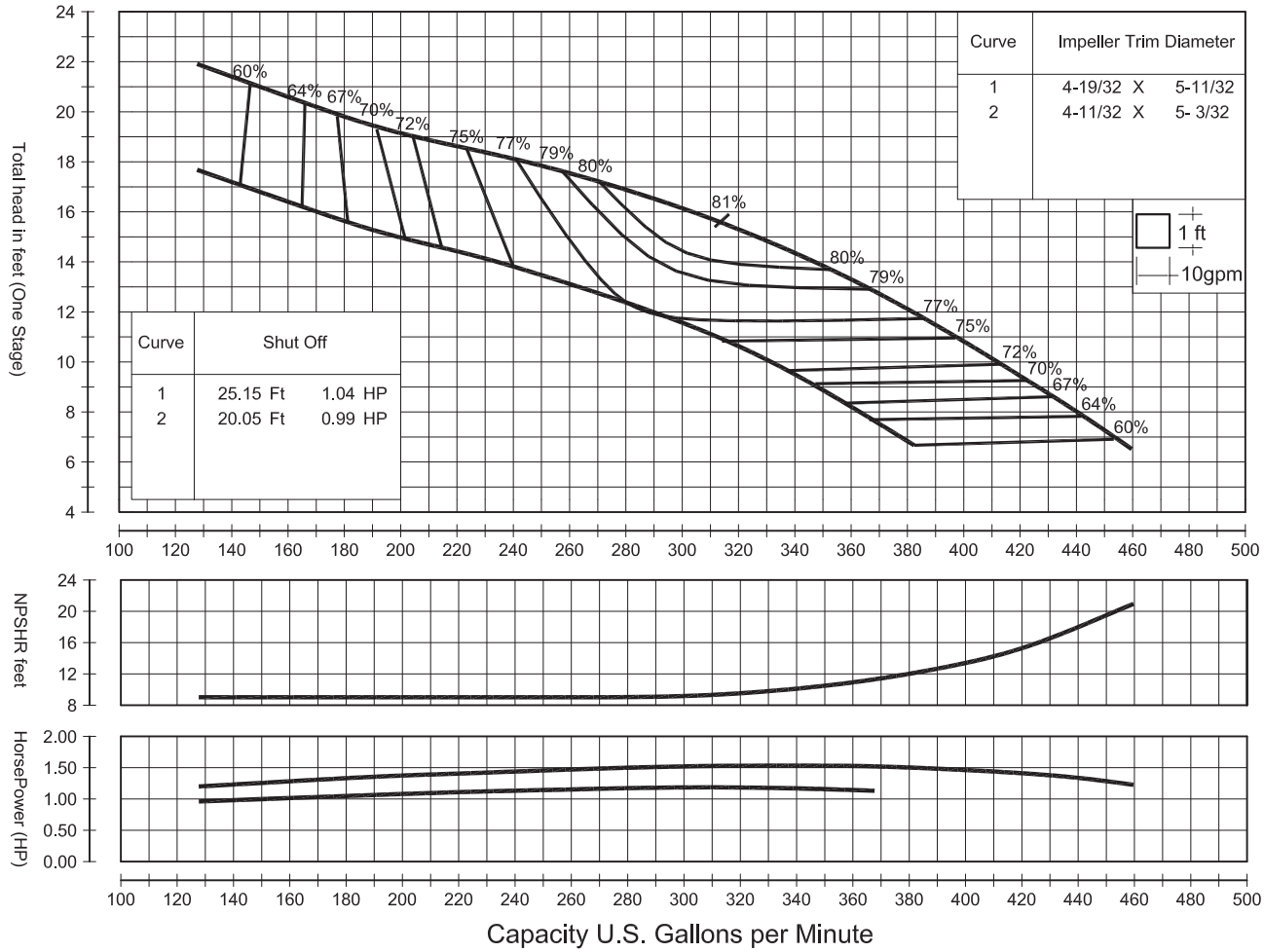


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP7MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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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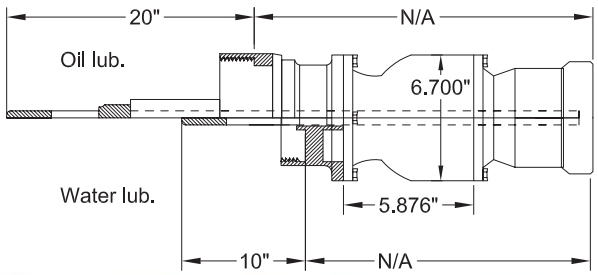
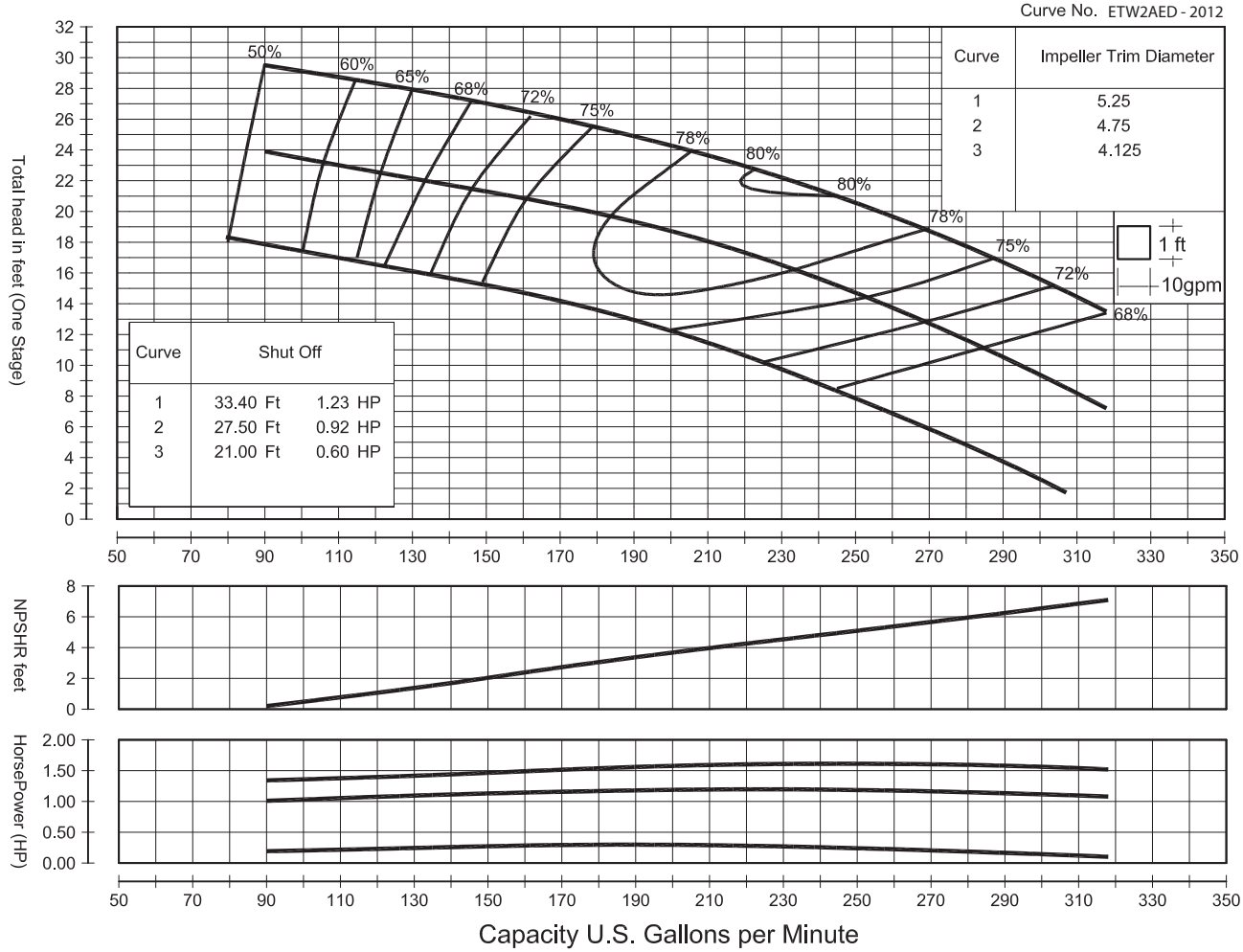


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP8ML
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760

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. Ratlng polnt only ls guaranteed. Column losses not included.

* Std. Construction: Discharge 4"

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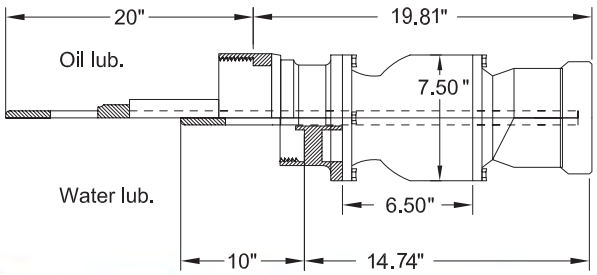
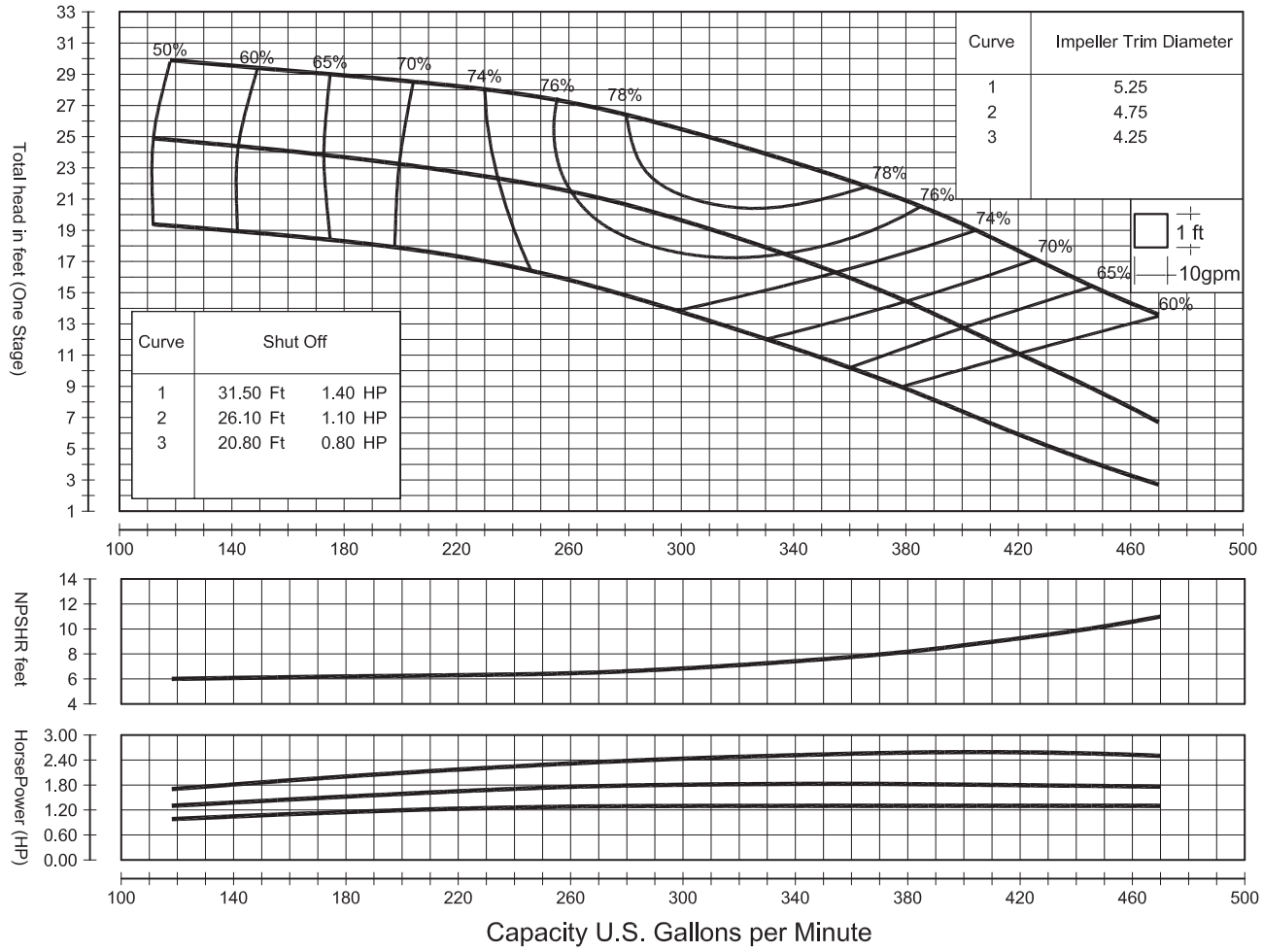


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP8MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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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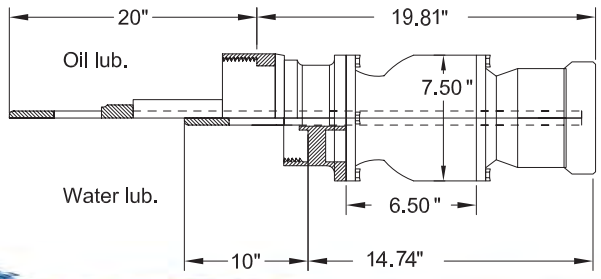
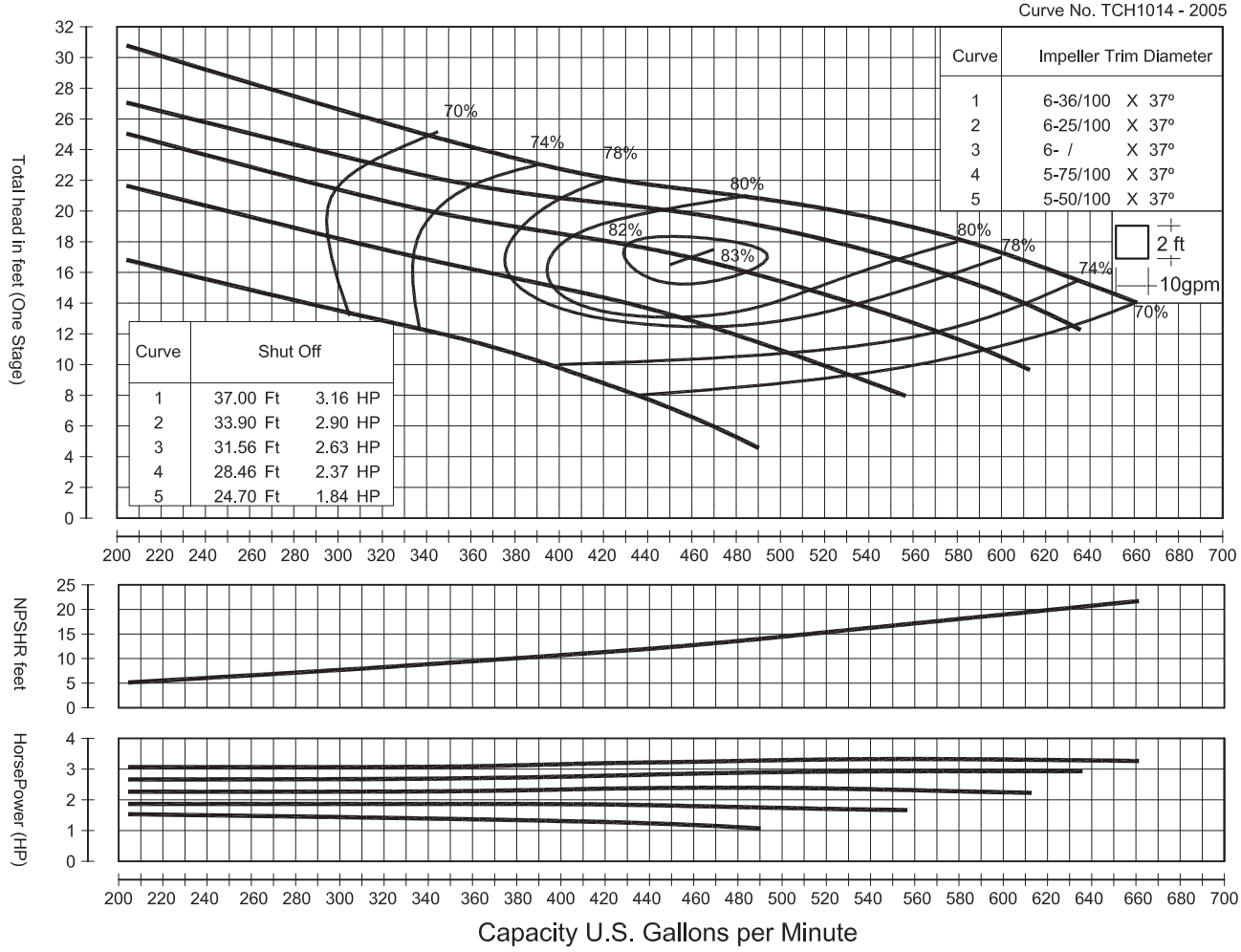


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP8HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760

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.

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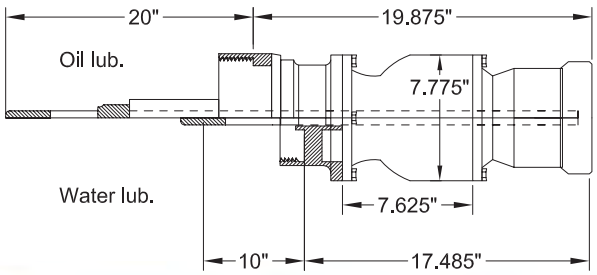
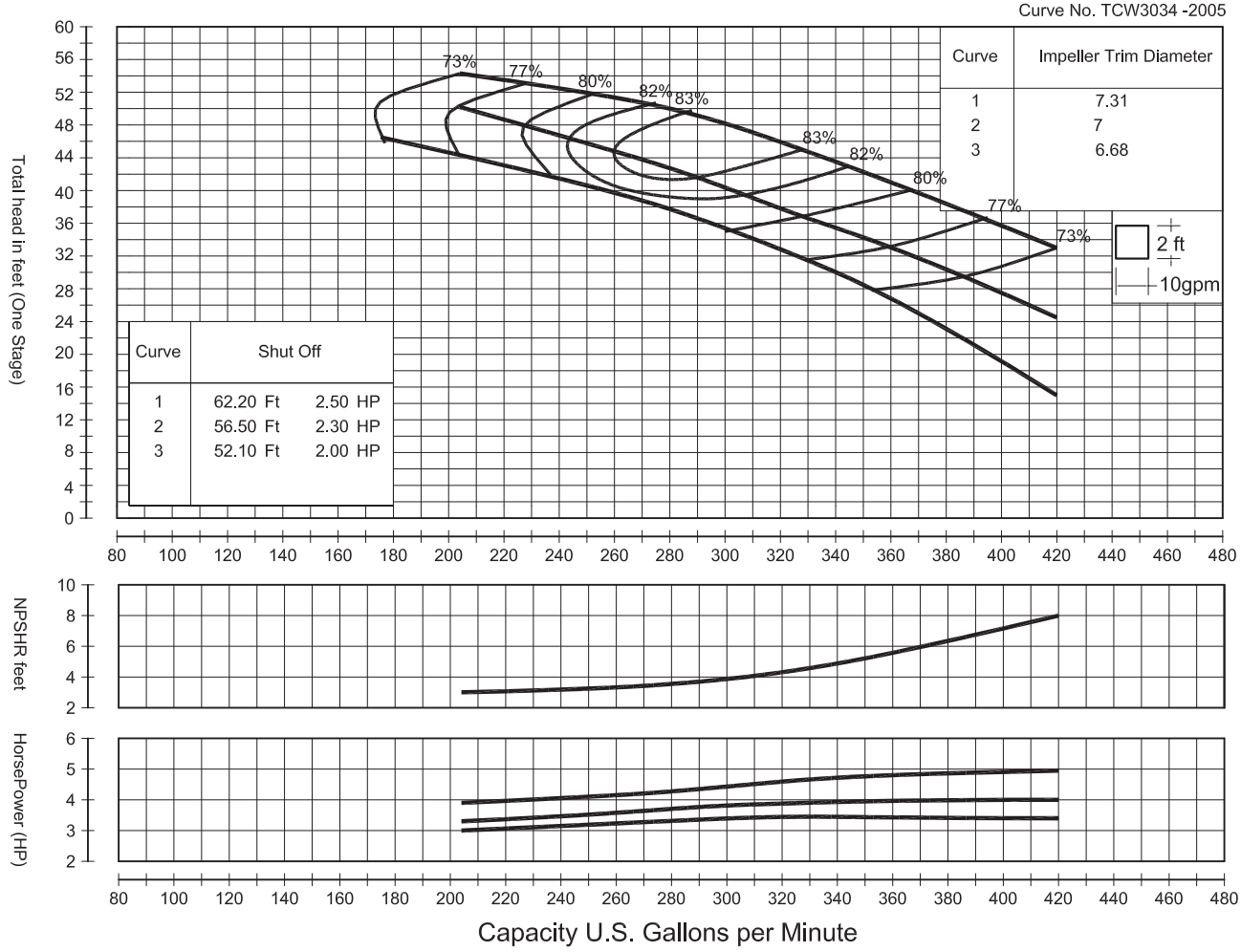


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM** **TDH** **HP** **EFFIC.**		MODEL NPP9ML
	ENGINEER:	**SERVICE CONDITION:**	**STAGES**	RPM 1770
END USER:		**PROJECT:**		

Curve No. TCW3034 -2005



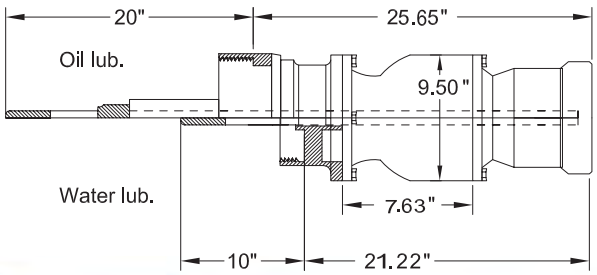
Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ^{2} LB-FT ^{2}	.330
Std. Lateral Setting	.630"	Impeller Type	ENCLOSED
Max. Lateral Setting	.880"	Impeller No.	ETWDDDE
Discharge Sizes	6",8"	Max. Sphere Size	N/A
Suction Sizes	6"	K-Factor, Max. LB/Ft	4.60
One Stage Subm. 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.

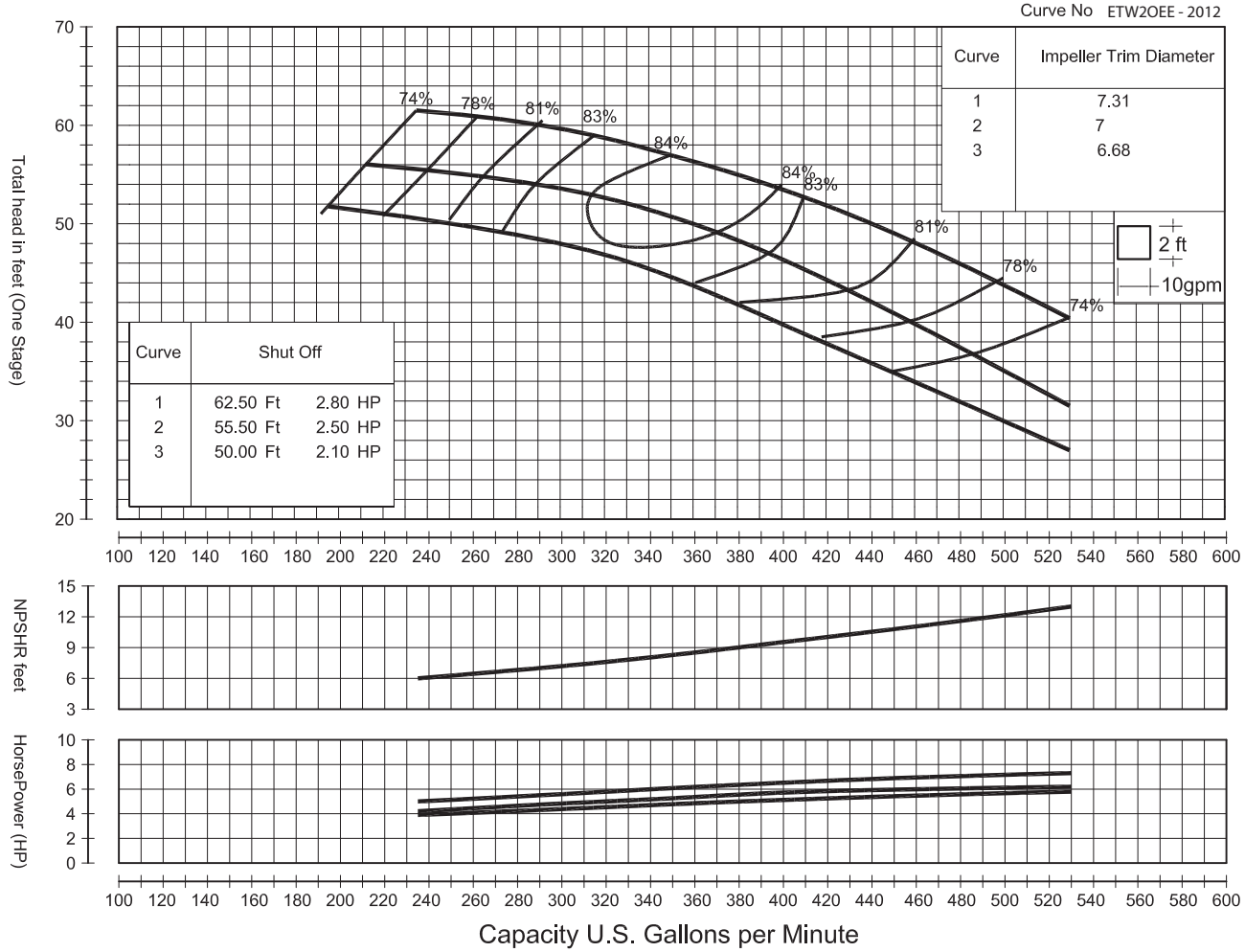
* Std. Construction: Discharge 6"

pumpandpond.com



CONTRACTOR:	GPM TDH HP EFFIC.	MODEL
ENGINEER:	SERVICE CONDITION: / STAGES	NPP9MH
END USER:	PROJECT:	RPM 1770

Curve No ETW2OEE - 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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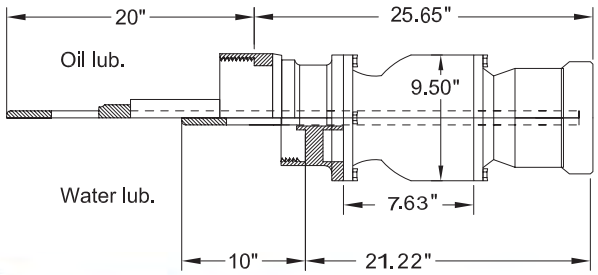
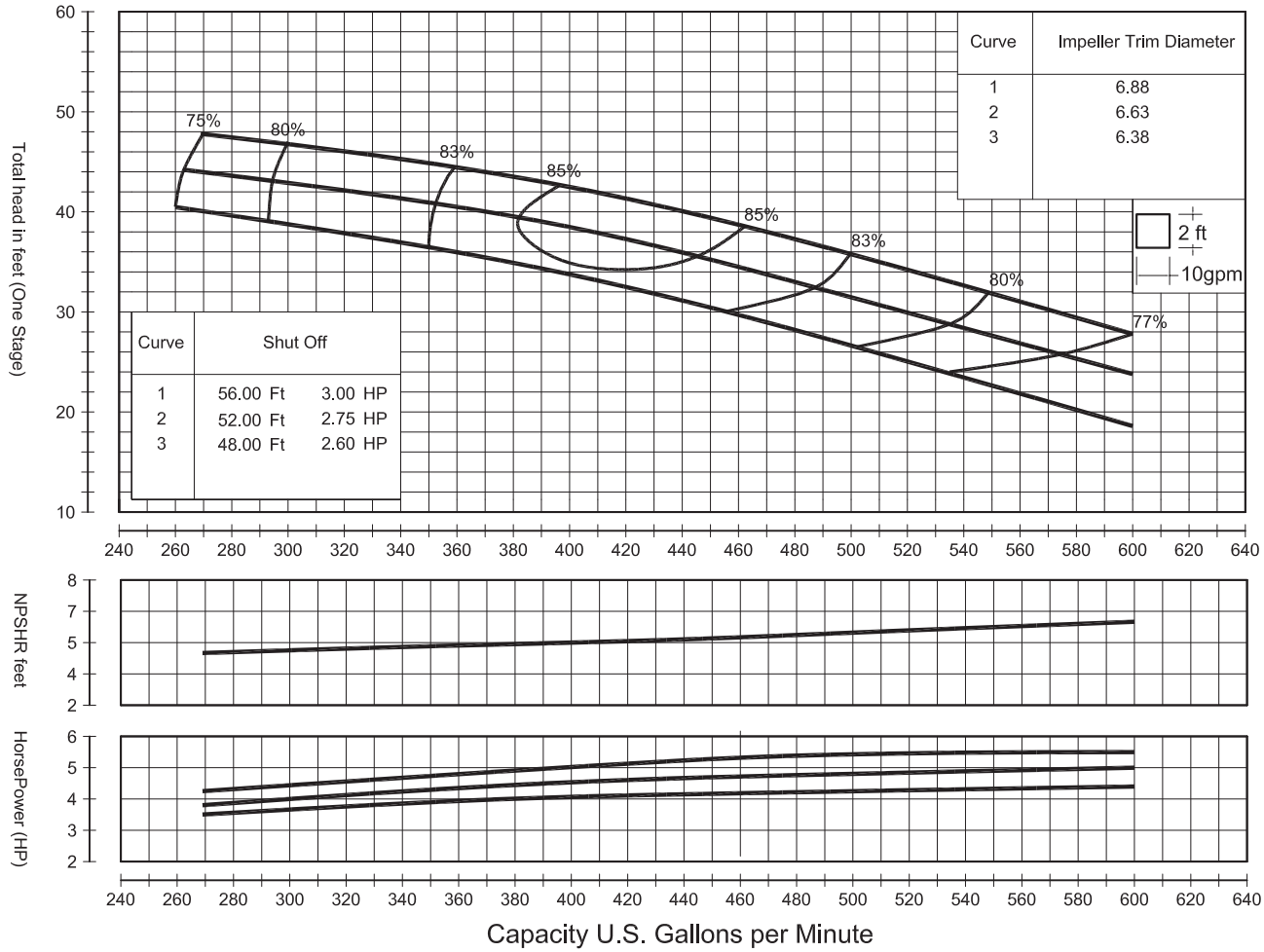


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP9HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770



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"

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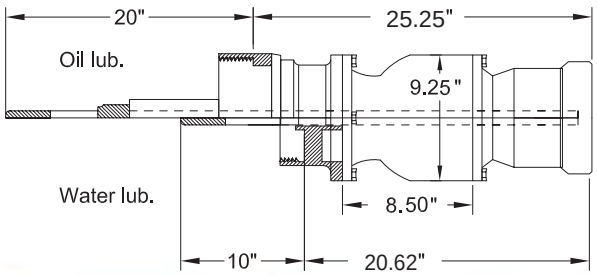
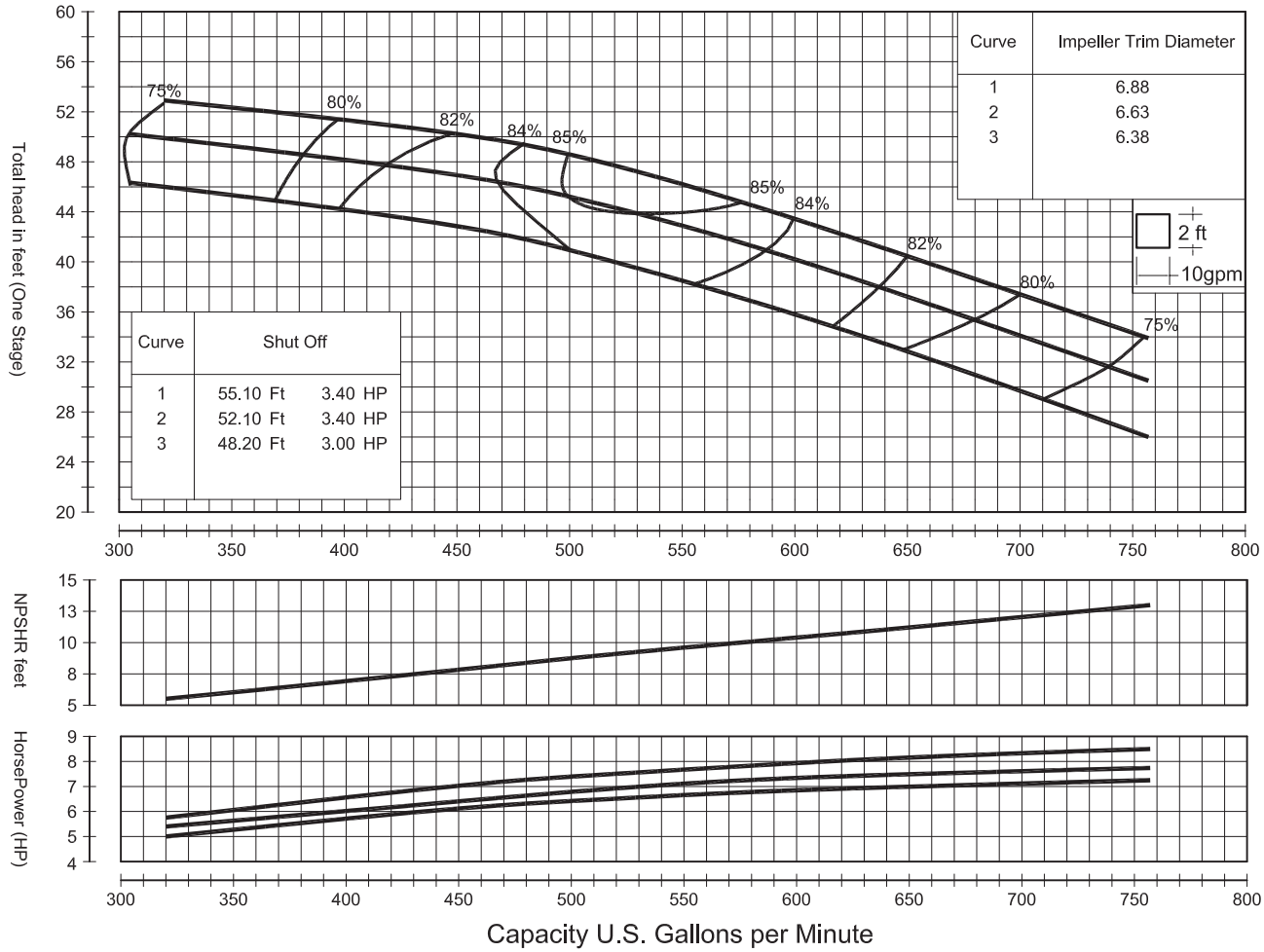


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP9HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770



Std. Shaft Diameter	1.50"	Impeller WT- LB	7.0
Max. Shaft Diameter	1.50"	One Stage WR ^{2} LB-FT ^{2}	.330
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. Ratlng polnt only ls guaranteed. Column losses not included.

* Std. Construction: Discharge 6"

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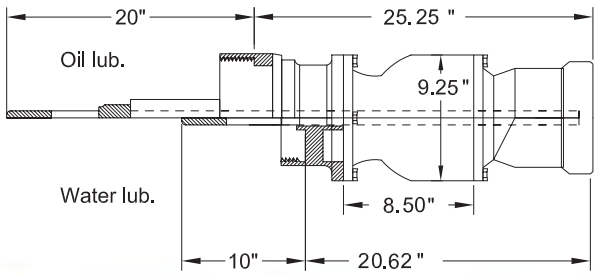
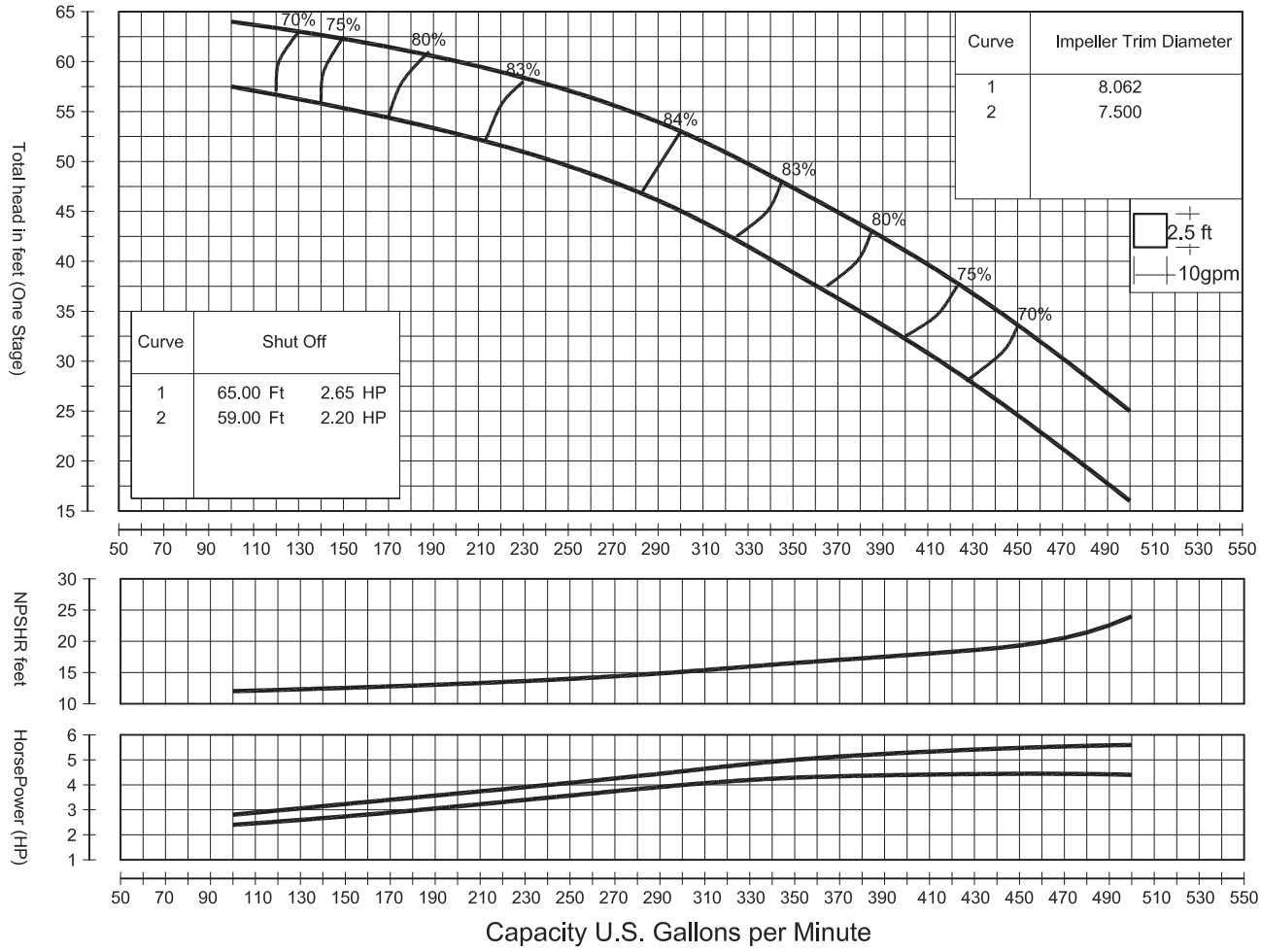


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP10LL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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"

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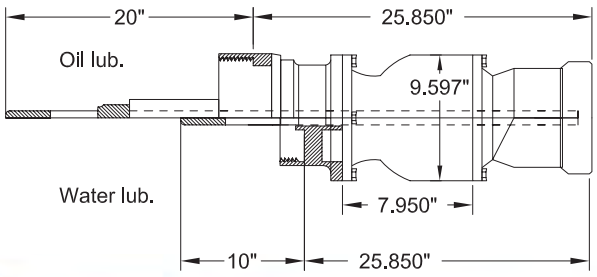
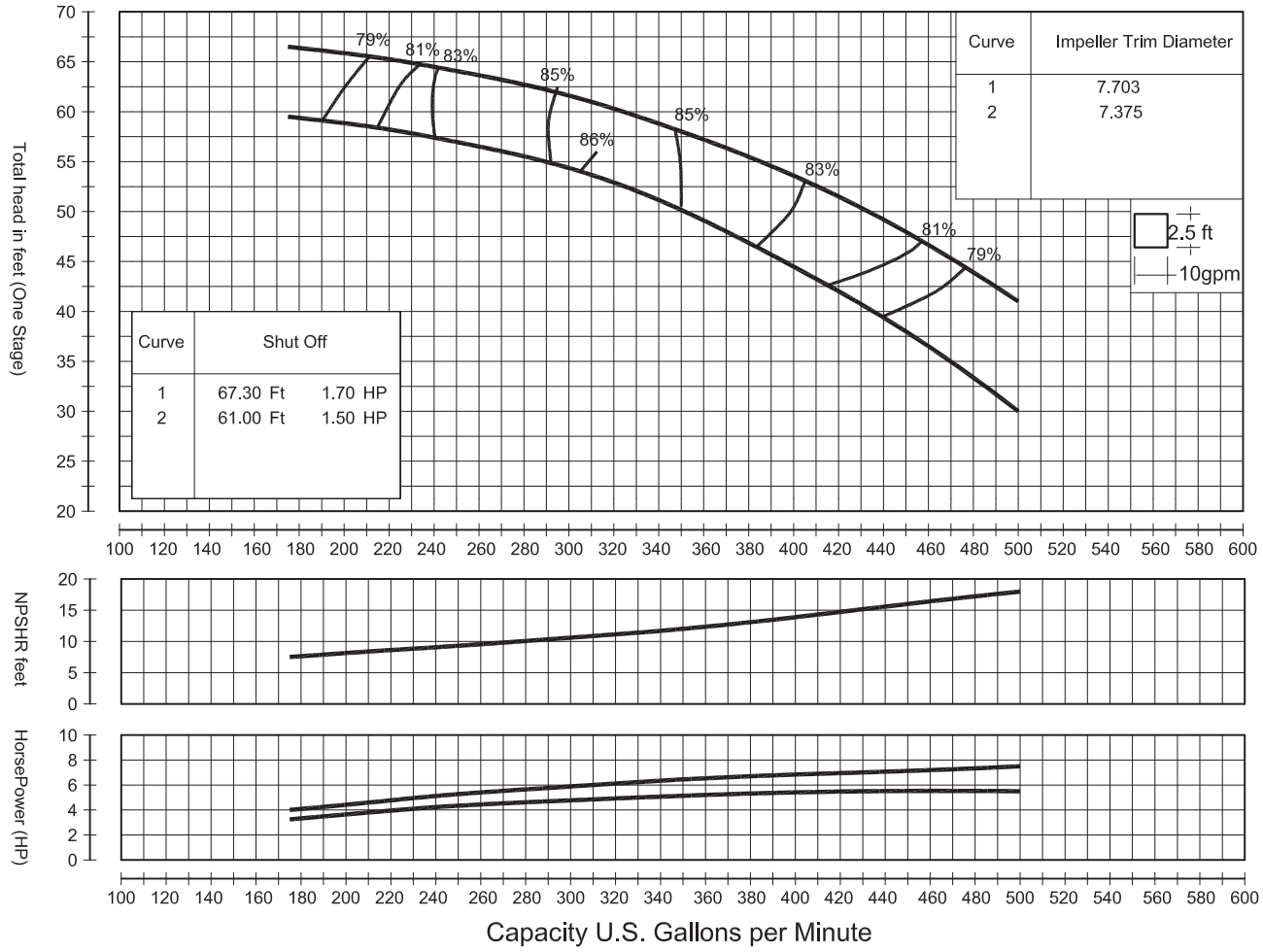


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP10LH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



Std. Shaft Diameter	1.500"	Impeller WT- LB	7.716
Max. Shaft Diameter	1.500"	One Stage WR^2 LB-FT^2	.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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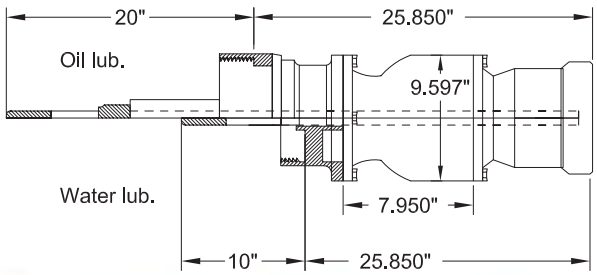
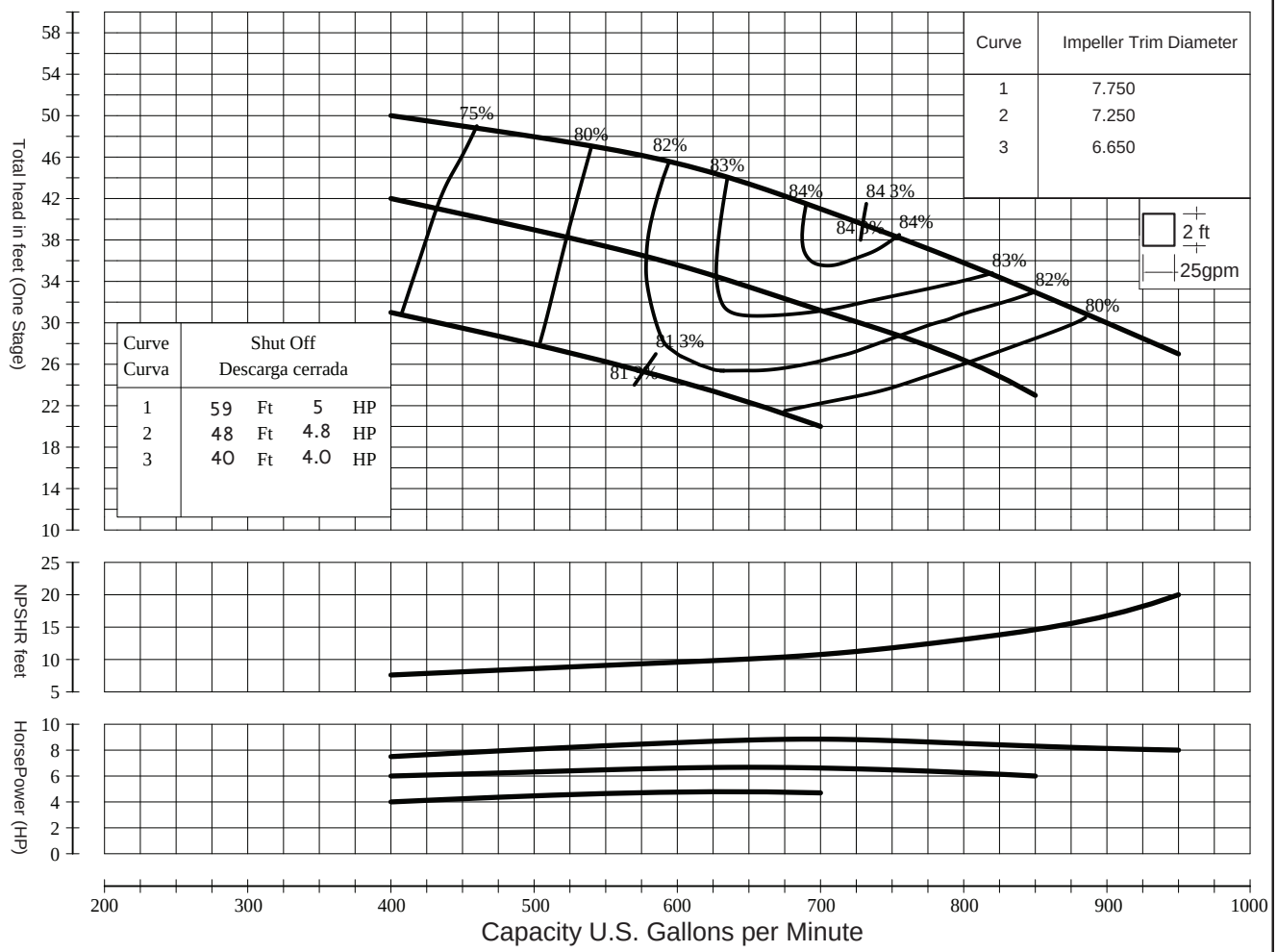


CONTRACTOR:	GPM TDH HP EFFIC.	MODEL
ENGINEER:	SERVICE CONDITION: / STAGES	NPP10MH
END USER:	PROJECT:	RPM 1760



Std. Shaft Diameter	1.500"	Impeller WT- LB	8.50
Max. Shaft Diameter	———	One Stage WR ^{2} LB-FT ^{2}	0.321
Opt. Lateral Setting	0.625"	Impeller Type	ENCLOSED
Max. Lateral Setting	———	Impeller No.	TCWDADE
Discharge Sizes	8,6	Max. Sphere Size	0.610
Suction Sizes	N/A	K-Factor, Max.	6.100
One Stage Subm. WT-LB	164.00	Max. Operating P.S.I	336.33
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
Add. Stage WT- LB	64.00	Specific Speed	2842

Stages	Efficiency Correction
1	- 4.00
2	- 3.00
3	- 2.00
4	- 1.00
5	0.00
Based Std. Mtl's	

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

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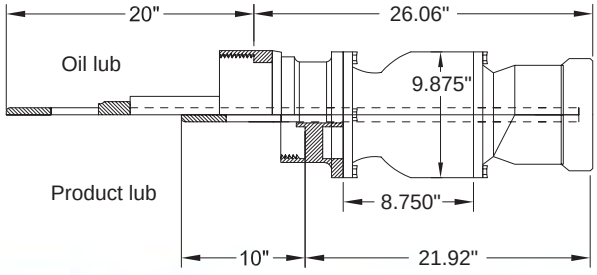
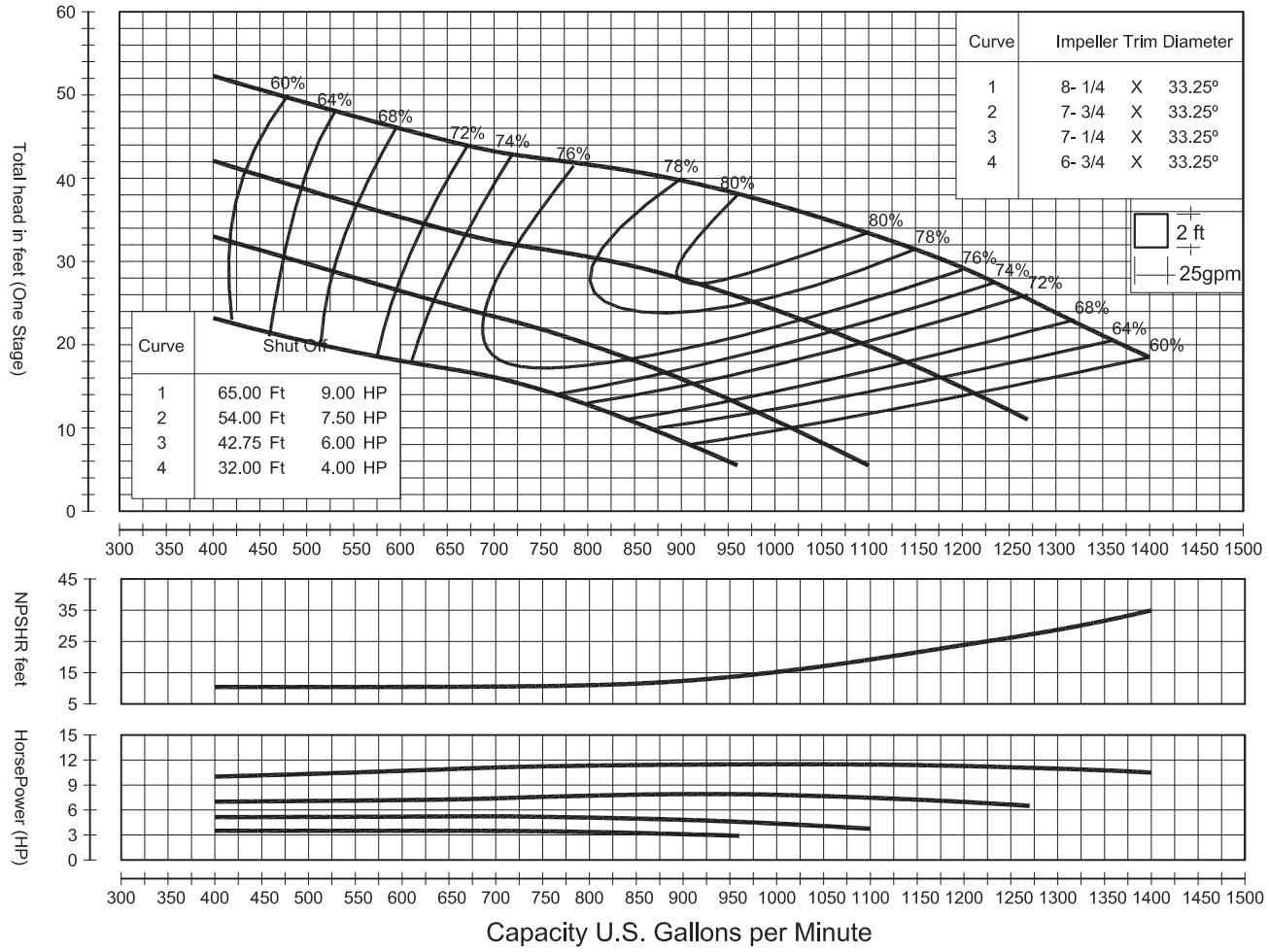


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP10YH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760

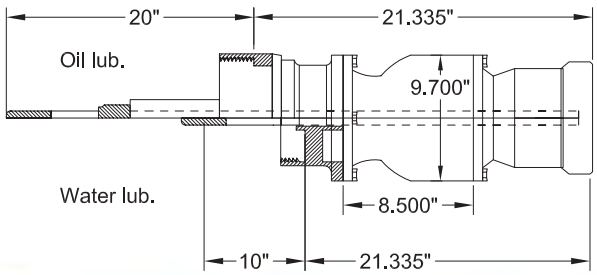


Std. Shaft Diameter	1.500"	Impeller WT- LB	11.023
Max. Shaft Diameter	1.500"	One Stage WR ^{2} LB-FT ^{2}	N/A
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	TCX1015
Discharge Sizes	8"	Max. Sphere Size	.875
Suction Sizes	8"	K-Factor, Max.	10.3
One Stage Subm. 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

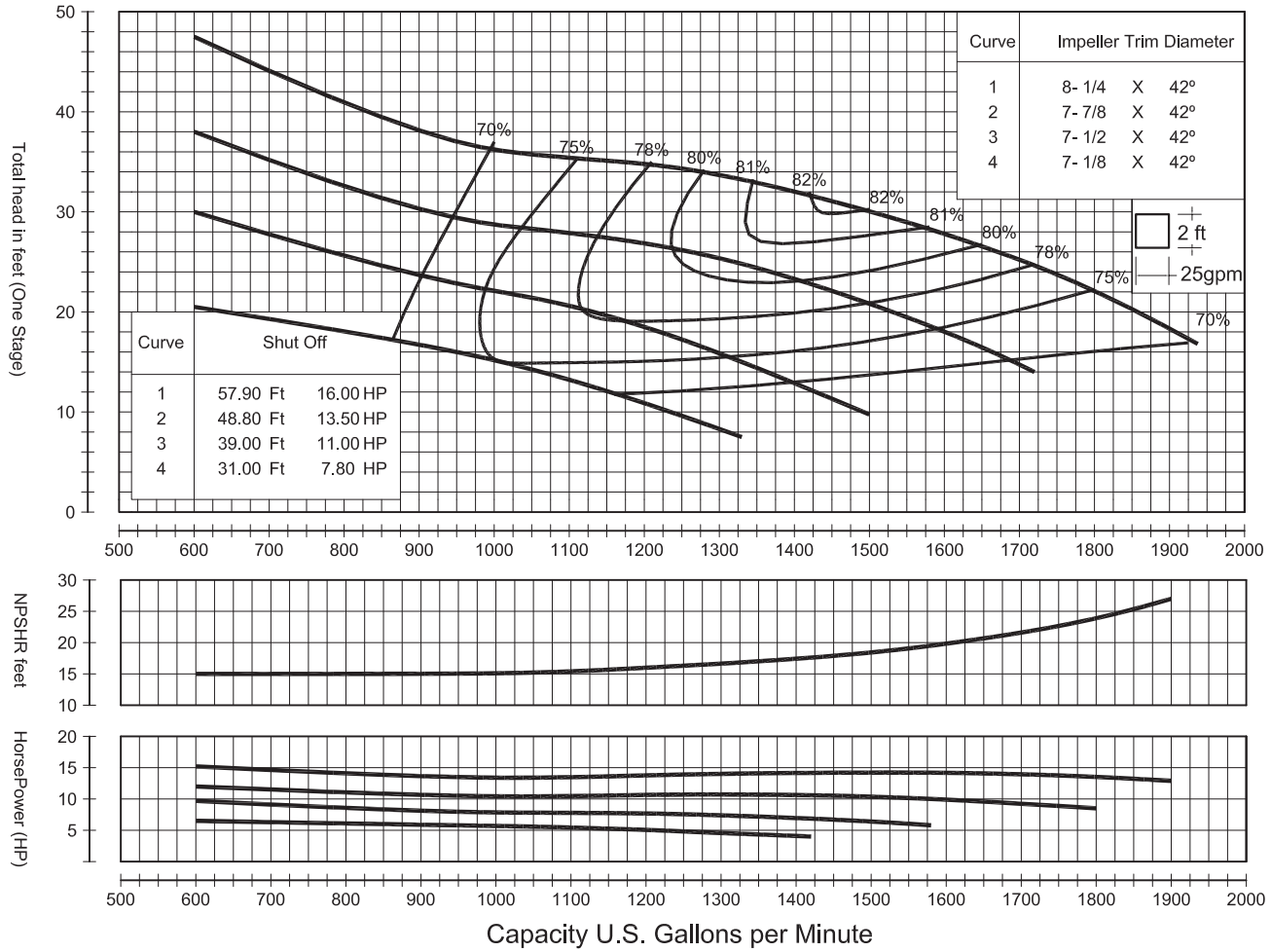
Stages	Efficiency Correction
1	- 4.00
2	- 2.00
3	- 1.00
Based Std. Mtl's	- 4.00

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

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP10HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760

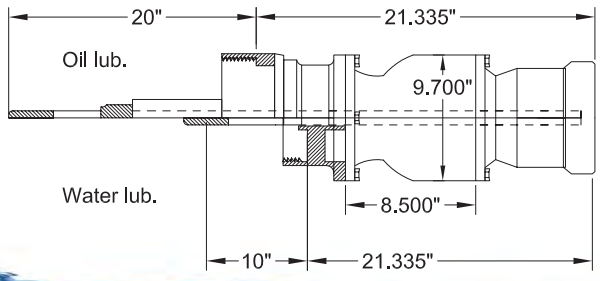


Std. Shaft Diameter	1.500"	Impeller WT- LB	10.582
Max. Shaft Diameter	1.500"	One Stage WR ^{2} LB-FT ^{2}	N/A
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1015
Discharge Sizes	8"	Max. Sphere Size	1.438"
Suction Sizes	8"	K-Factor, Max.	13.6
One Stage Subm. 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

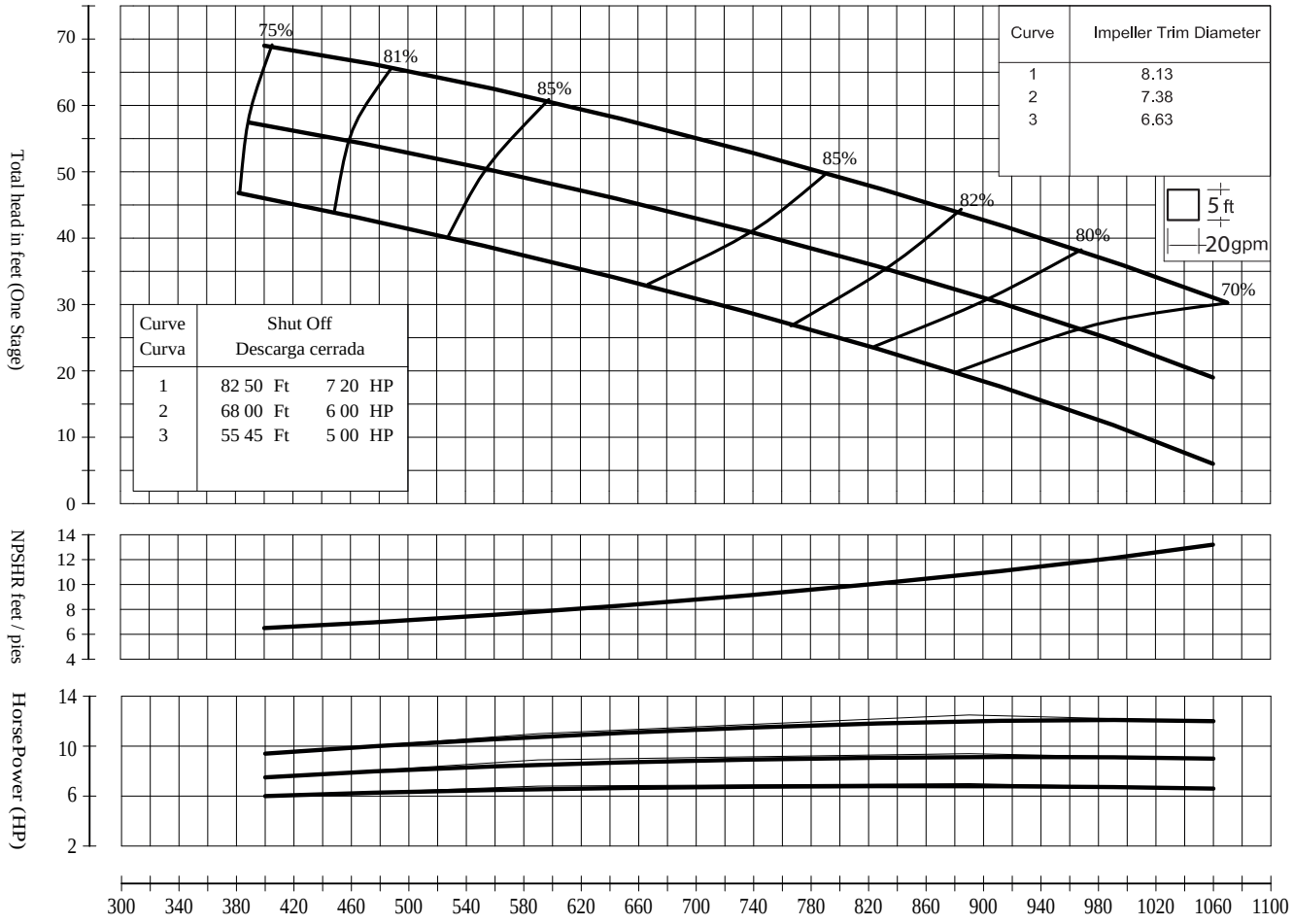
Stages	Efficiency Correction
1	- 6.00
2	- 5.00
3	- 3.00
4	- 1.00
Based Std. Mtl's	- 4.00

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

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP11HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770

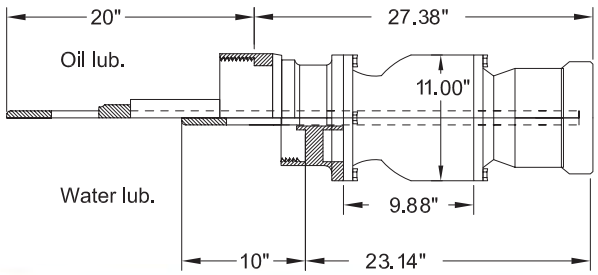


Std. Shaft Diameter	1.50"	Impeller WT- LB	13.0
Max. Shaft Diameter	1.69"	One Stage WR ^{2} LB-FT ^{2}	.890
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	ETWDADG
Discharge Sizes	8"	Max. Sphere Size	0.68"
Suction Sizes	8"	K-Factor, Max. LB/Ft	7.9
One Stage Subm. 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

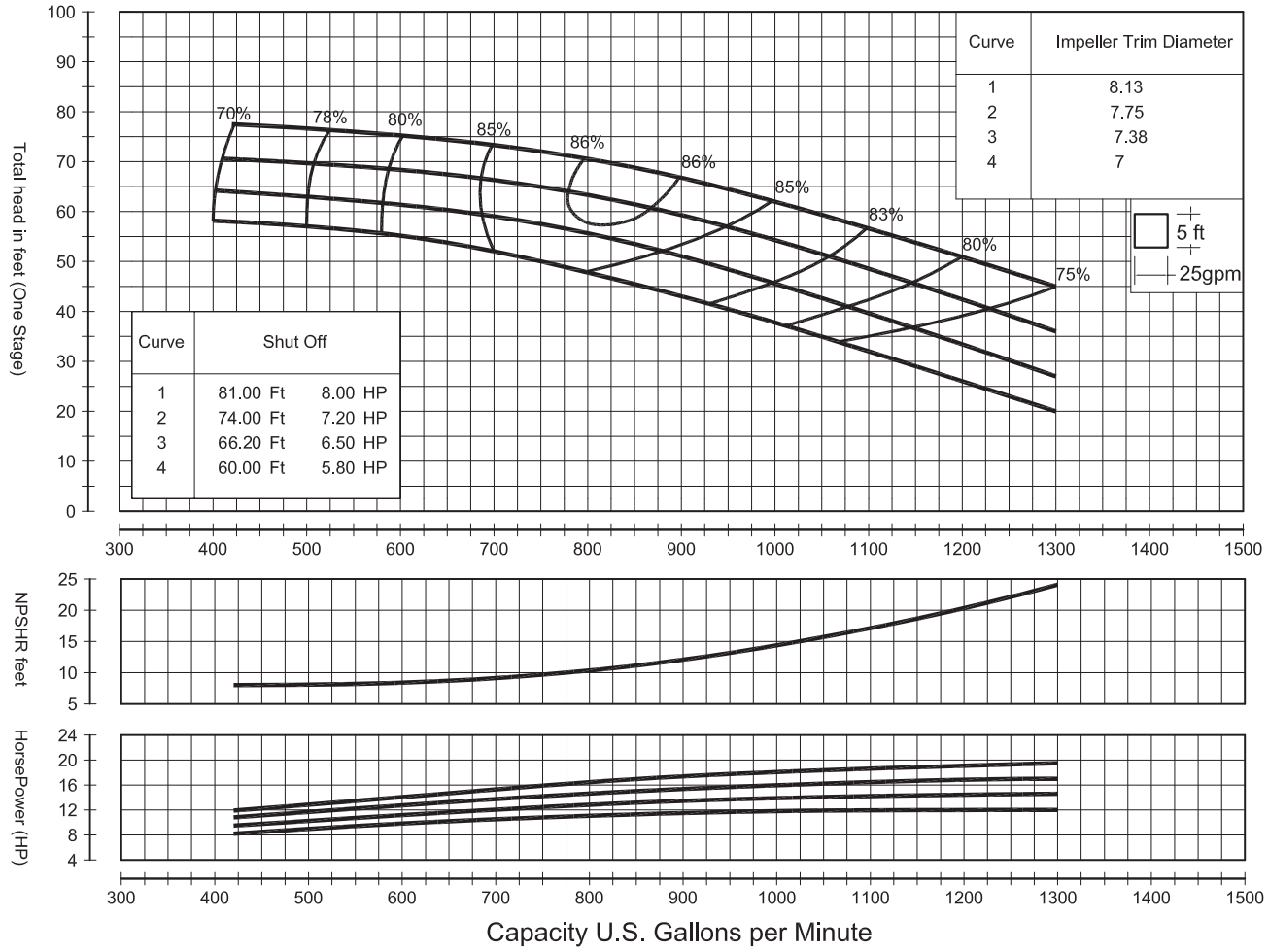
Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

Characteristics based upon pumpig clear, non-aerated water. Ratlng polnt only ls guaranteed. Column losses not included.

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP11HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770

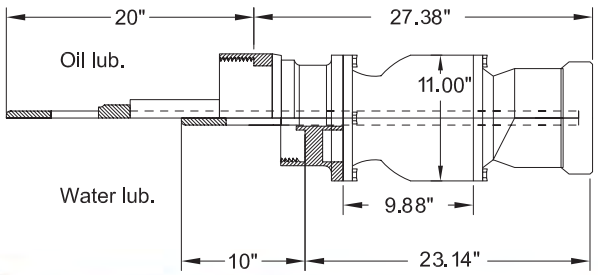


Std. Shaft Diameter	1.50"	Impeller WT- LB	13.0
Max. Shaft Diameter	1.69"	One Stage WR ^{2} LB-FT ^{2}	.890
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.750"	Impeller No.	ETWDBDG
Discharge Sizes	8"	Max. Sphere Size	0.68"
Suction Sizes	8"	K-Factor, Max. LB/Ft	7.4
One Stage Subm. 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

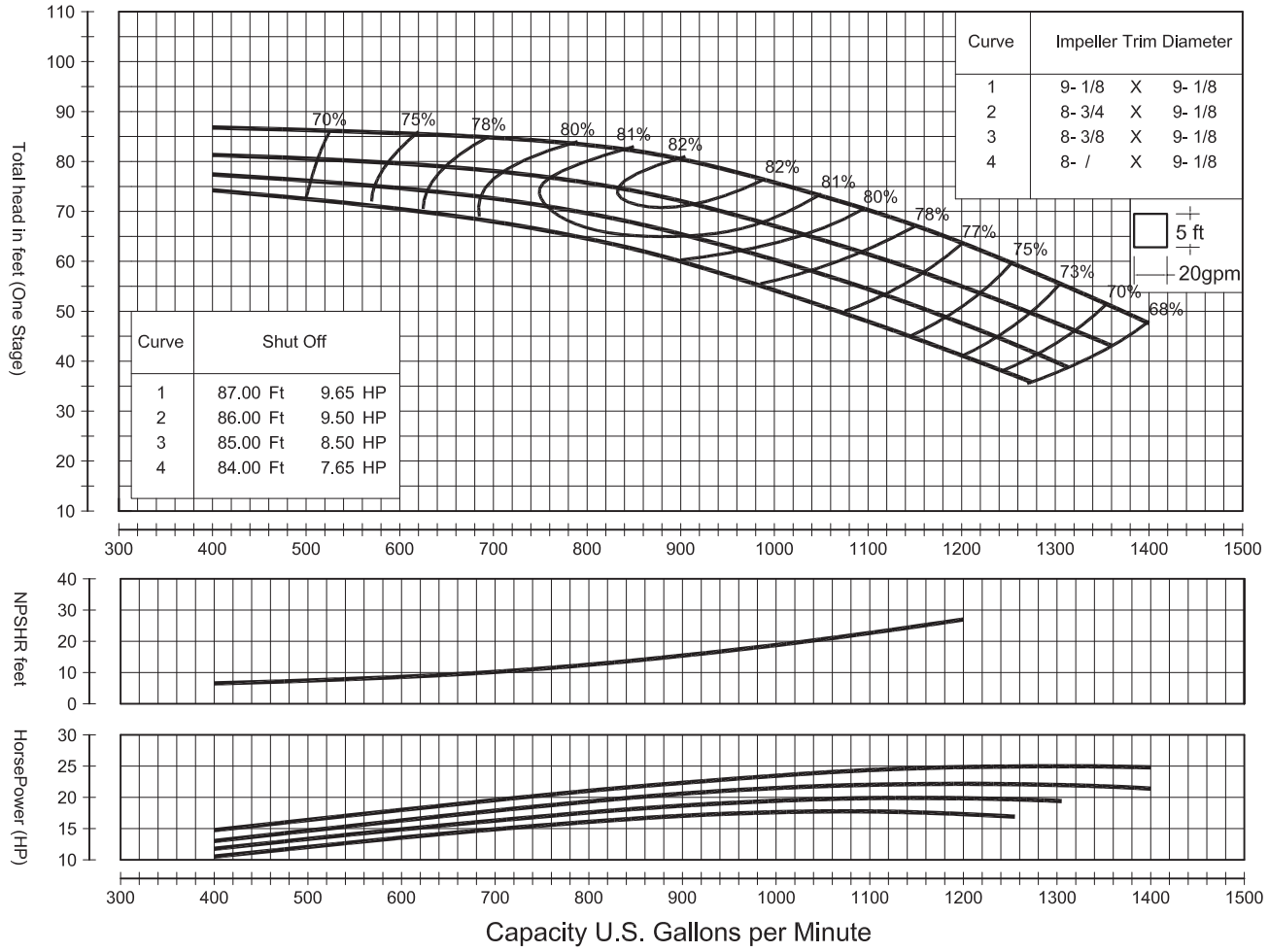
Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.50
Based Std. Mtl's	- 2.00

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

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP12LL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760

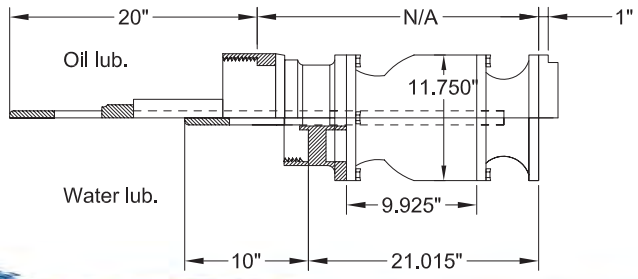


Std. Shaft Diameter	1.500"	Impeller WT- LB	17.600
Max. Shaft Diameter	1.688"	One Stage WR ^{2} LB-FT ^{2}	144
Std. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting	.720"	Impeller No.	TCL1436
Discharge Sizes	8"	Max. Sphere Size	.813"
Suction Sizes	8"	K-Factor, Max.	6
One Stage Subm. WT-LB	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

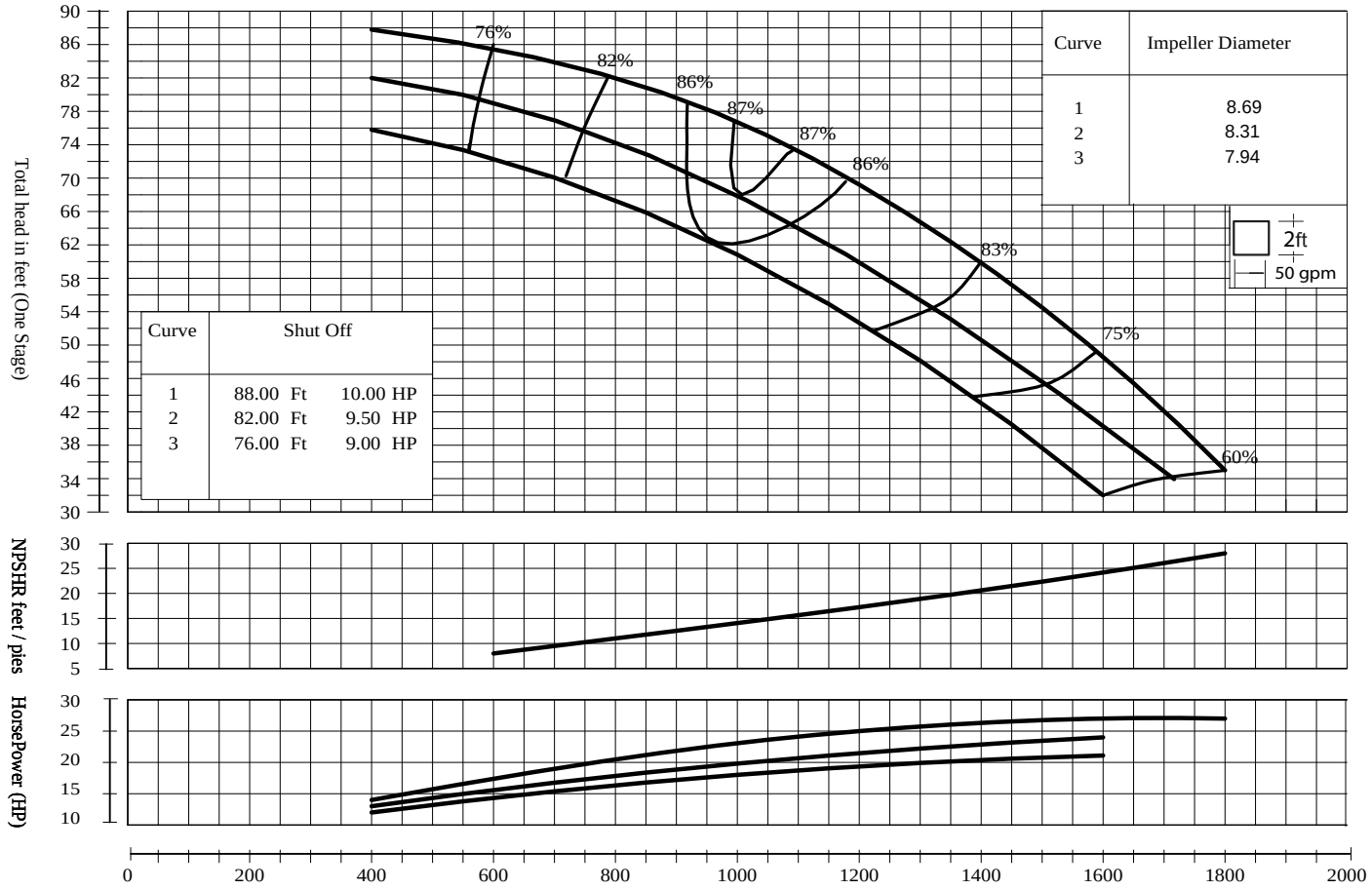
Stages	Efficiency Correction
1	- 1.50
2	- 1.00
3	- 0.70
4	- 0.50
Based Std. Mtl's	- 2.50

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

* Std. Construction:Suction Bell



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP12YH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
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 pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

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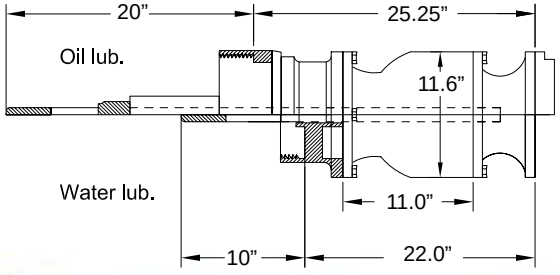

NP&P
NASHVILLE PUMP & POND
*proud distribution partner

SPEC
SUPERIOR PROCESS EQUIPMENT COMPONENTS

SPEC 1000

A proven polymer to replace bronze bearings in non-abrasive liquid pumps. This material has a run dry component that keeps pumps from seizing during system lubrication delays. It has a low coefficient of friction which adds to the efficiency of the pump and has great chemical resistance. This product has better wear characteristics than bronze and is compliant with FDA and NSF 61 guidelines.

1. *Low Coefficient of Friction*
2. *Lead Free*
3. *Great Chemical Resistance*
4. *Run Dry Component*
5. *Best Potable Water Replacement Bearing*

NASHVILLE PUMP & POND

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

NASHVILLE PUMP & POND

BOOSTER CAN
T-HEAD

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
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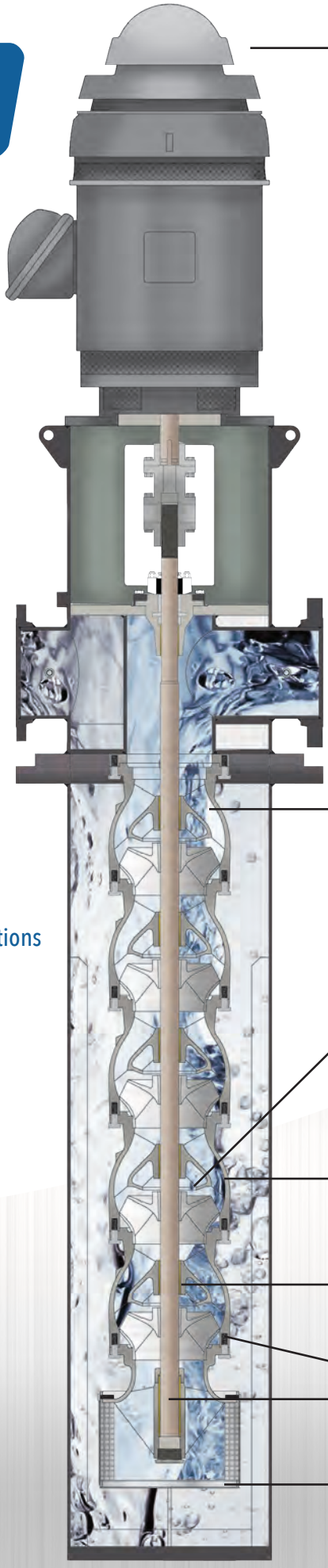

Pump Drive

Vertical Hollowshaft or Solid Shaft Motor
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- Top Thrust bearing oil lubricated
- WP-1 Weather Proof or TEFC enclosure available

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Stainless Steel Basket Strainer

NP&P
NASHVILLE PUMP & POND
*proud distribution partner

SPEC
SUPERIOR PROCESS EQUIPMENT COMPONENTS

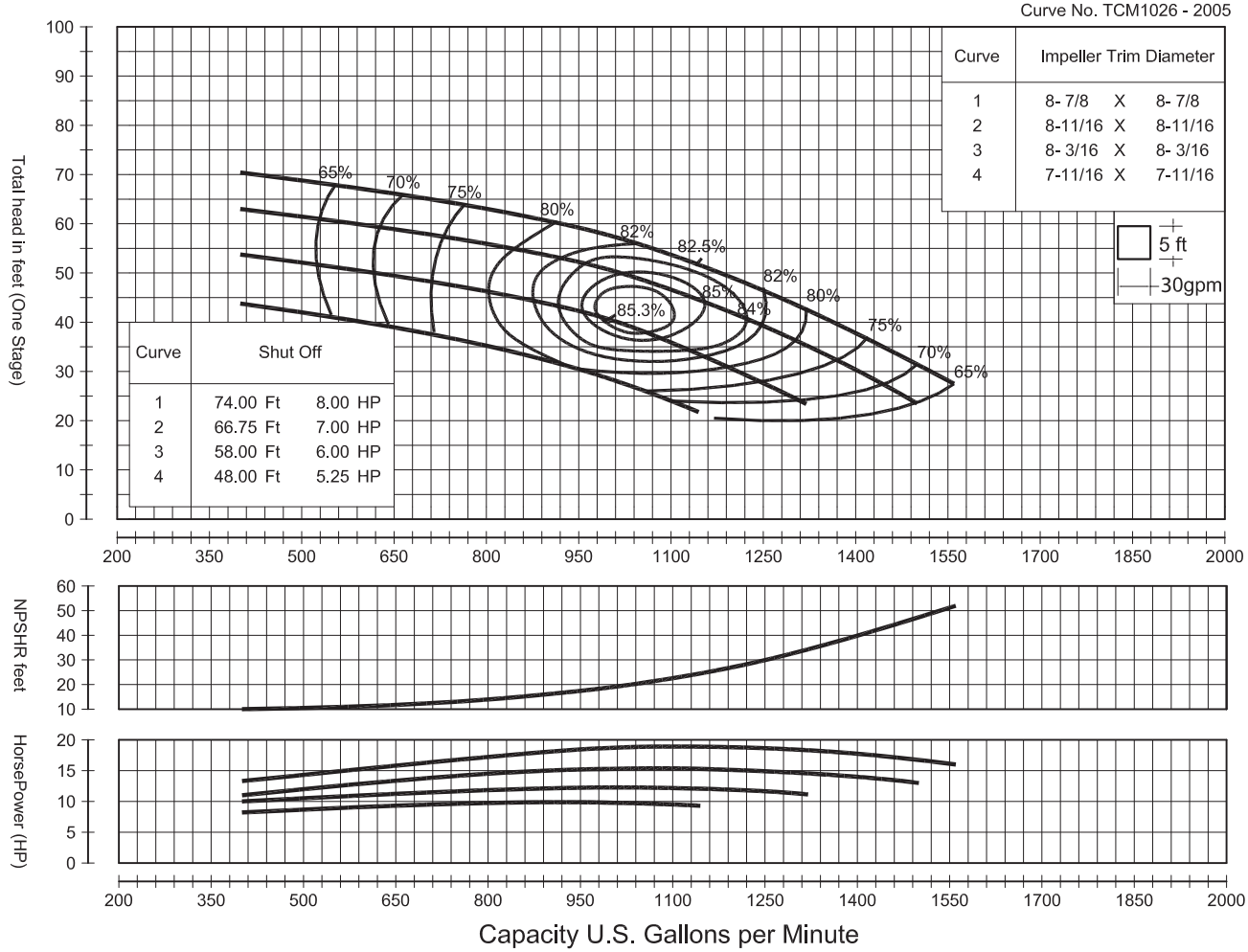
1. *Excellent abrasive resistance*
2. *Continuous run-dry capability*
3. *450 Degree F exposure*
4. *Material has NSF approval for potable water*
5. *Low coefficient of friction*
6. *Extensive list of Chemical Resistance*

SPEC 4000

A compound designed and tested for eight years to extend the life of your pump in almost every application. Our bearings and wear rings are compression molded from a carbon fiber graphite material that gives you phenomenal wear and heat dissipation properties.

CONTRACTOR:	GPM TDH HP EFFIC.	MODEL
ENGINEER:	SERVICE CONDITION: / STAGES	NPP12ML
END USER:	PROJECT:	RPM 1760

Curve No. TCM1026 - 2005



Curve	Impeller Trim Diameter
1	8- 7/8 X 8- 7/8
2	8-11/16 X 8-11/16
3	8- 3/16 X 8- 3/16
4	7-11/16 X 7-11/16

Curve	Shut Off	
1	74.00 Ft	8.00 HP
2	66.75 Ft	7.00 HP
3	58.00 Ft	6.00 HP
4	48.00 Ft	5.25 HP

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

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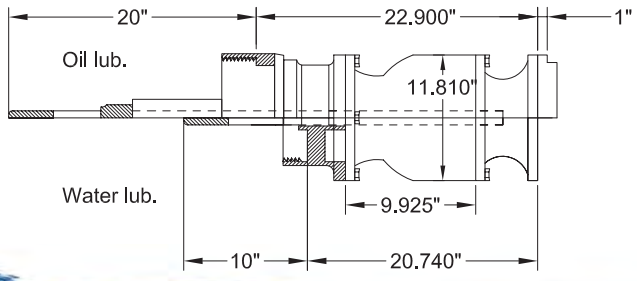
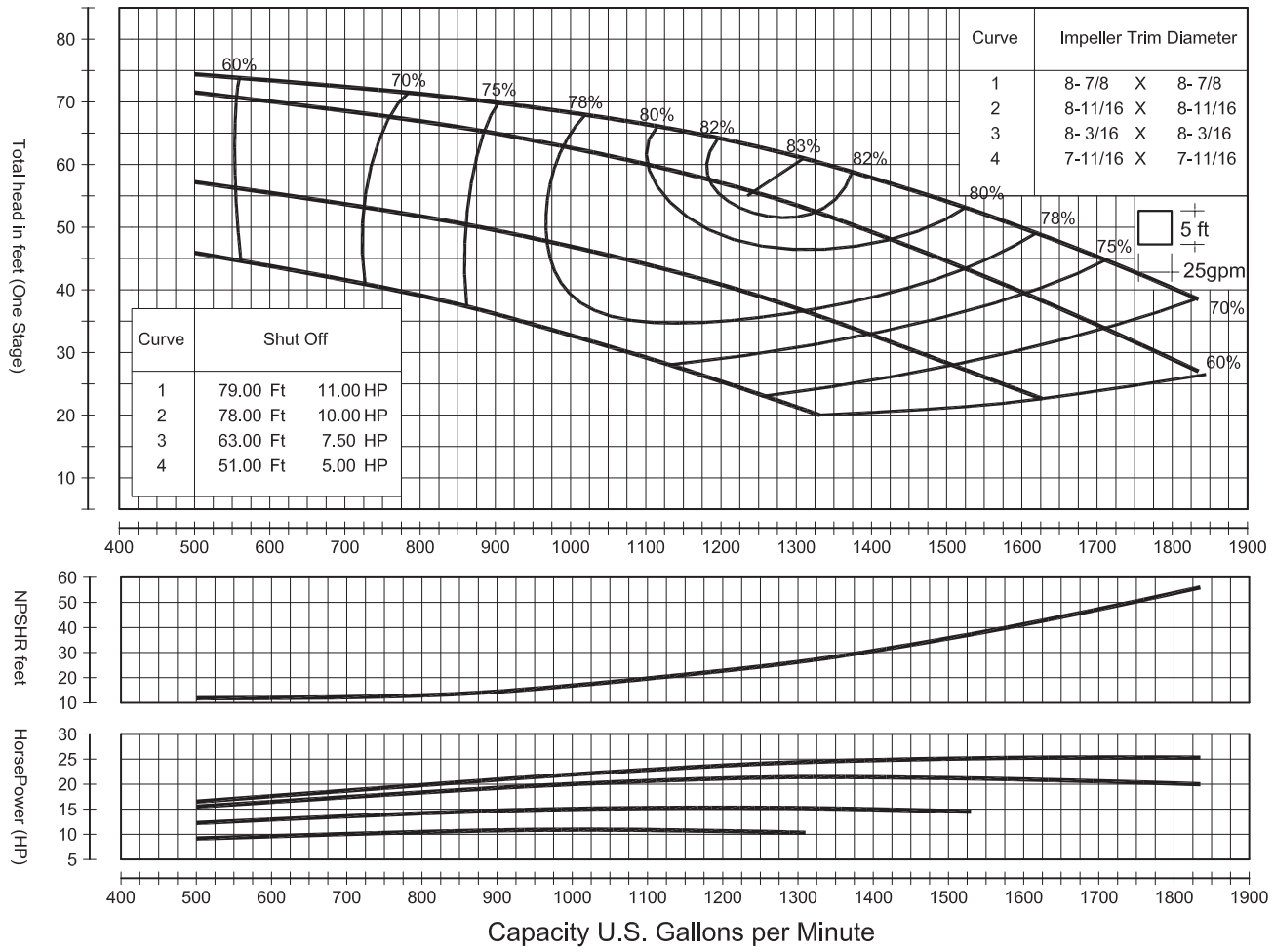


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP12MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



Std. Shaft Diameter	1.500"	Impeller WT- LB	13.228
Max. Shaft Diameter	1.688"	One Stage WR ^{2} LB-FT ^{2}	1.306
Std. Lateral Setting	.189"	Impeller Type	ENCLOSED
Max. Lateral Setting	.916"	Impeller No.	TCM1436
Discharge Sizes	8",10"	Max. Sphere Size	.813"
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

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: Discharge 8"

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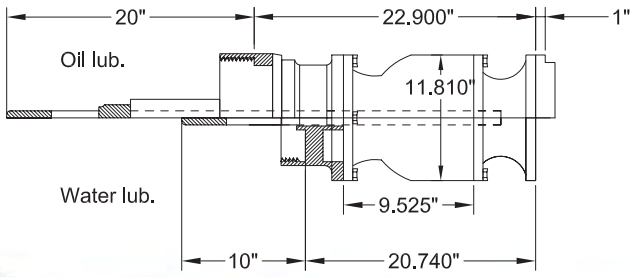
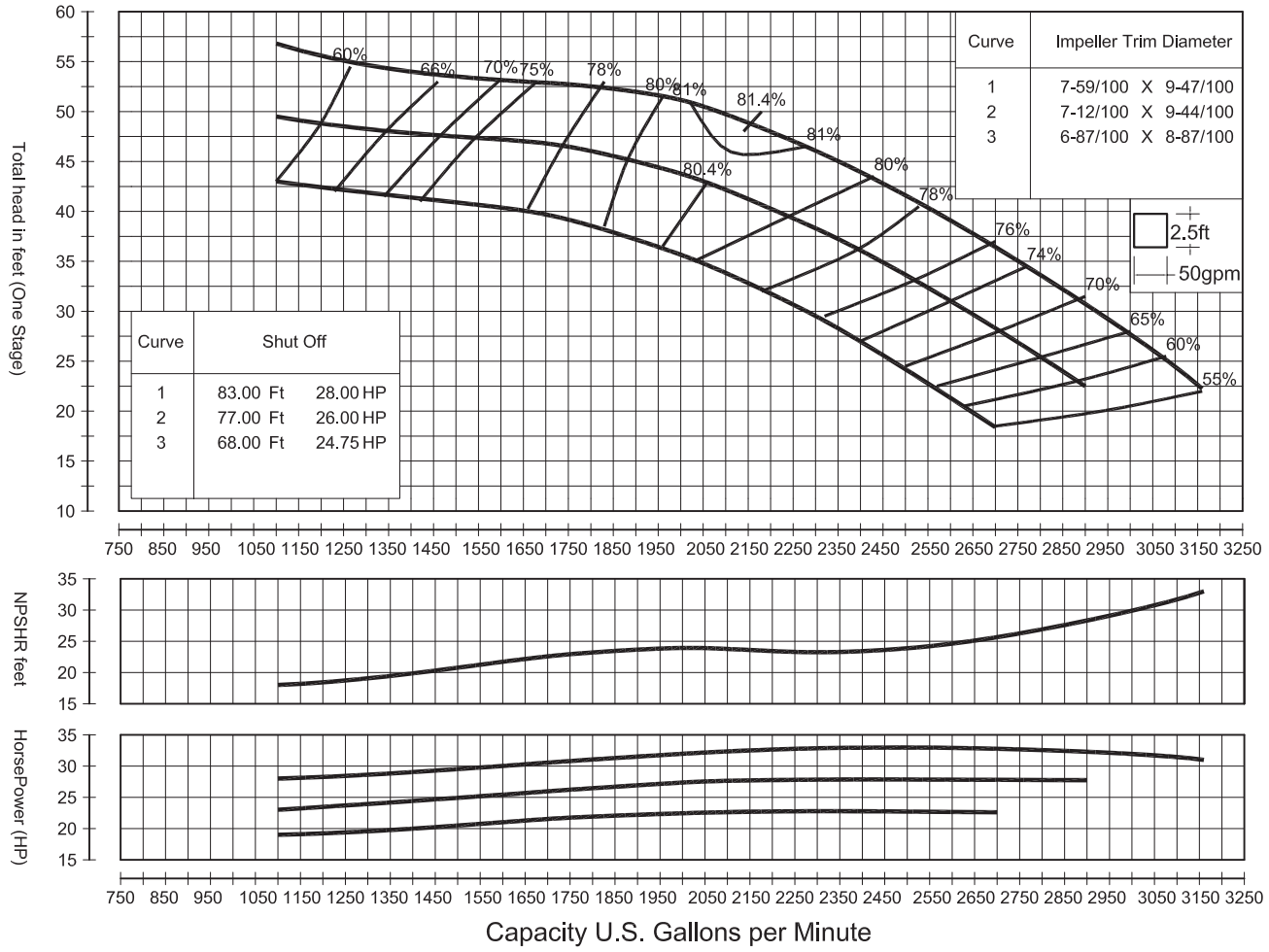


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP12HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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

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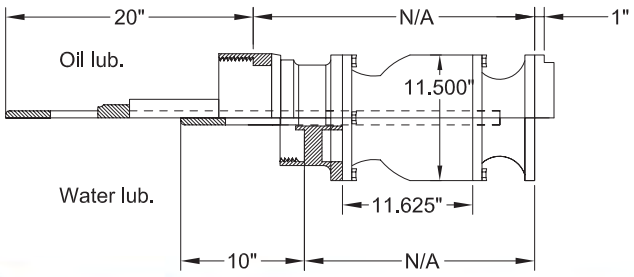
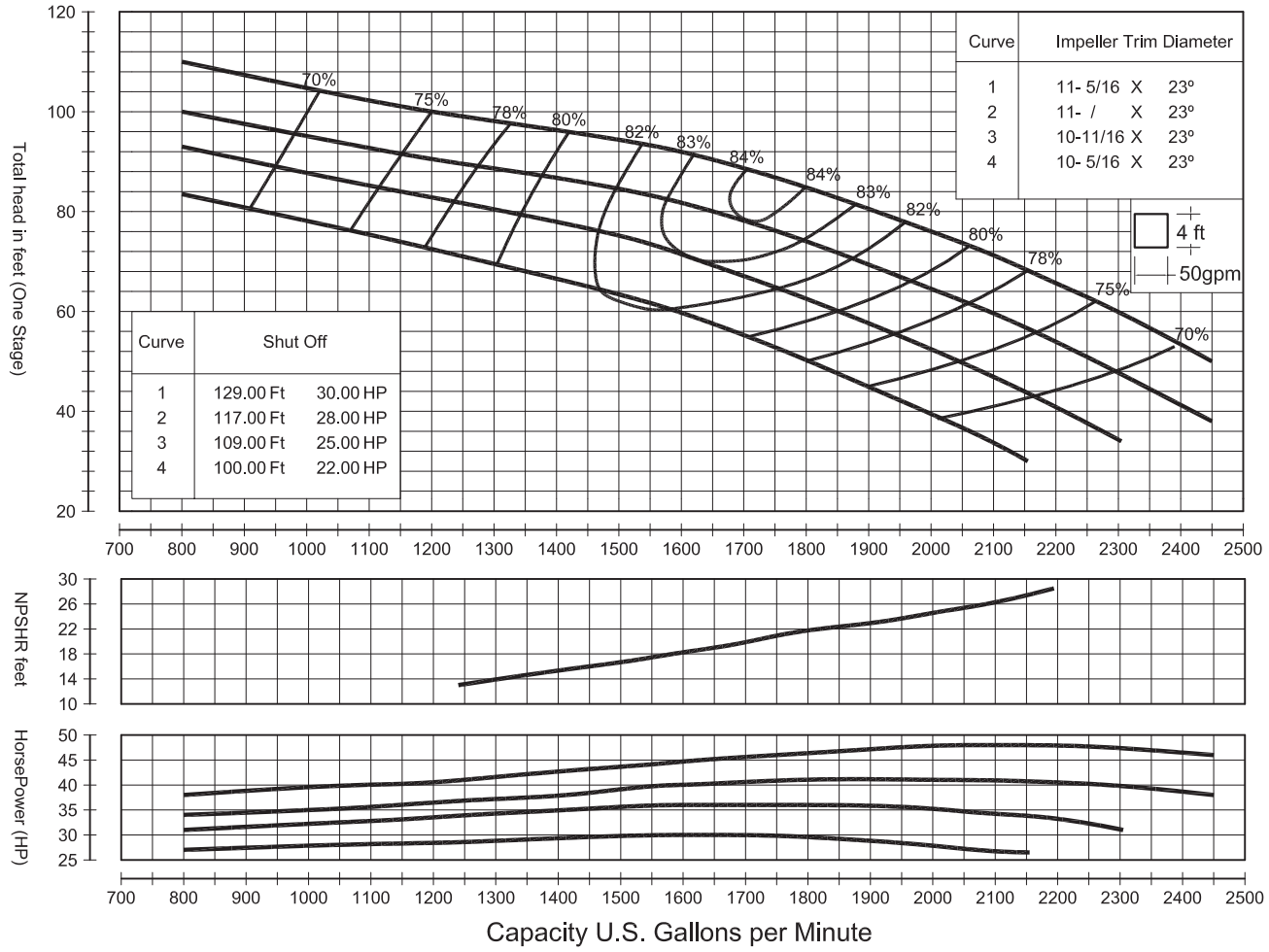


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14LH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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. Mtl's	- 0.00

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

* Std. Construction: Discharge 10"

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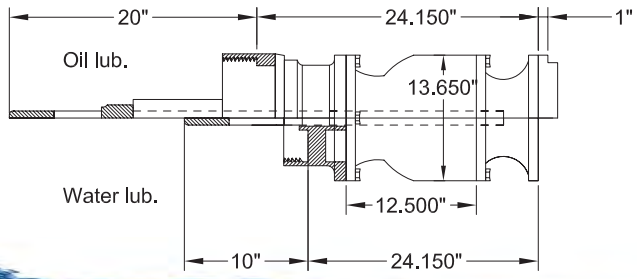
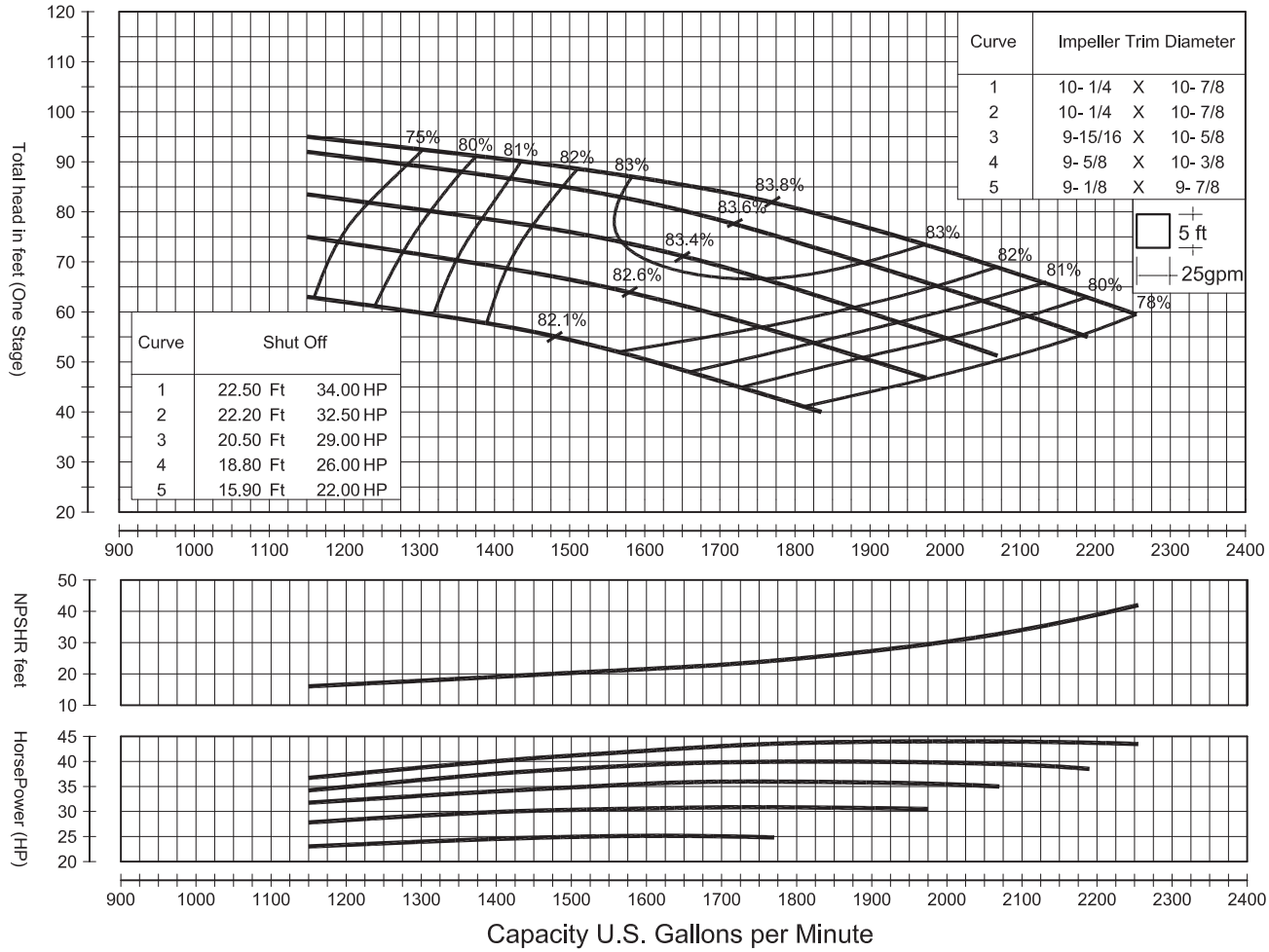


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14ML
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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

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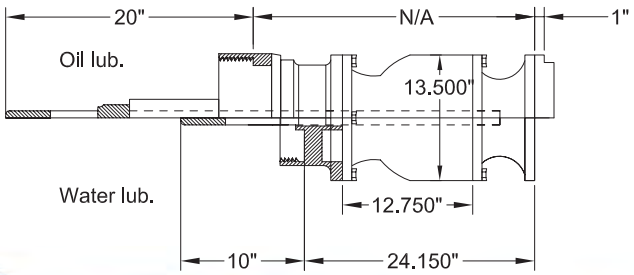
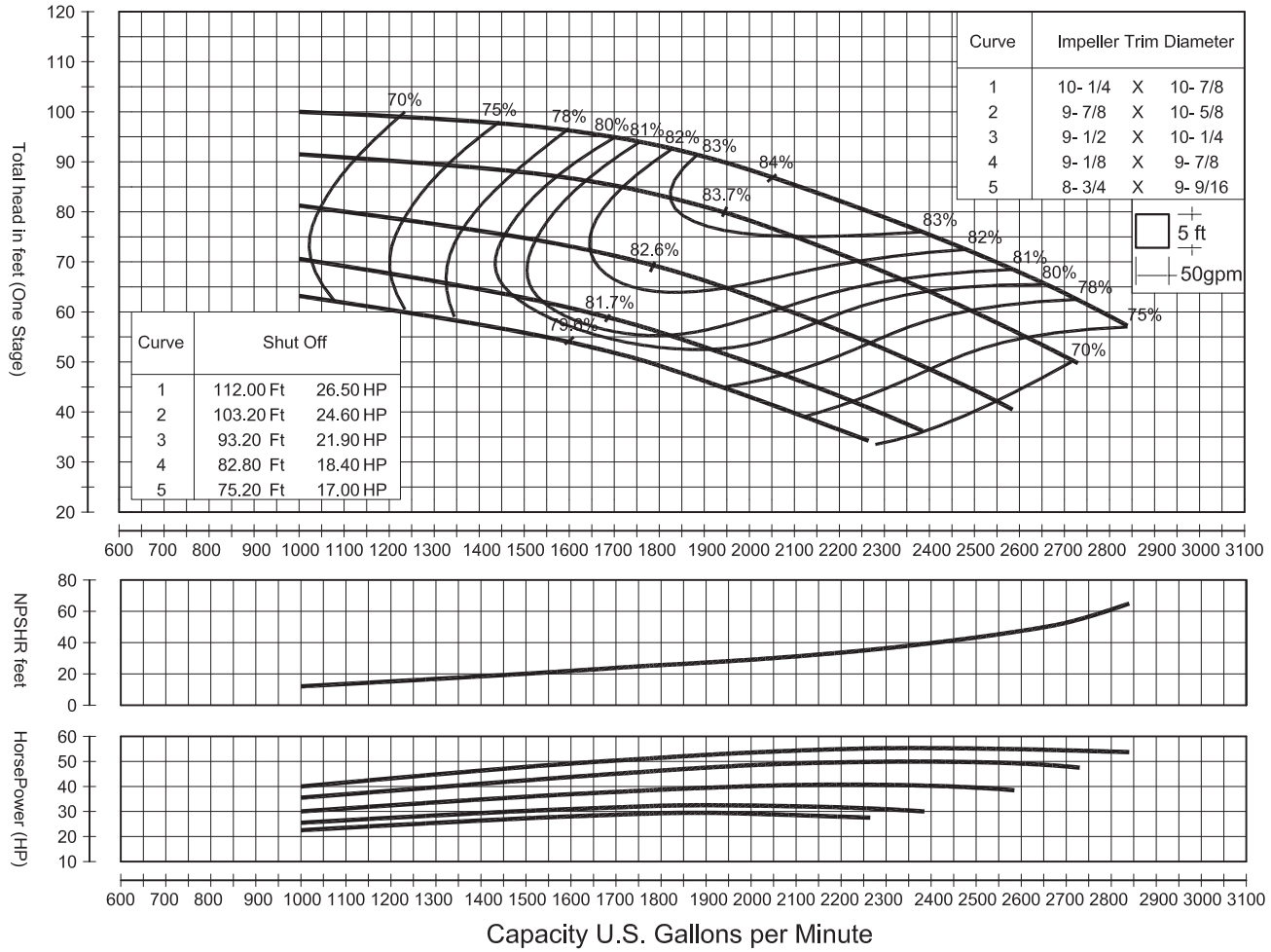


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



Curve	Shut Off	
1	112.00 Ft	26.50 HP
2	103.20 Ft	24.60 HP
3	93.20 Ft	21.90 HP
4	82.80 Ft	18.40 HP
5	75.20 Ft	17.00 HP

Curve	Impeller Trim Diameter
1	10- 1/4 X 10- 7/8
2	9- 7/8 X 10- 5/8
3	9- 1/2 X 10- 1/4
4	9- 1/8 X 9- 7/8
5	8- 3/4 X 9- 9/16

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

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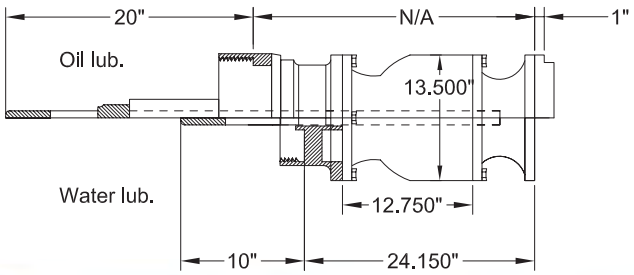
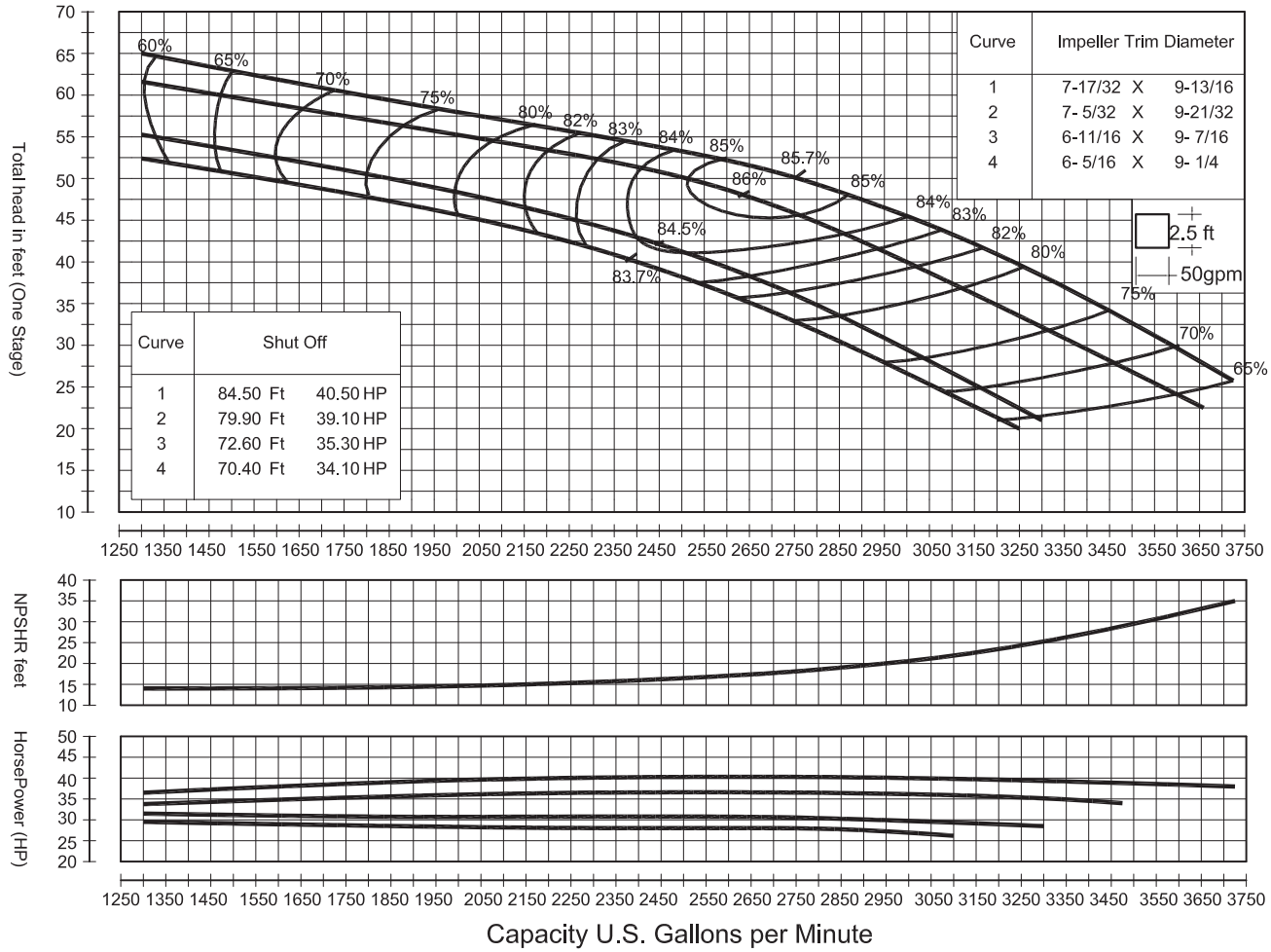


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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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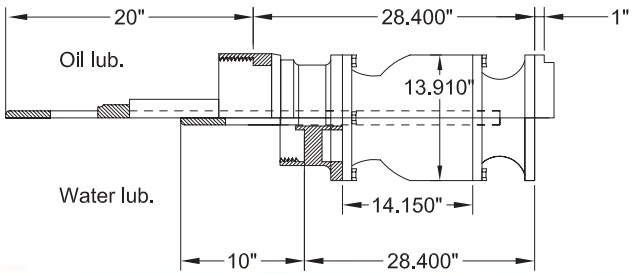
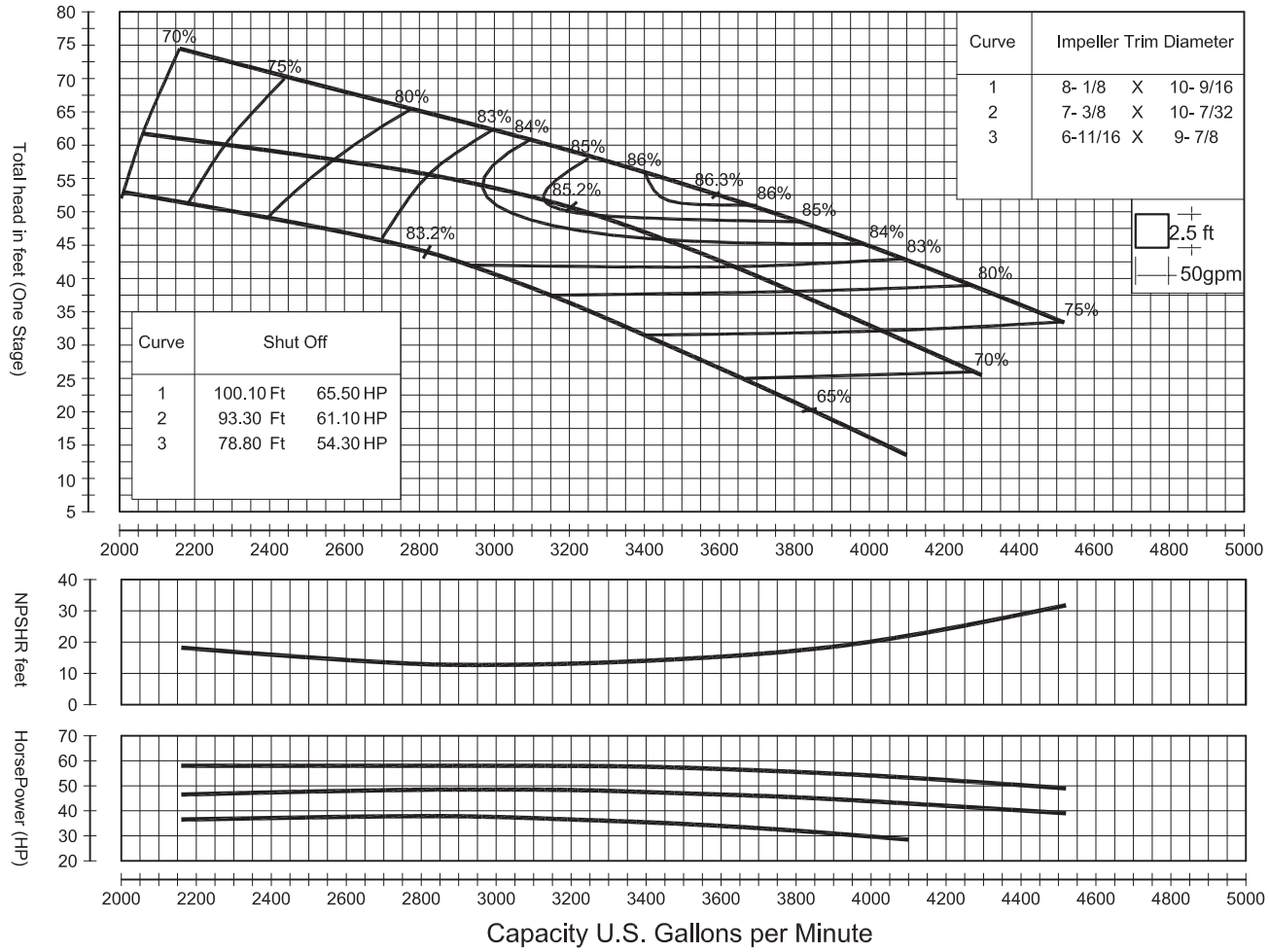


CONTRACTOR:	**GPM TDH HP EFFIC.**	MODEL	NPP14HH
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:	**PROJECT:**	RPM	1760



Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455
Max. Shaft Diameter	2.000"	One Stage WR ^{2} LB-FT ^{2}	3.278
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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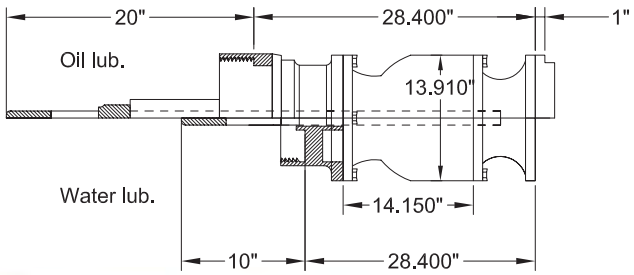
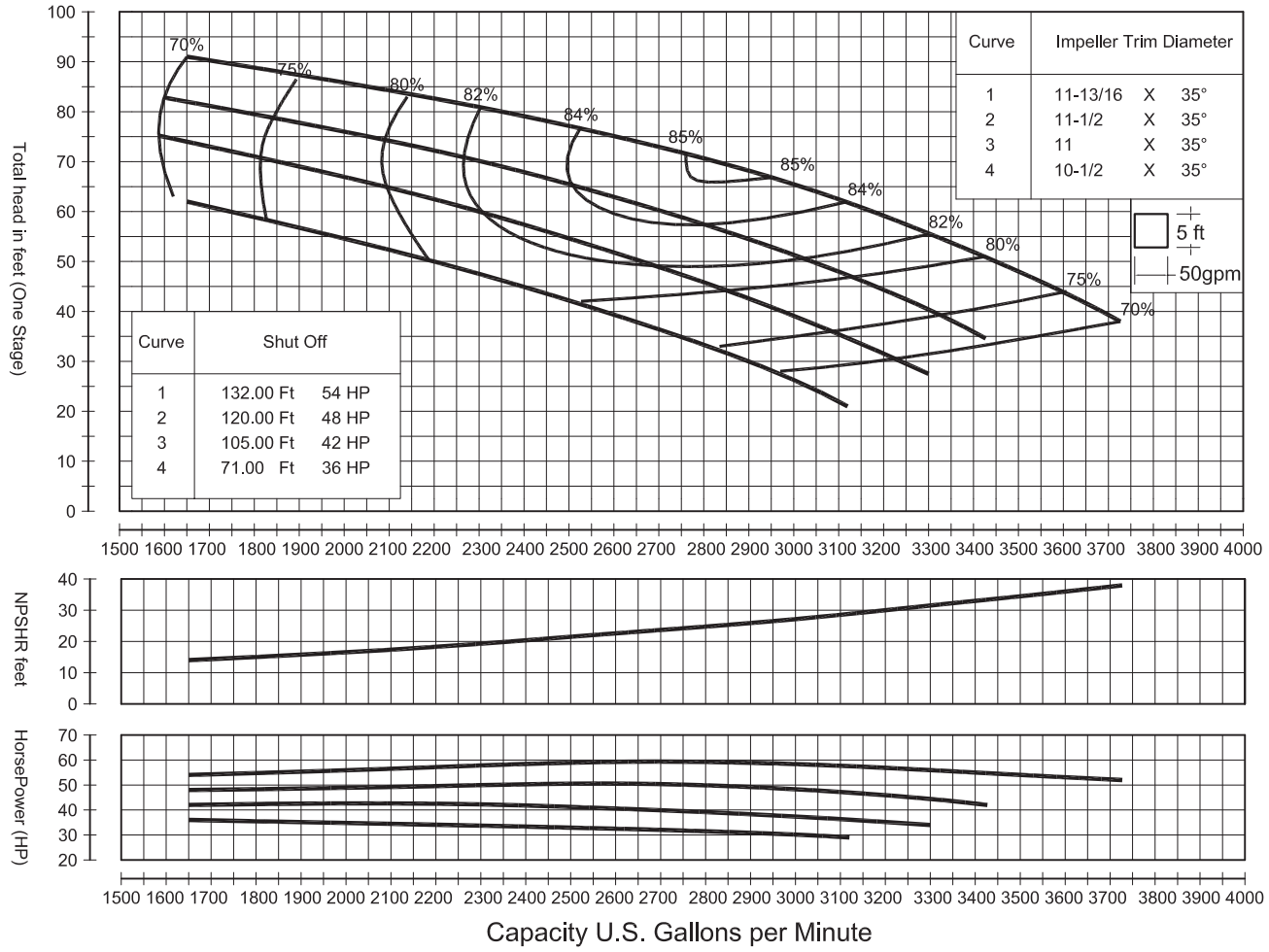


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14YH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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. Mtl'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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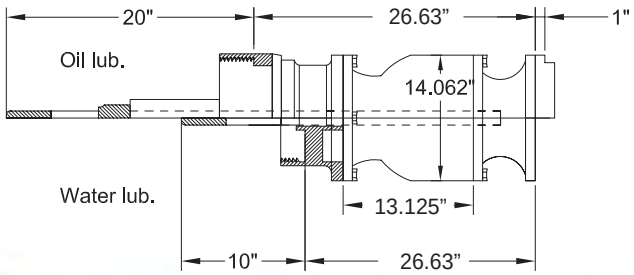
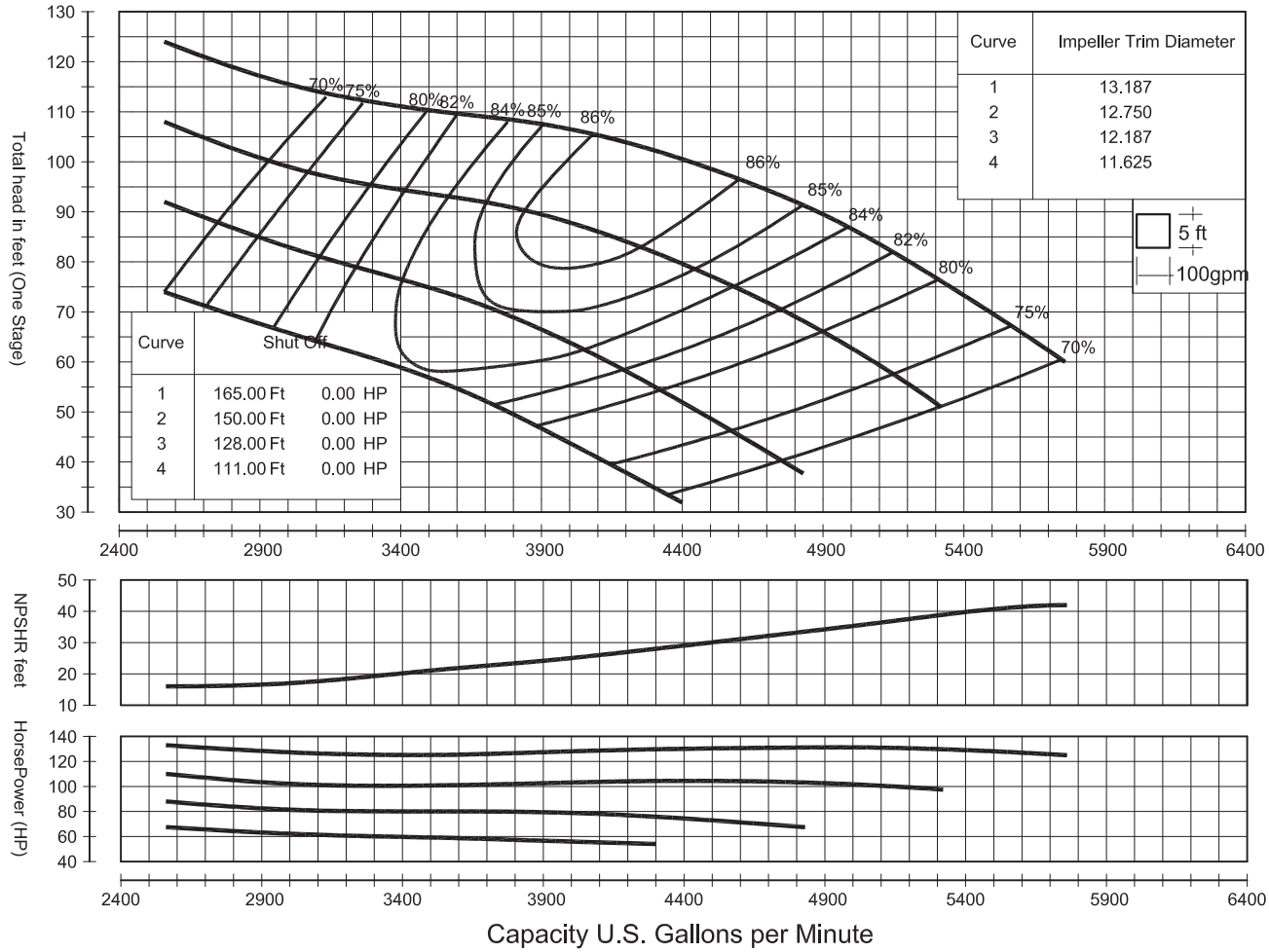


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP16MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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.

* Std. Construction: Discharge 12"

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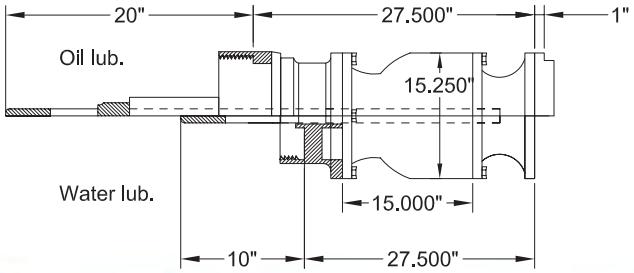
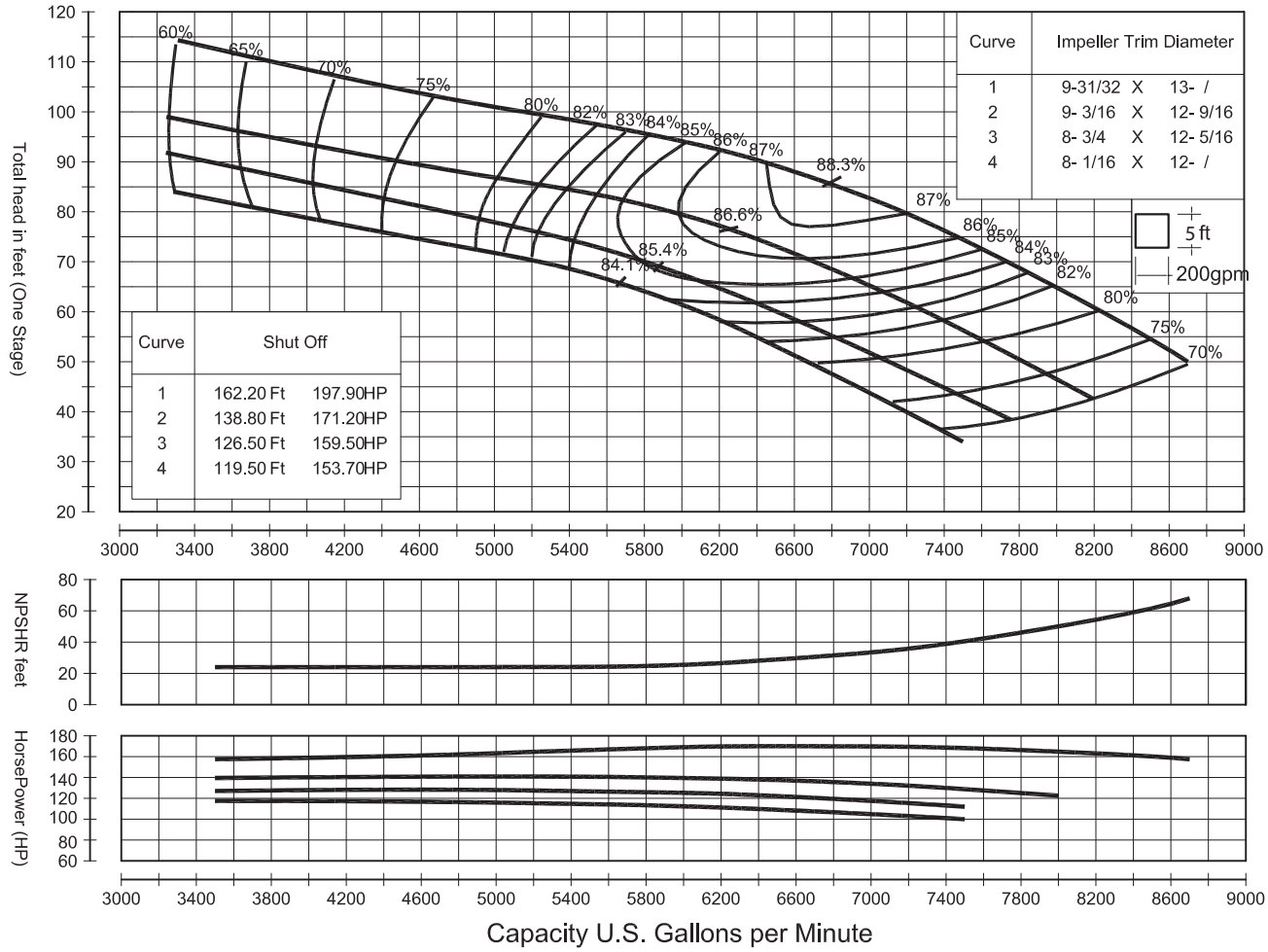


CONTRACTOR:	**GPM TDH HP EFFIC.**		MODEL NPP18HL
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:	**PROJECT:**		RPM 1760



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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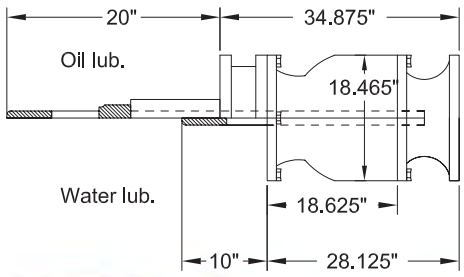
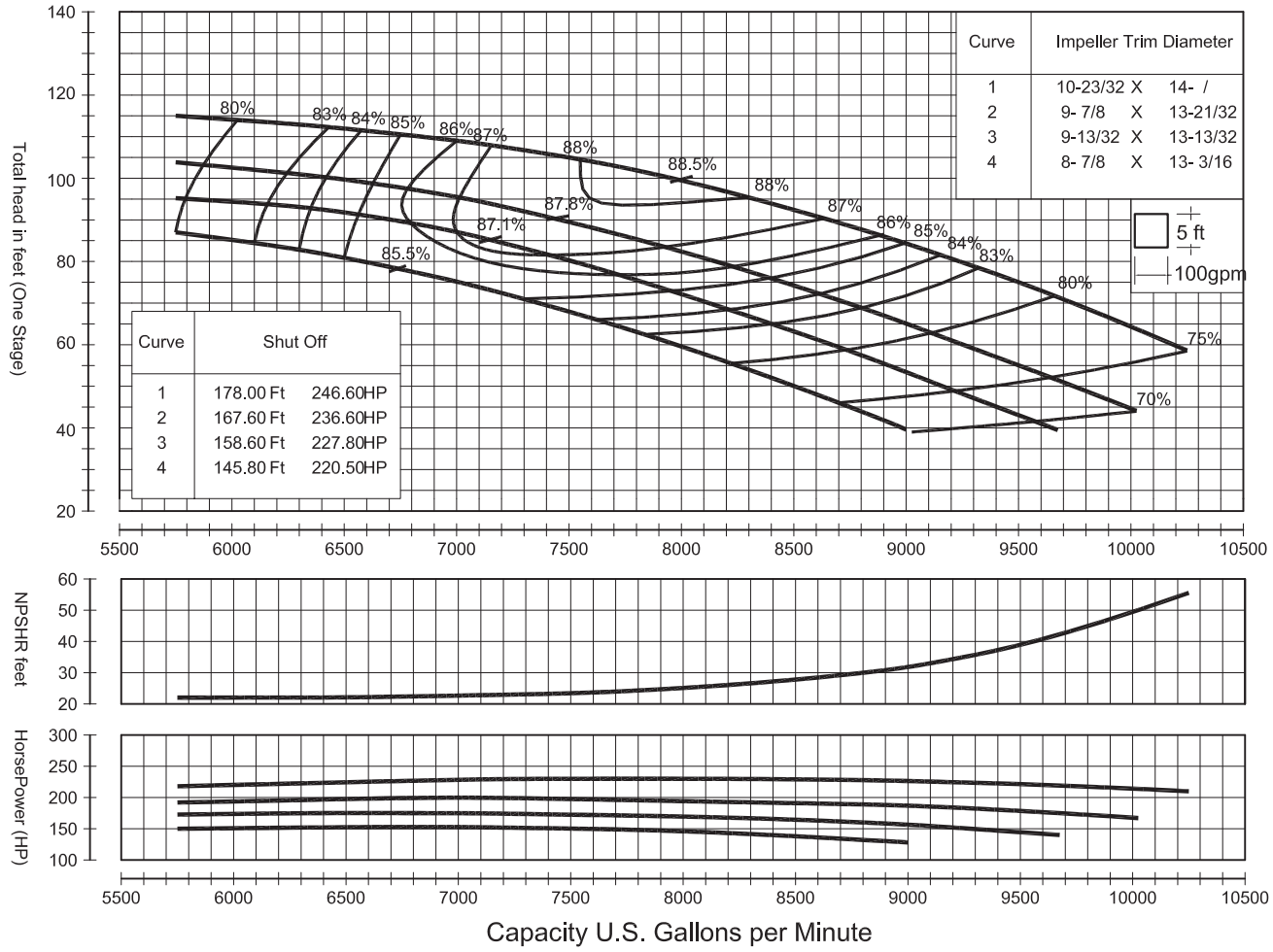


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP18HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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.	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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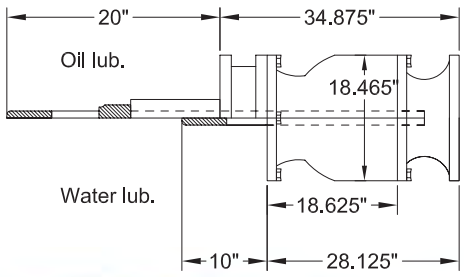
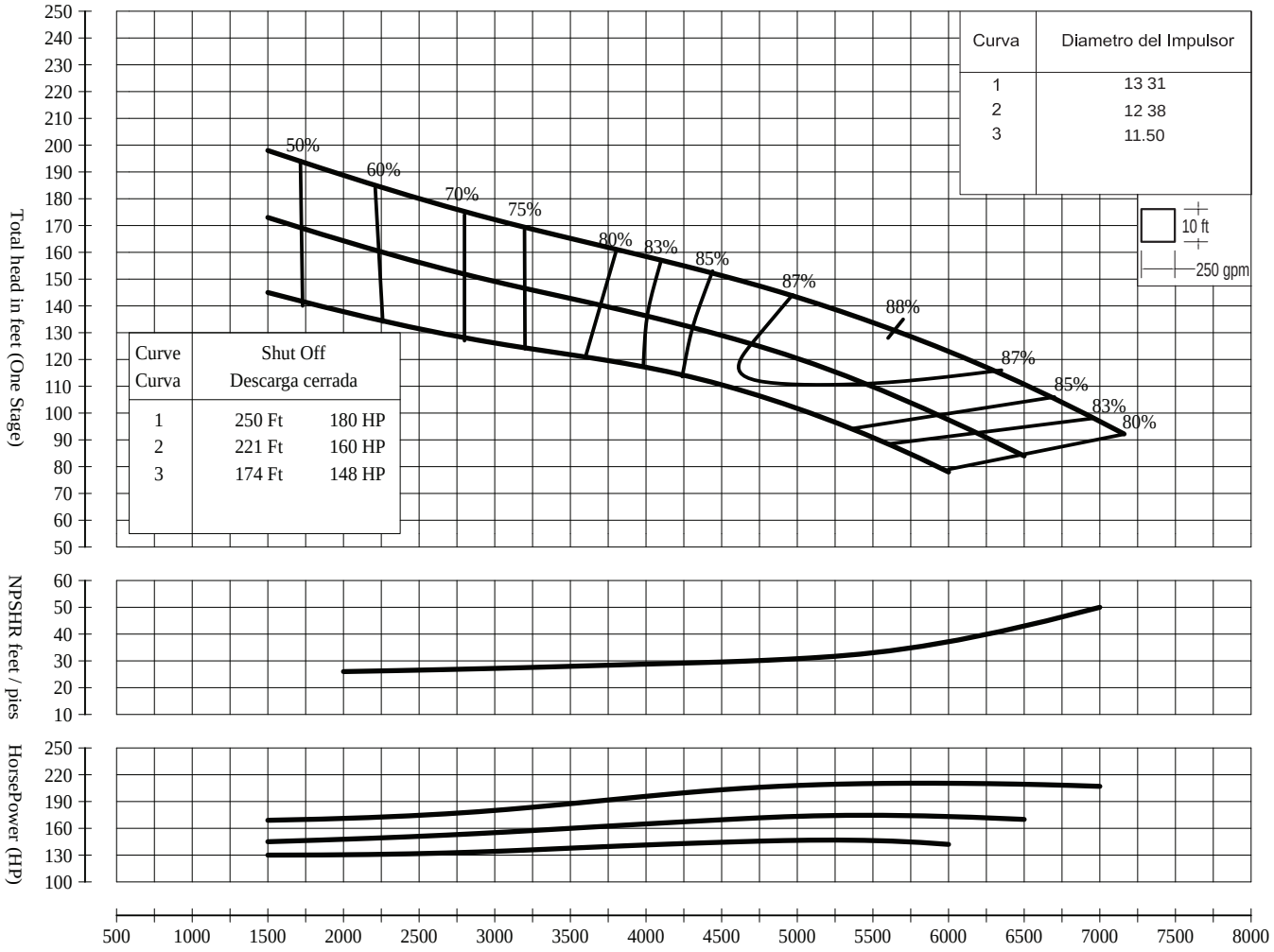


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP20HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1760



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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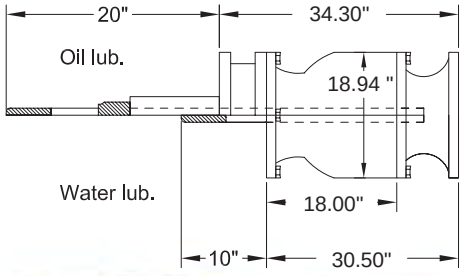
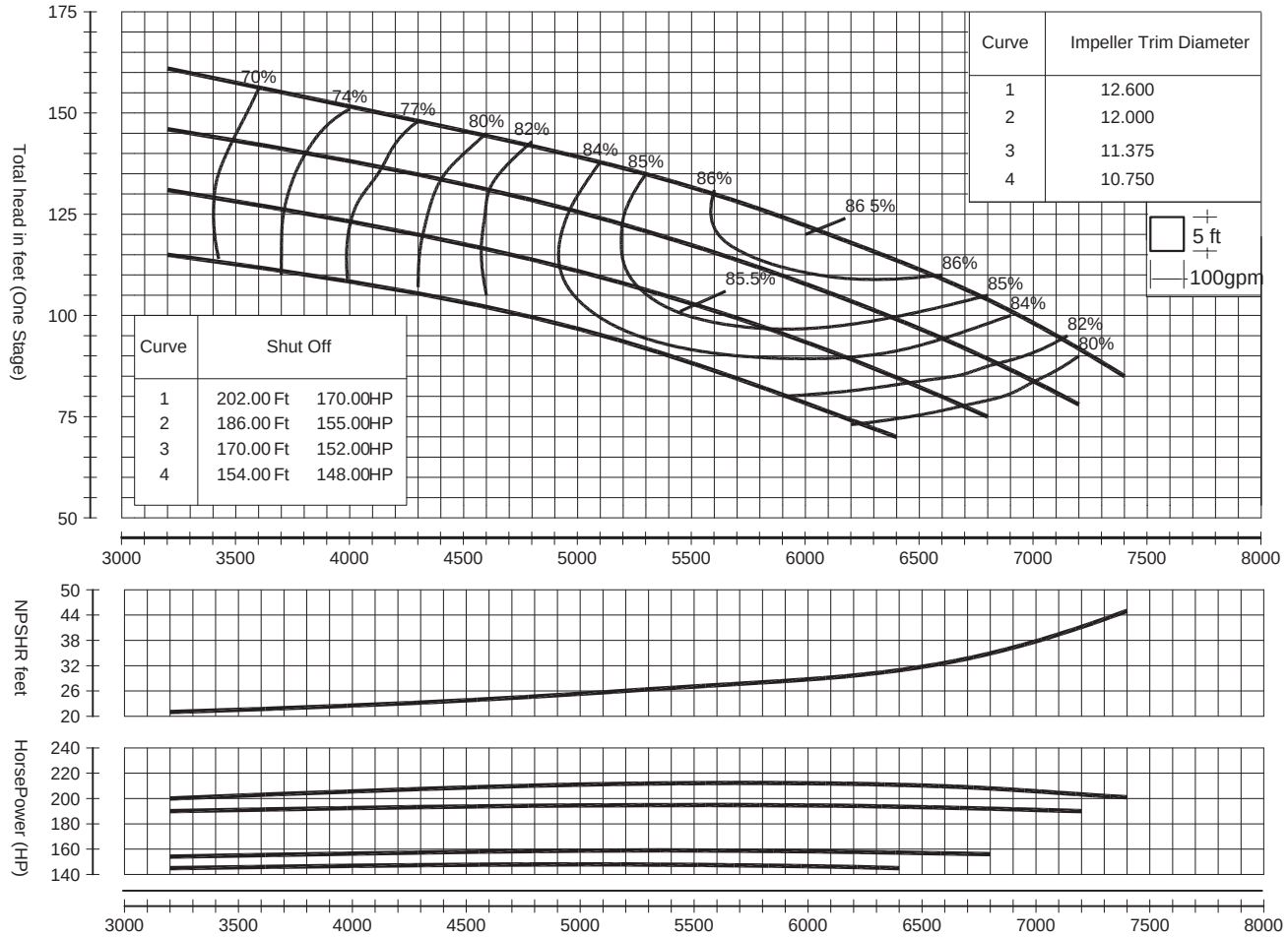


CONTRACTOR:	**GPM TDH HP EFFIC.**		MODEL NPP19HH
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:	**PROJECT:**		RPM 1760



Std. Shaft Diameter	2.250"	Impeller WT- LB	54.00
Max. Shaft Diameter	3.000"	One Stage WR ^{2} LB-FT ^{2}	15.00
Opt. Lateral Setting	0.250"	Impeller Type	ENCLOSED
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

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

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

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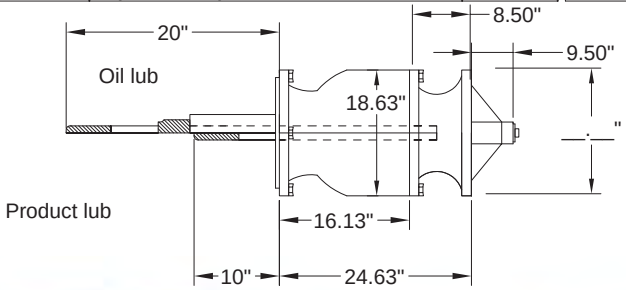
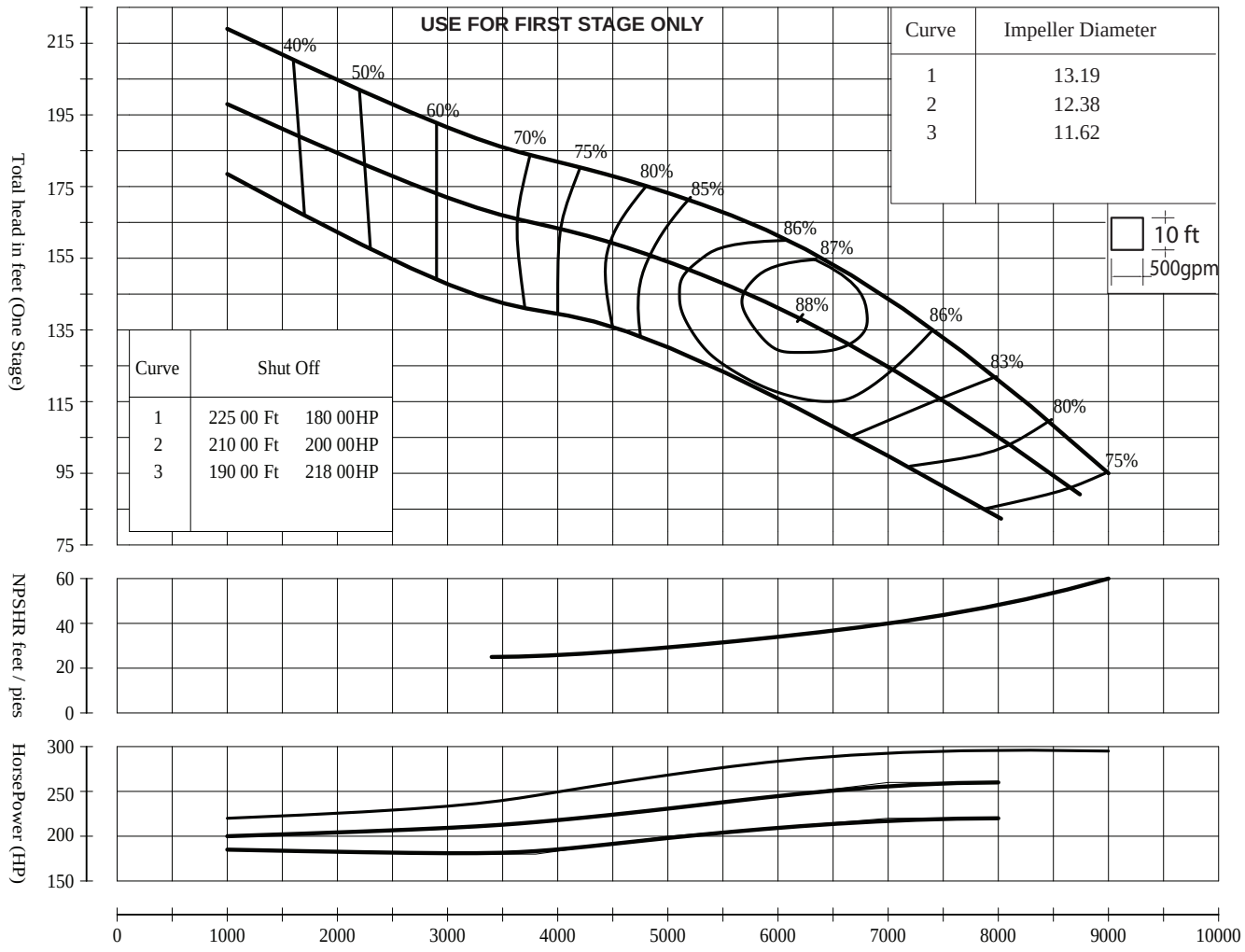


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP20HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1770



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	
2	
3	
Based Std. Mtl's	

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

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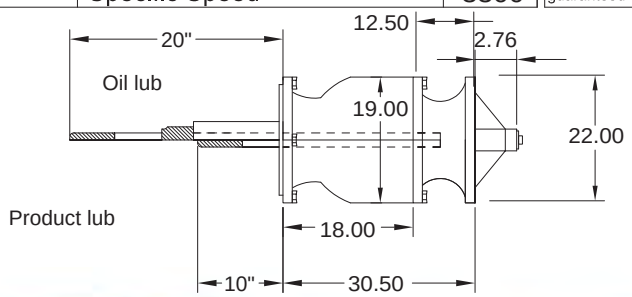
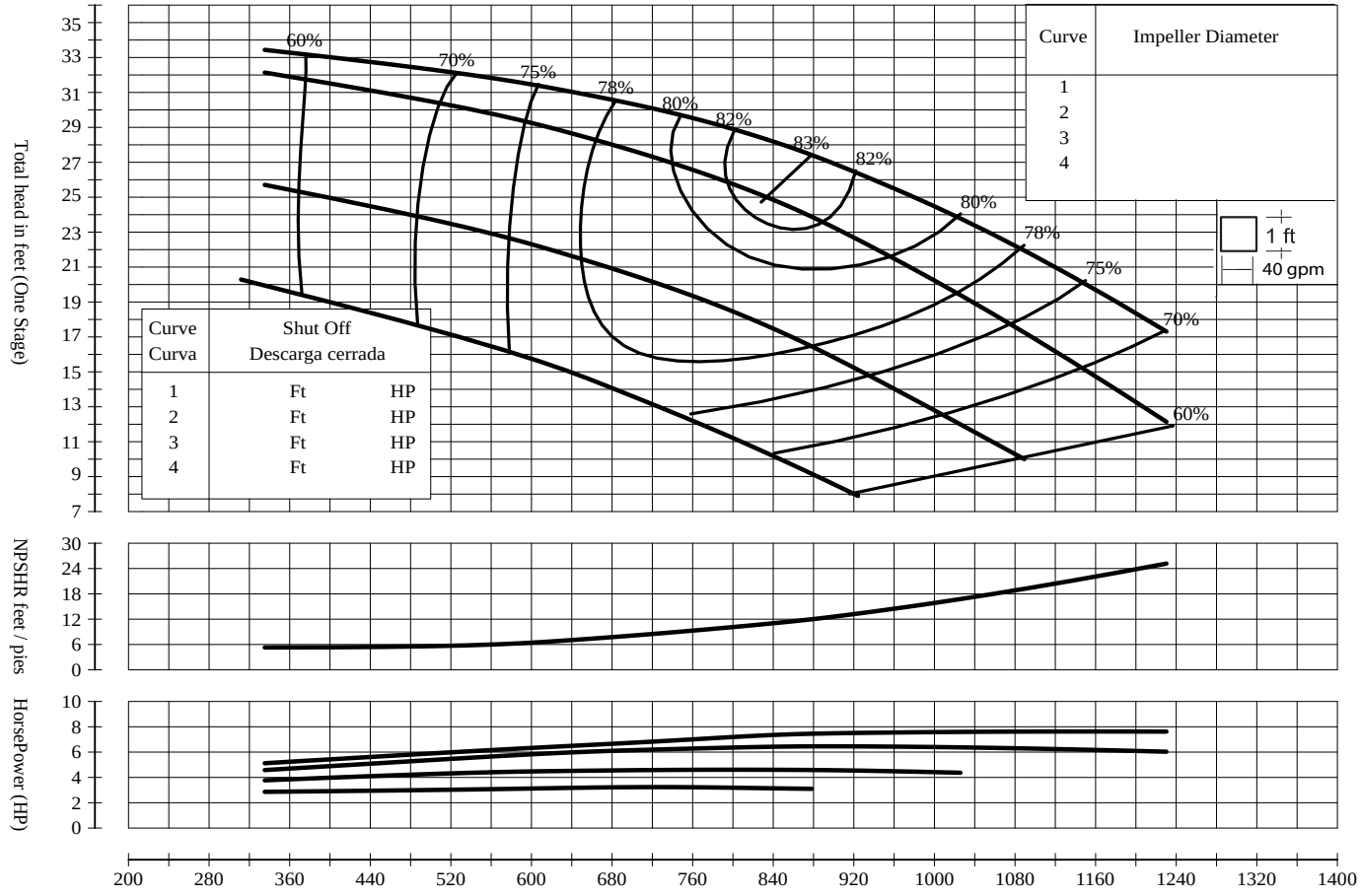


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP12MH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1180



Std. Shaft Diameter	1.500"	Impeller WT- LB	13.228
Max. Shaft Diameter	1.688"	One Stage WR ^{2} LB-FT ^{2}	1.306
Std. Lateral Setting	.189"	Impeller Type	ENCLOSED
Max. Lateral Setting	.916"	Impeller No.	TCM1436
Discharge Sizes	8",10"	Max. Sphere Size	.813"
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

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: Discharge 8"

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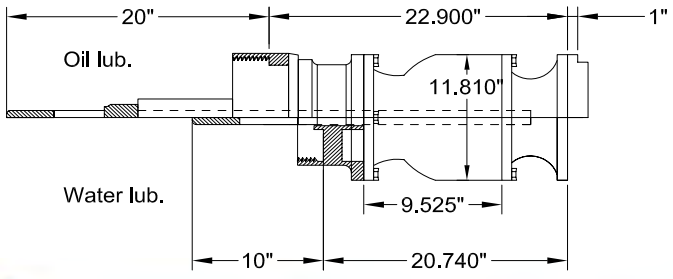
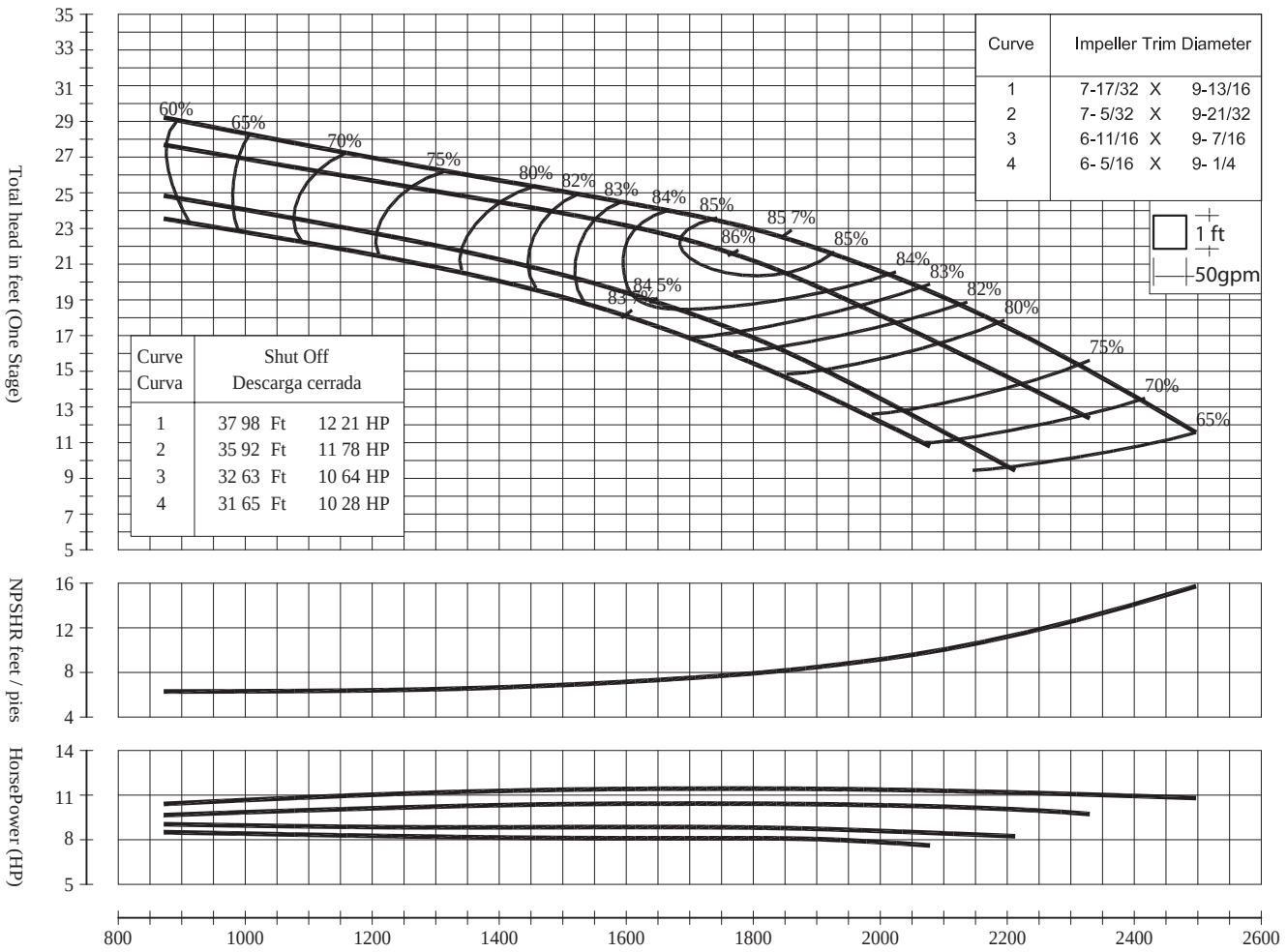


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP14HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1180



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

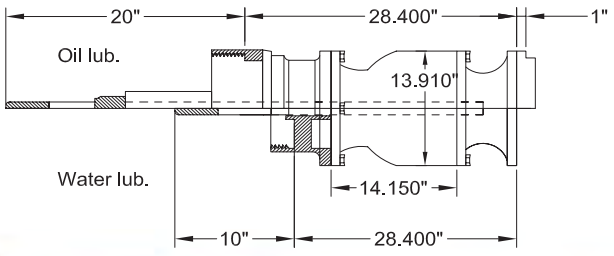
Std. Shaft Diameter	1.938"	Impeller WT- LB	26.455
Max. Shaft Diameter	2.000"	One Stage WR ^{2} LB-FT ^{2}	3.125
Std. Lateral Setting	.250"	Impeller Type	ENCLOSED
Max. Lateral Setting	.813"	Impeller No.	TCH1417
Discharge Sizes	10",12"	Max. Sphere Size	.688"
Suction Sizes	10"	K-Factor, Max.	23
One Stage 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

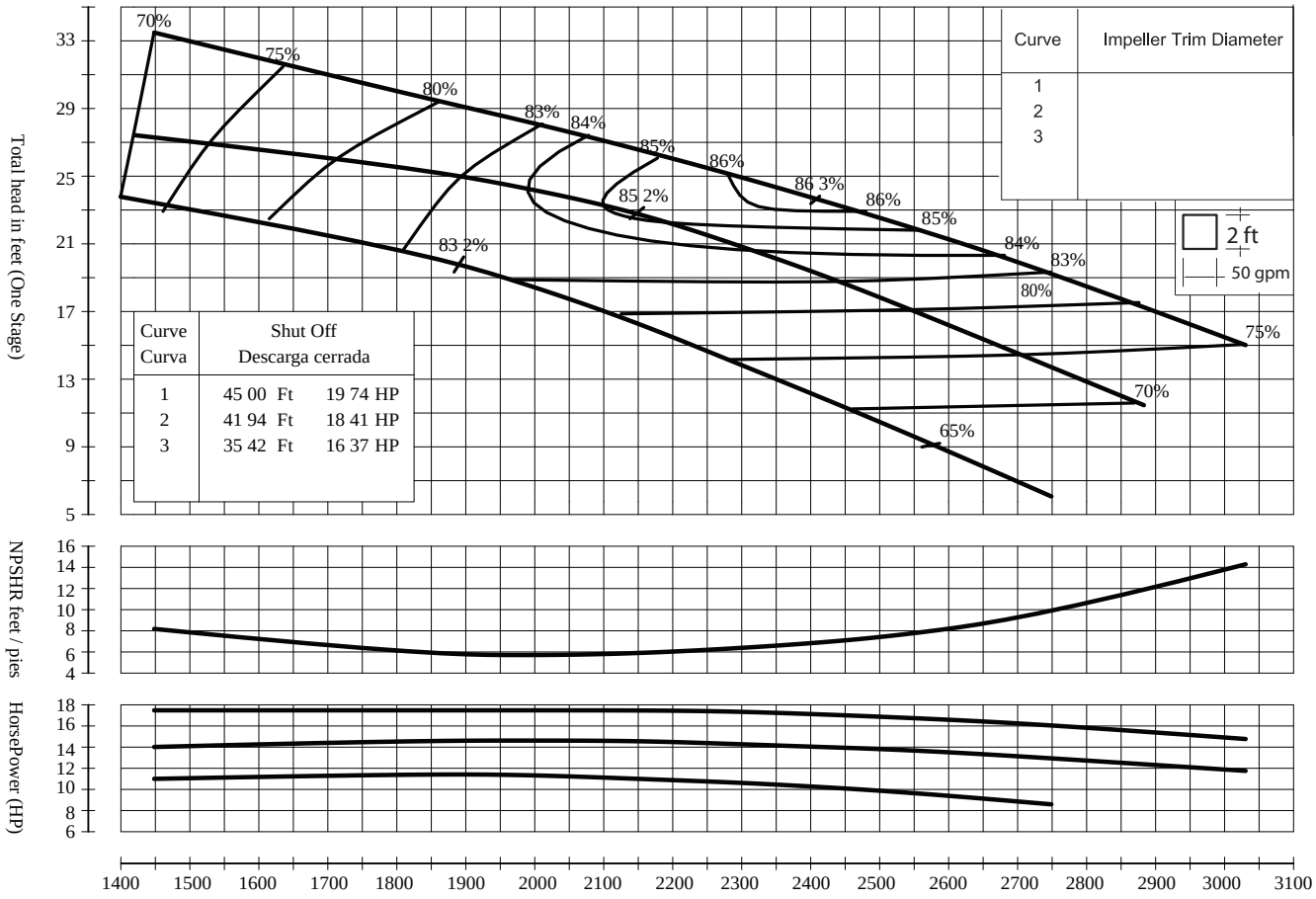
Characteristics based upon pumpig clear, non-aerated water. Rating point only is guaranteed. Column losses not included.

* Std. Construction: Discl arge 12"

pumpandpond.com



CONTRACTOR:	**GPM TDH HP EFFIC.**	MODEL	NPP14HH
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
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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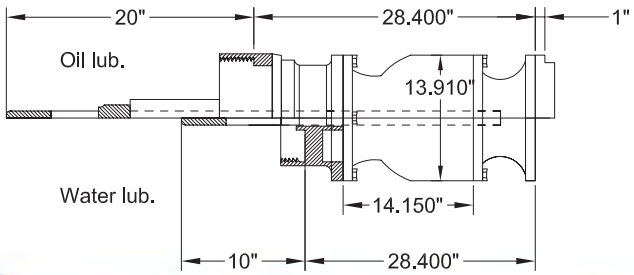
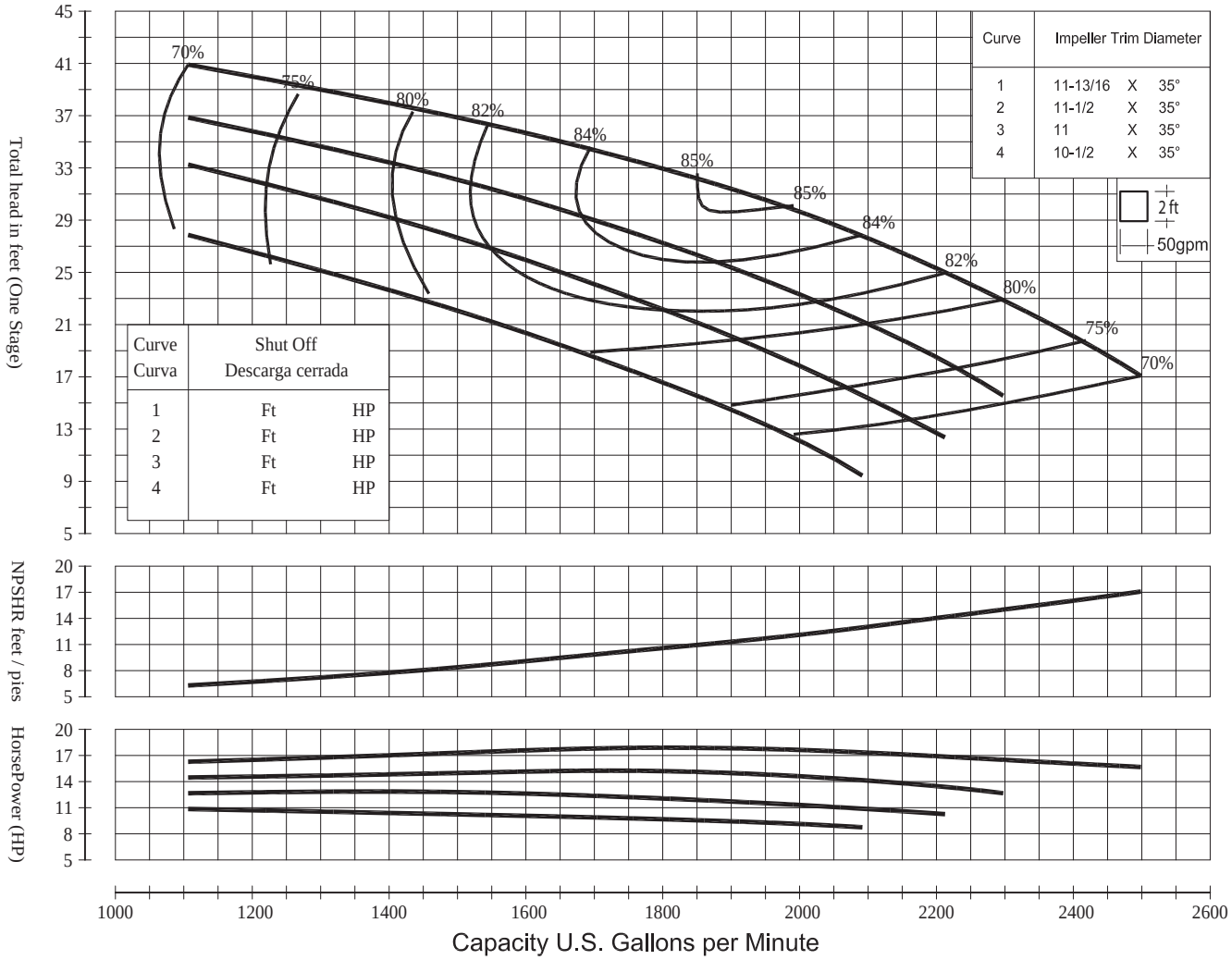


CONTRACTOR:	**GPM TDH HP EFFIC.**	MODEL	NPP14YH
ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:	**PROJECT:**	RPM	1180



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

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. Mtl'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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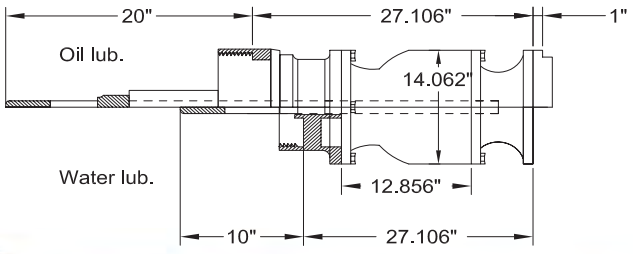
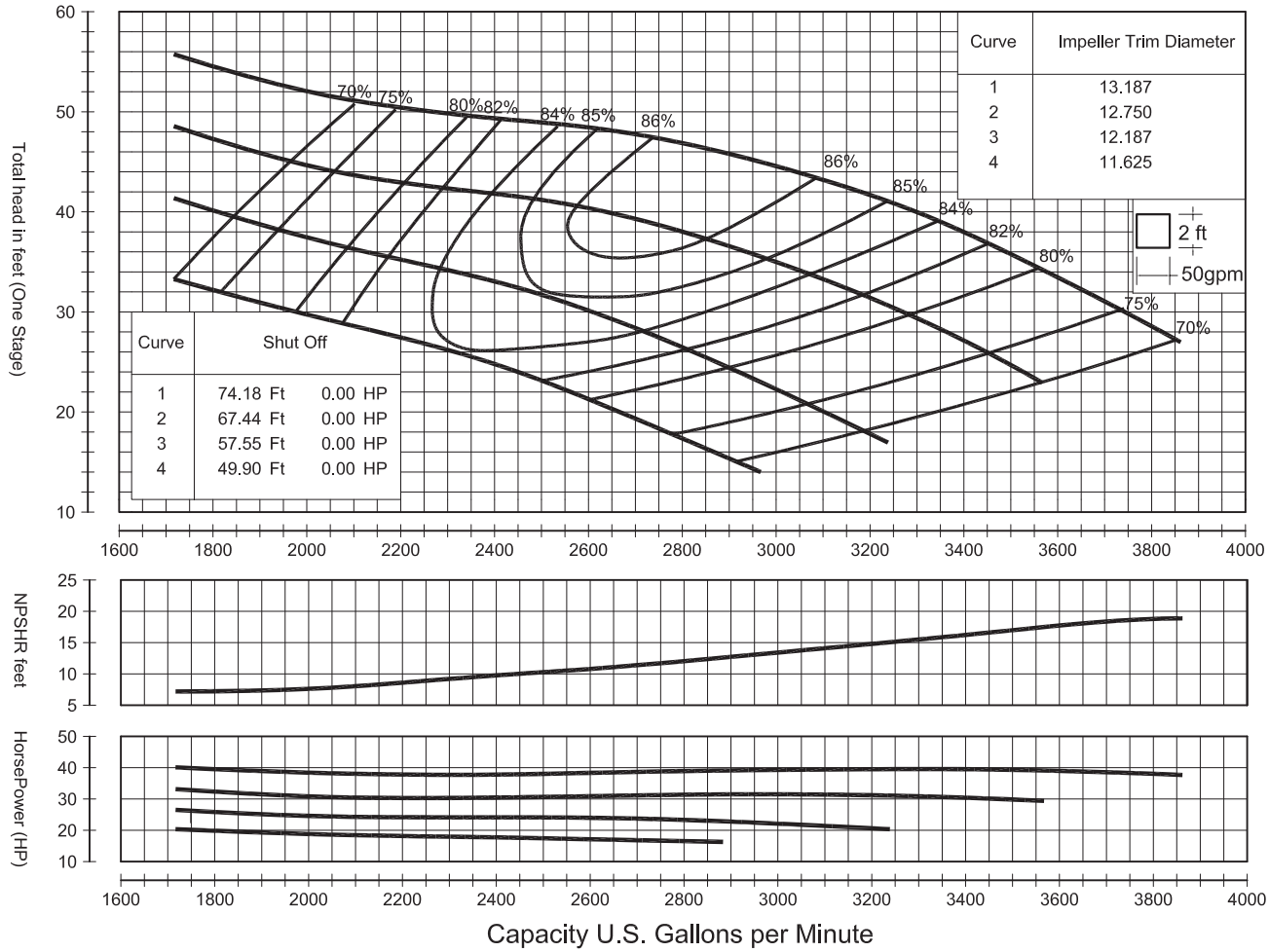


CONTRACTOR:	GPM TDH HP EFFIC.	MODEL
ENGINEER:	SERVICE CONDITION: / STAGES	NPP16MH
END USER:	PROJECT:	RPM 1185



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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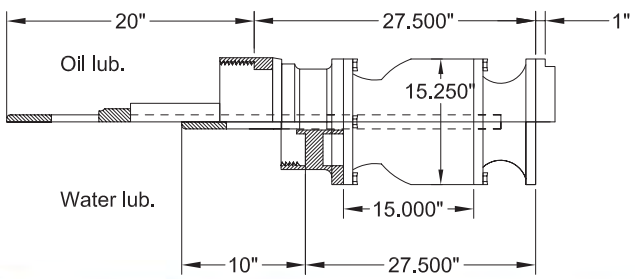
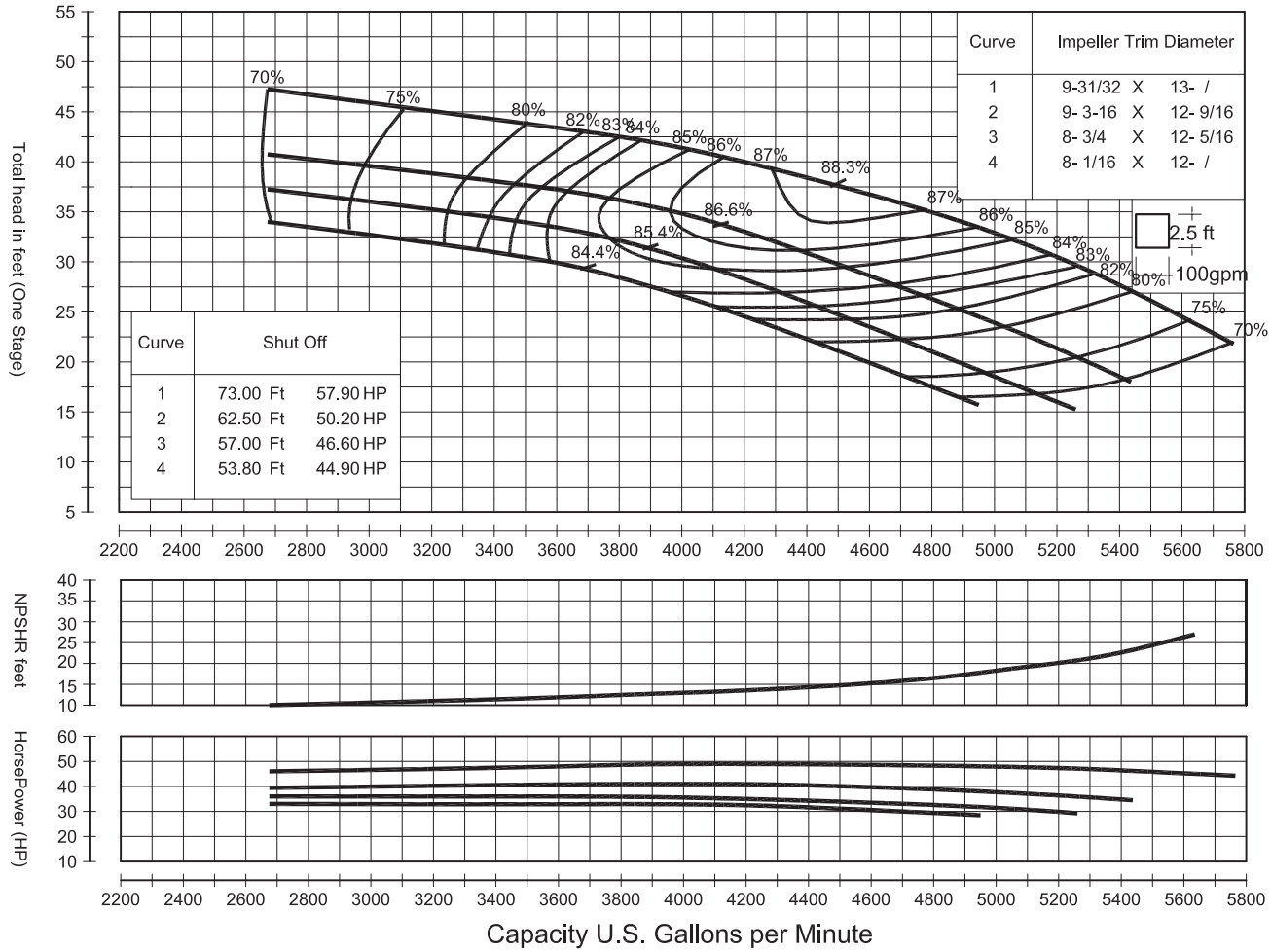


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP18HL
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1185

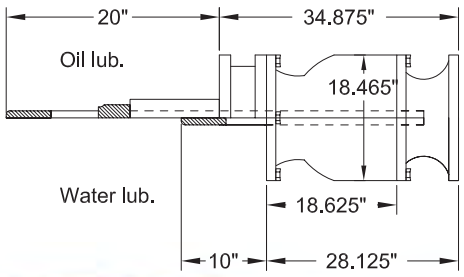


Std. Shaft Diameter	1.938"	Impeller WT- LB	63.93
Max. Shaft Diameter	2.688"	One Stage WR ^{2} LB-FT ^{2}	13.194
Std. Lateral Setting	.062"	Impeller Type	ENCLOSED
Max. Lateral Setting	.500"	Impeller No.	TCH1419
Discharge Sizes	F	Max. Sphere Size	.875"
Suction Sizes	N/A	K-Factor, Max.	40
One Stage Subm. 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

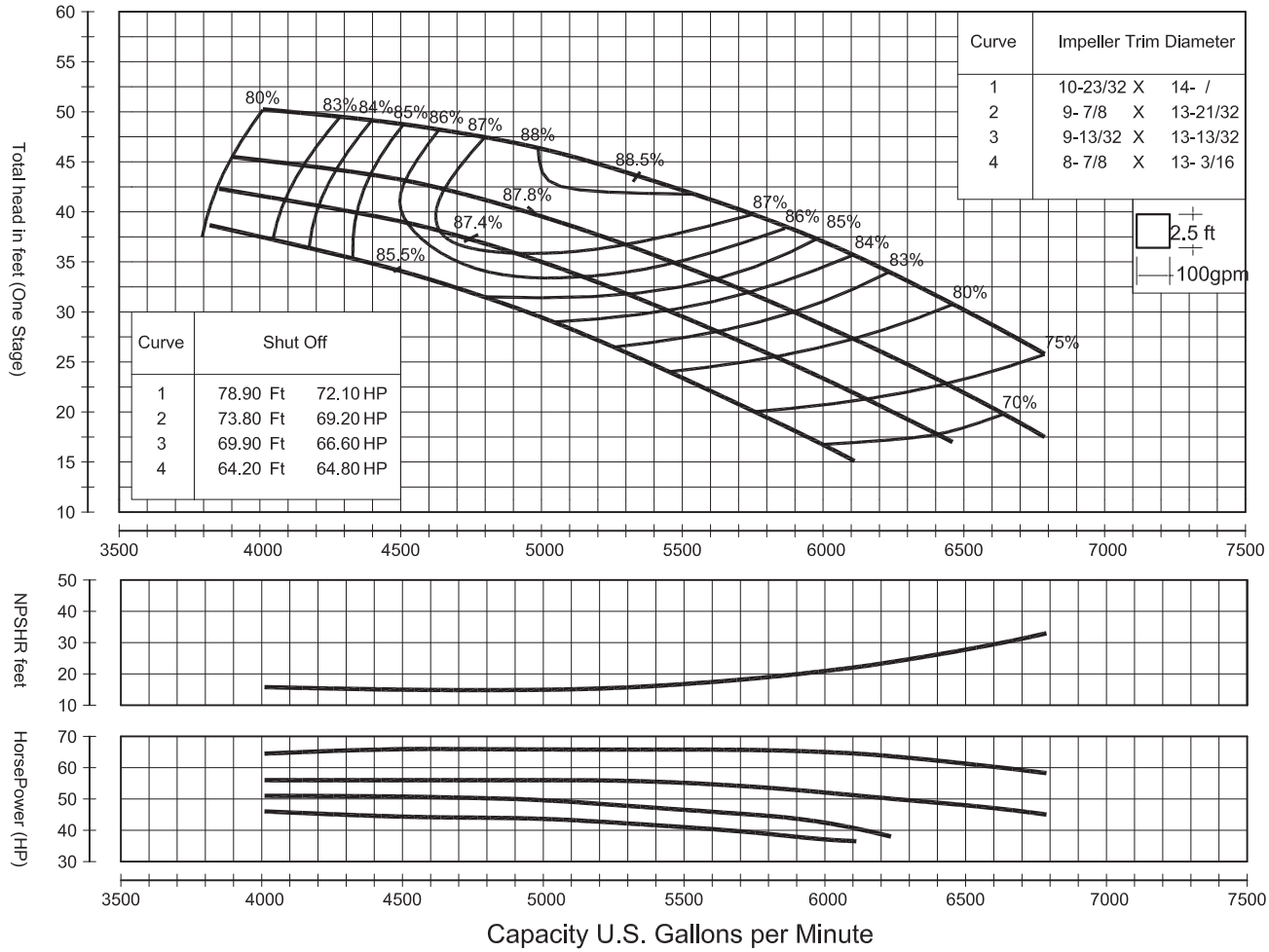
Stages	Efficiency Correction
1	- 0.50
Based Std. Mtl's	- 4.00

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

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP18HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
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. 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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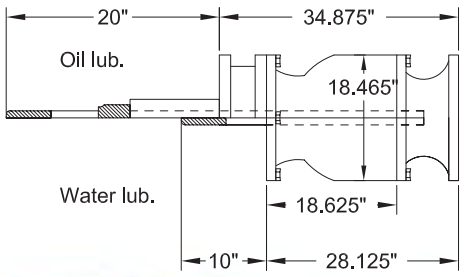
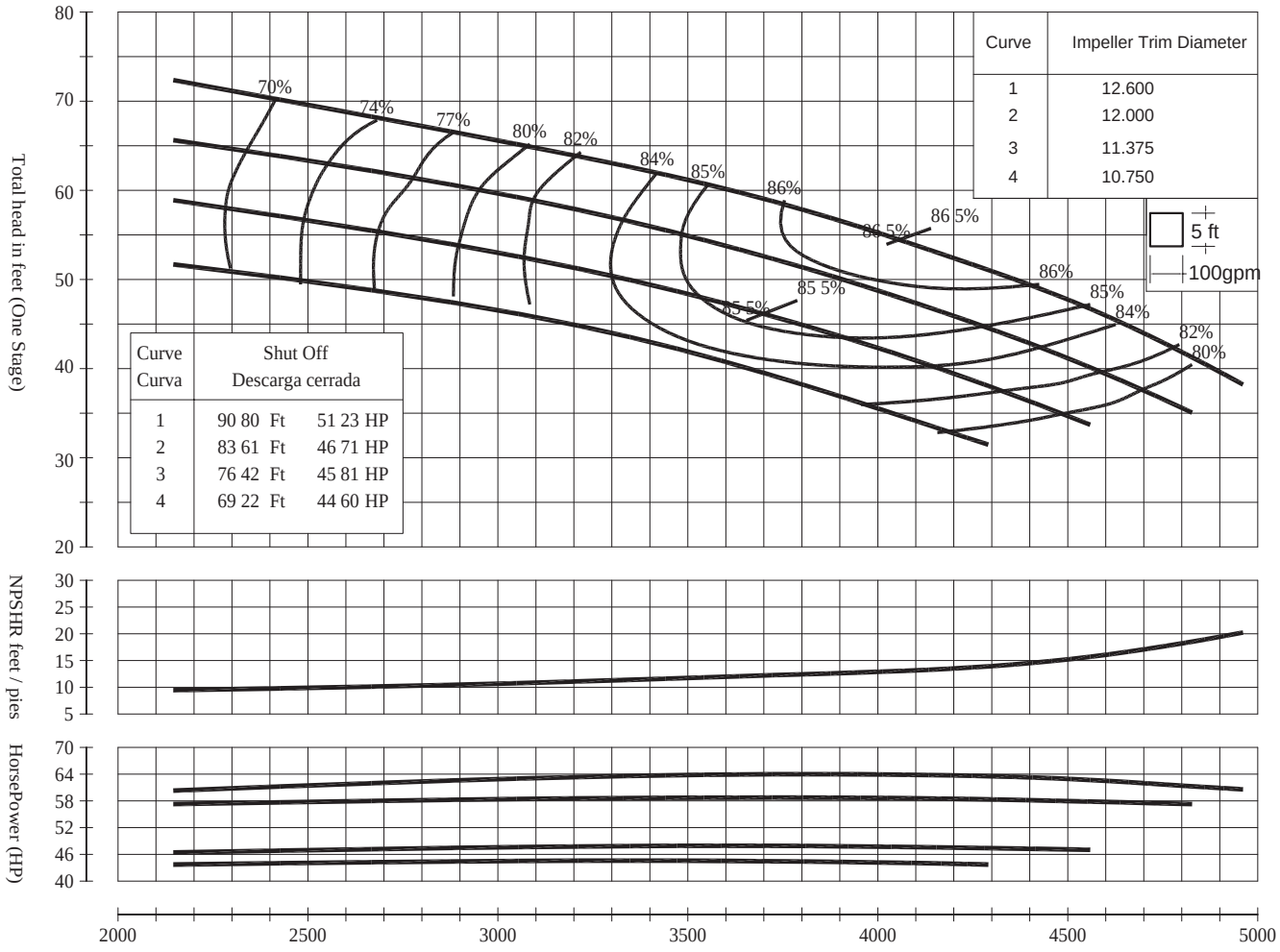


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP19HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1180



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

Std. Shaft Diameter	2.250"	Impeller WT- LB	54.00
Max. Shaft Diameter	3.000"	One Stage WR ^{2} LB-FT ^{2}	15.00
Opt. Lateral Setting	0.250"	Impeller Type	ENCLOSED
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

Stages	Efficiency Correction
1	- 1.00
Based Std. M l's	

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

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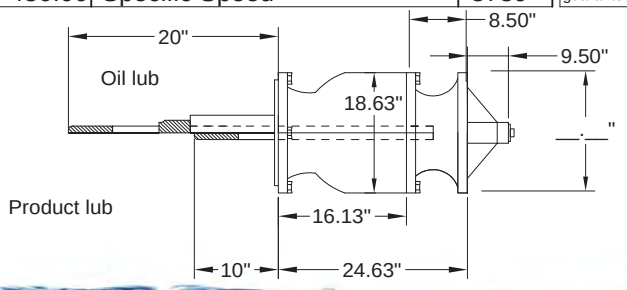
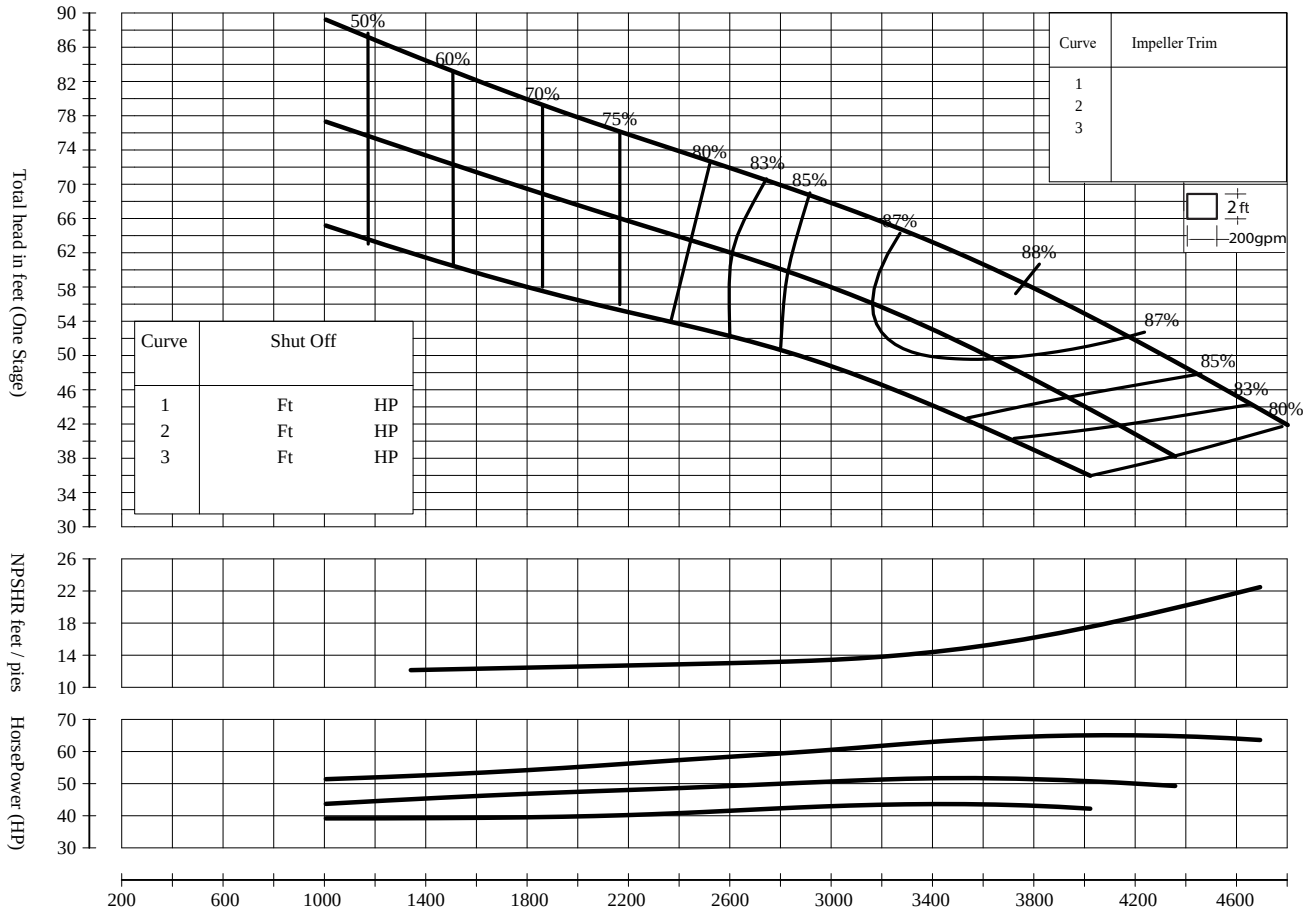


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**		MODEL NPP20HL
	ENGINEER:	**SERVICE CONDITION:**	**STAGES**	
END USER:		**PROJECT:**		RPM 1180



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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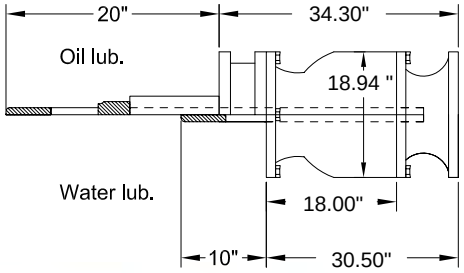
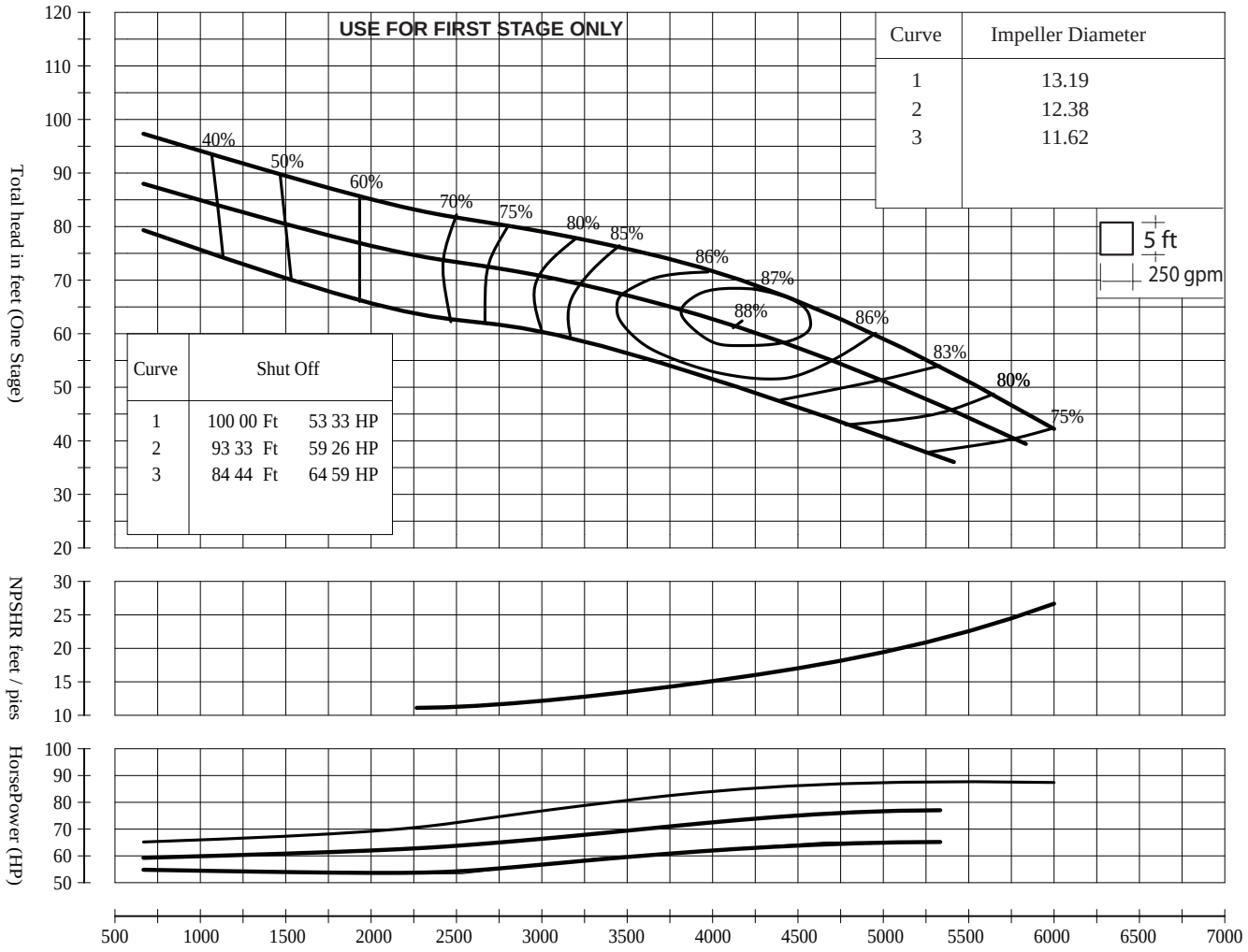


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP20HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
END USER:		**PROJECT:**	RPM 1180



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	
2	
3	
Based Std. Mtl's	

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

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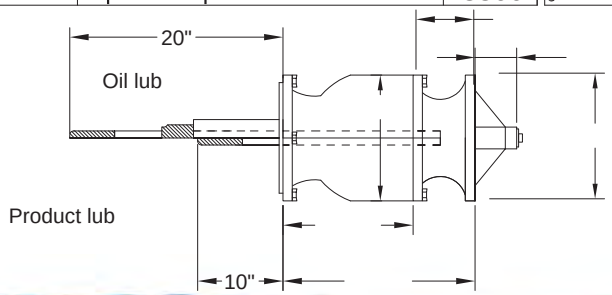
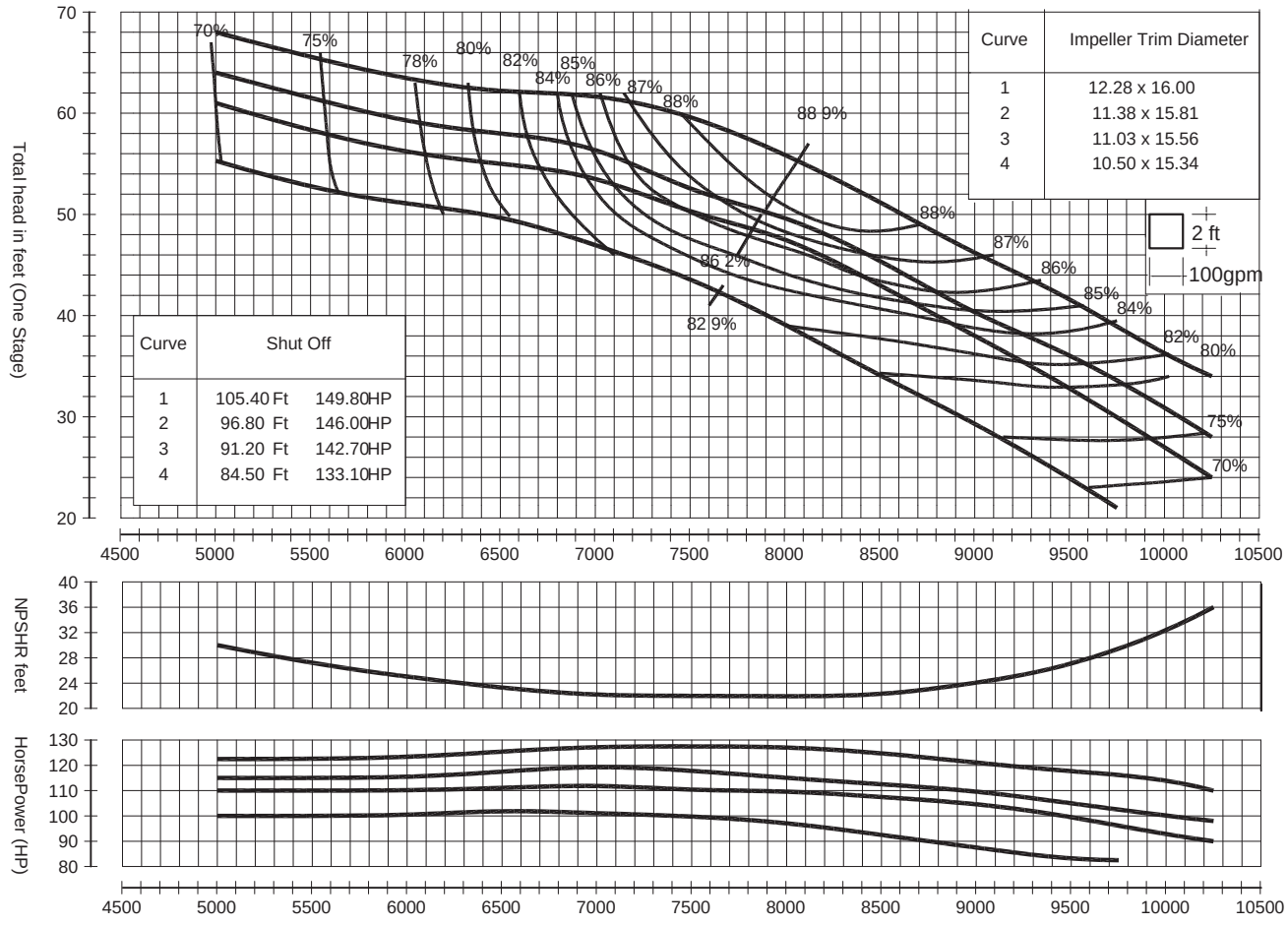


NP&P NASHVILLE PUMP & POND	**CONTRACTOR:**	**GPM TDH HP EFFIC.**	MODEL NPP24HH
	ENGINEER:	**SERVICE CONDITION:** / **STAGES**	
	END USER:	**PROJECT:**	RPM 1160



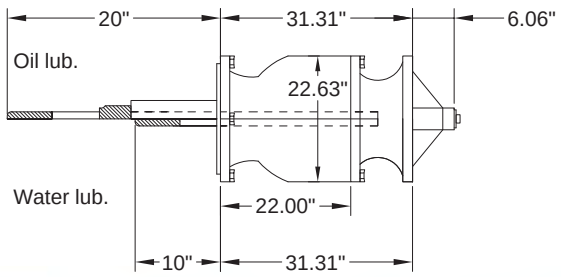
Std. Shaft Diameter	2.190"	Impeller WT- LB	190.00
Max. Shaft Diameter	2.500"	One Stage WR ^{2} LB-FT ^{2}	5250.0
Opt. Lateral Setting	.130"	Impeller Type	ENCLOSED
Max. Lateral Setting	.480"	Impeller No.	TCH1442
Discharge Sizes	18F	Max. Sphere Size	1.130
Suction Sizes	Bell	K-Factor, Max.	60.00
One Stage 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

Stages	Efficiency Correction
1	- 1.00
2	- 0.50

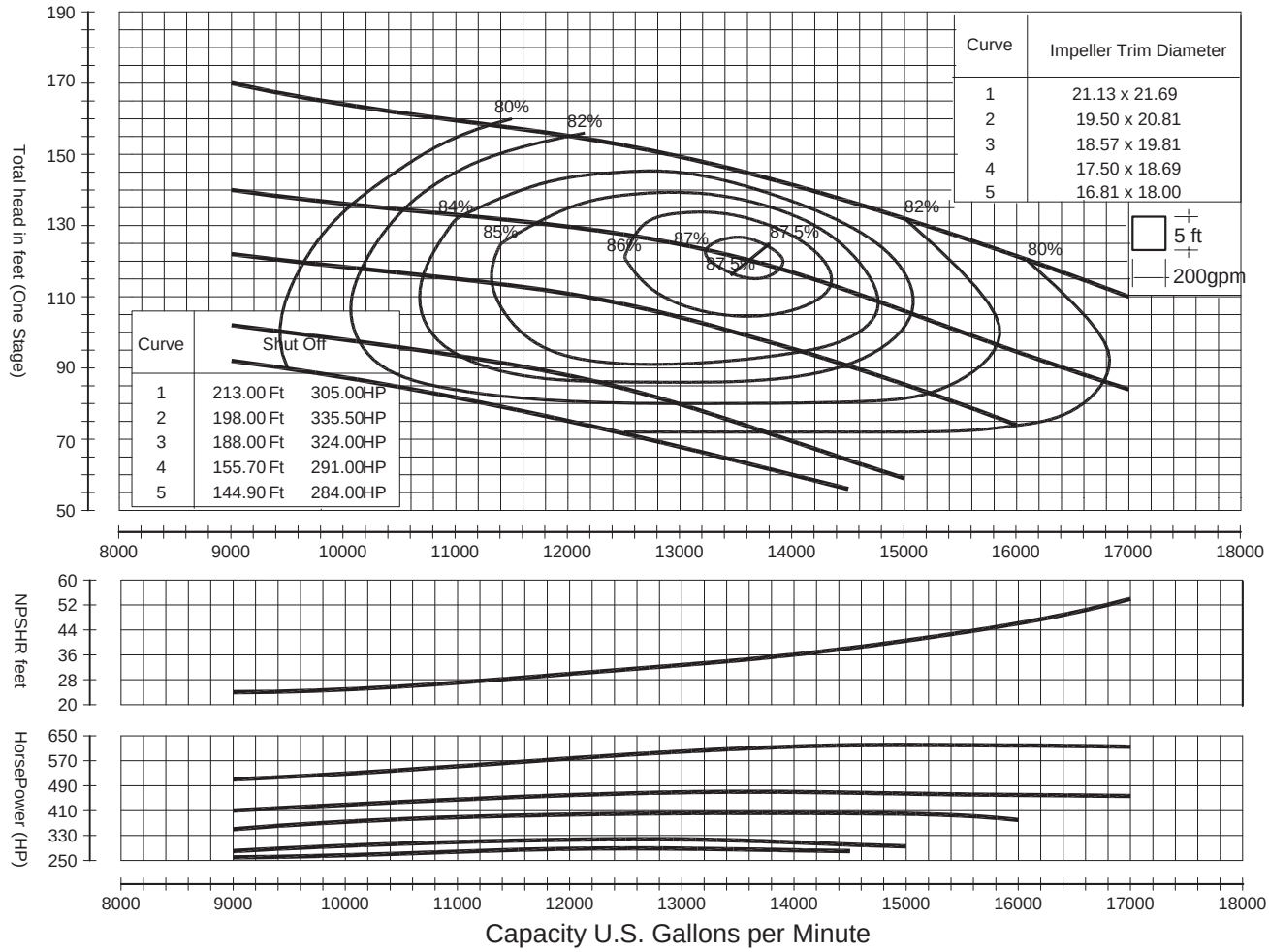
Based Std. Mtl's

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

pumpandpond.com



NP&P NASHVILLE PUMP & POND	**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
Max. Shaft Diameter	2.938"	One Stage WR ^{2} LB-FT ^{2}	14850
Opt. Lateral Setting	.125"	Impeller Type	ENCLOSED
Max. Lateral Setting *	0.719"	Impeller No.	TCX1444
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

Stages	Efficiency Correction
2	+ 0.50
3	+ 1.00
Based Std. Mtl's	

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

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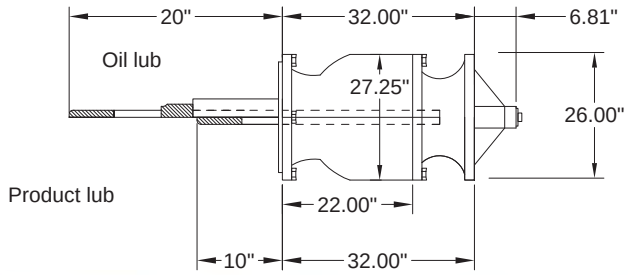
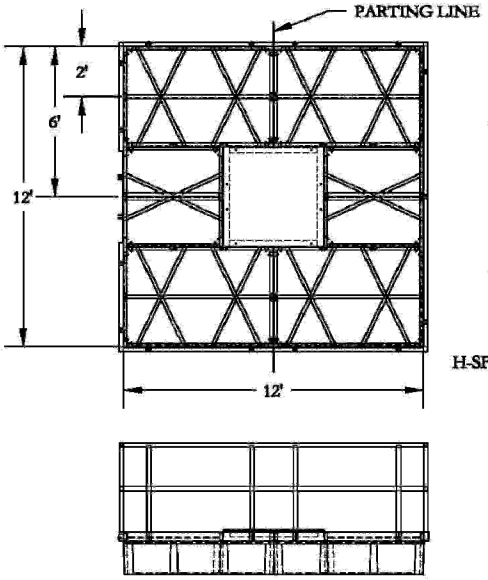
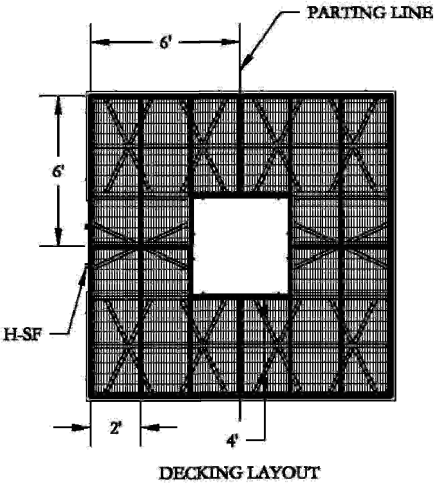


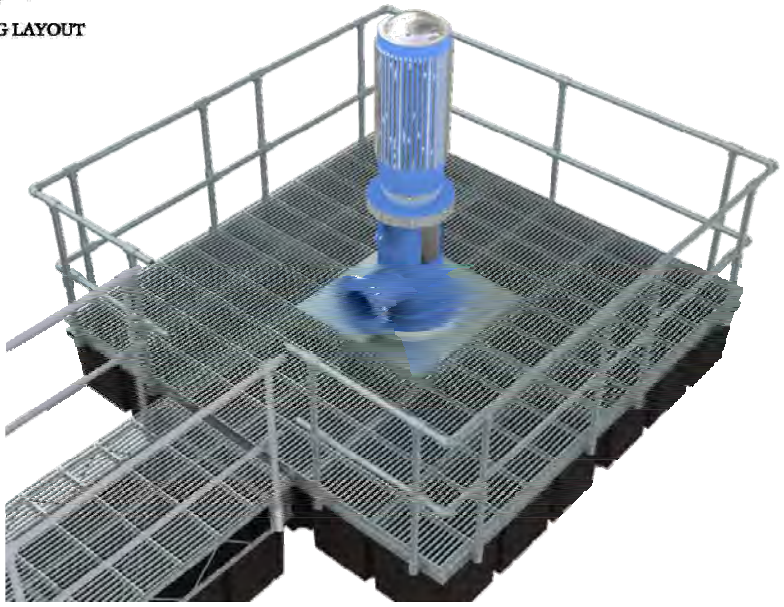
VERTICAL TURBINE PUMPS AND FLOATING PLATFORMS

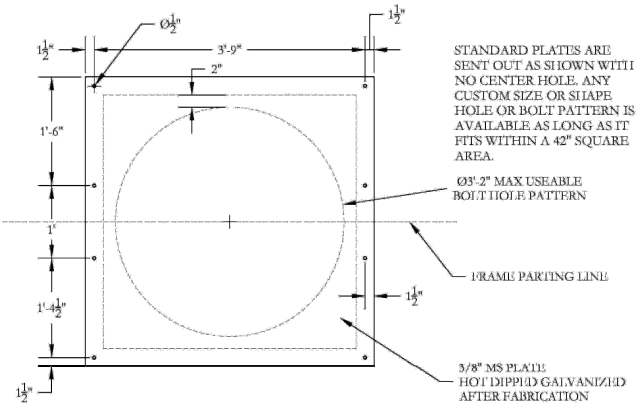
Nashville Pump & Pond 12' x 12' and 16' x 16' vertical pump docks can support 200-500 HP pumps for agriculture, water and waste water applications. The 2 sections of this rugged steel platform can be easily bolted together on site. Comes complete with floats, Galvanized Press Lock Decking and plate for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





DECKING LAYOUT

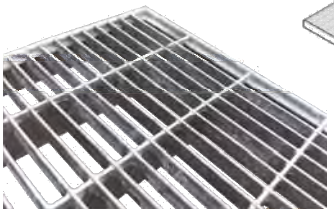


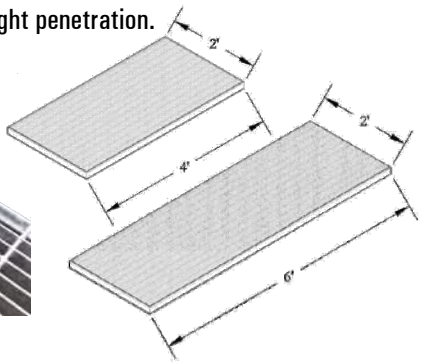


Ramps to dock, extensions of ramps and other size platforms can be constructed. Call one of our knowledgeable sales representatives to get more information.

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





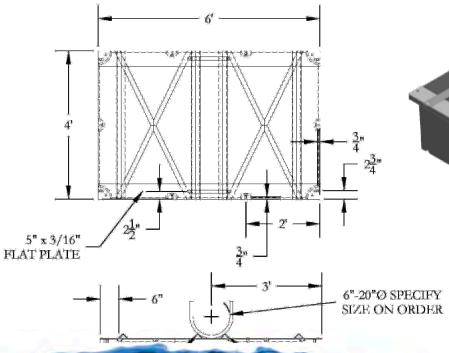
VERTICAL TURBINE PUMPS AND FLOATING PLATFORMS

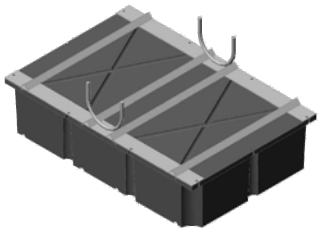
Pipe line float carrying 18″ pipe from pump

Large vertical pump with walkway.

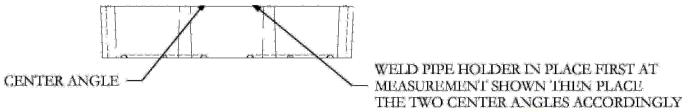
3 pumps on 3 floating platforms attached together.

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.

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