



Quotation

Quote Prepared by: **Brandon Upton**

brandon.upton@alsaywater.com

www.alsaywater.com

Office 281-444-6960

Cell 832-799-0812

IT'S ALL ABOUT THE WATER.

6615 Gant Road
Houston, TX 77066

Quoted To:	Project Location:	Quote Info
City of Sugarland	6631 Greatwood Pkwy	Date: 6/8/23
101A Gillingham Lane	Sugar Land, Texas 77479	Quote# : 060823BU
Sugar Land, Texas 77478		Job Name: Greatwood Rehab

ATTN: Danica Mueller

LINE ITEM SUMMARY

LINE	QTY	DESCRIPTION	NET PRICE	EXT. PRICE
1	1	Mobilization & Demobilization	\$ 5,200.00	\$ 5,200.00
2	1	Installation/Removal of Rental Pumping Equipment	\$ 15,000.00	\$ 15,000.00
3	2	Rental Pump (Per Month)	\$ 5,500.00	\$ 11,000.00
4	1	Installation of New Pumping Equipment	\$ 7,500.00	\$ 7,500.00
5	1	12X - 6 Stage New Pump Bowl	\$ 27,020.00	\$ 27,020.00
6	1	Complete Top Special Assembly	\$ 2,850.00	\$ 2,850.00
7	500	500' of 1/4" SS Airline	\$ 3.57	\$ 1,785.00
8	23	Rubber Stabilizers	\$ 35.00	\$ 805.00
9	1	2-1/2" Tension Bearing	\$ 420.00	\$ 420.00
10	25	Line Shaft Bearings	\$ 160.00	\$ 4,000.00
11	23	Line Shaft Couplings	\$ 55.00	\$ 1,265.00
12	1	Performance Test	\$ 700.00	\$ 700.00
13	2	Pull Bac-T Samples	\$ 250.00	\$ 500.00
14			\$ -	\$ -
15			\$ -	\$ -
16			\$ -	\$ -
17		Lead Time: 8-9 Weeks	\$ -	\$ -

QUOTE VALID FOR 30 DAYS - SALES TAX TO BE ADDED IF TAX EXEMPT CERT IS NOT SUPPLIED



No Freight Included

Total:	\$ 78,045.00
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Company: Q-124094-1
 Name:
 Date: 6/5/2023



Pump:

Size: 12-X-180 (6 stage)
 Type: VERT.TURB.ENCLOSED
 Synch Speed: 1800 rpm
 Curve: N12-X-18
 Specific Speeds:
 Dimensions:
 Vertical Turbine:
 Speed: 1760 rpm
 Dia: 9.86 in
 Impeller: 180
 Ns: 3501
 Nss: 8501
 Suction: ---
 Discharge: ---
 Bowl Size: 12.1 in
 Max Lateral: 1 in
 Thrust K Factor: 10.7 lbf/ft

Search Criteria:

Flow: 1500 US gpm Head: 370 ft

Fluid:

Water
 Density: 62.32 lb/ft³
 Viscosity: 0.9946 cP
 NPSHa: ---
 Temperature: 68 °F
 Vapor Pressure: 0.3391 psi a
 Atm Pressure: 14.7 psi a

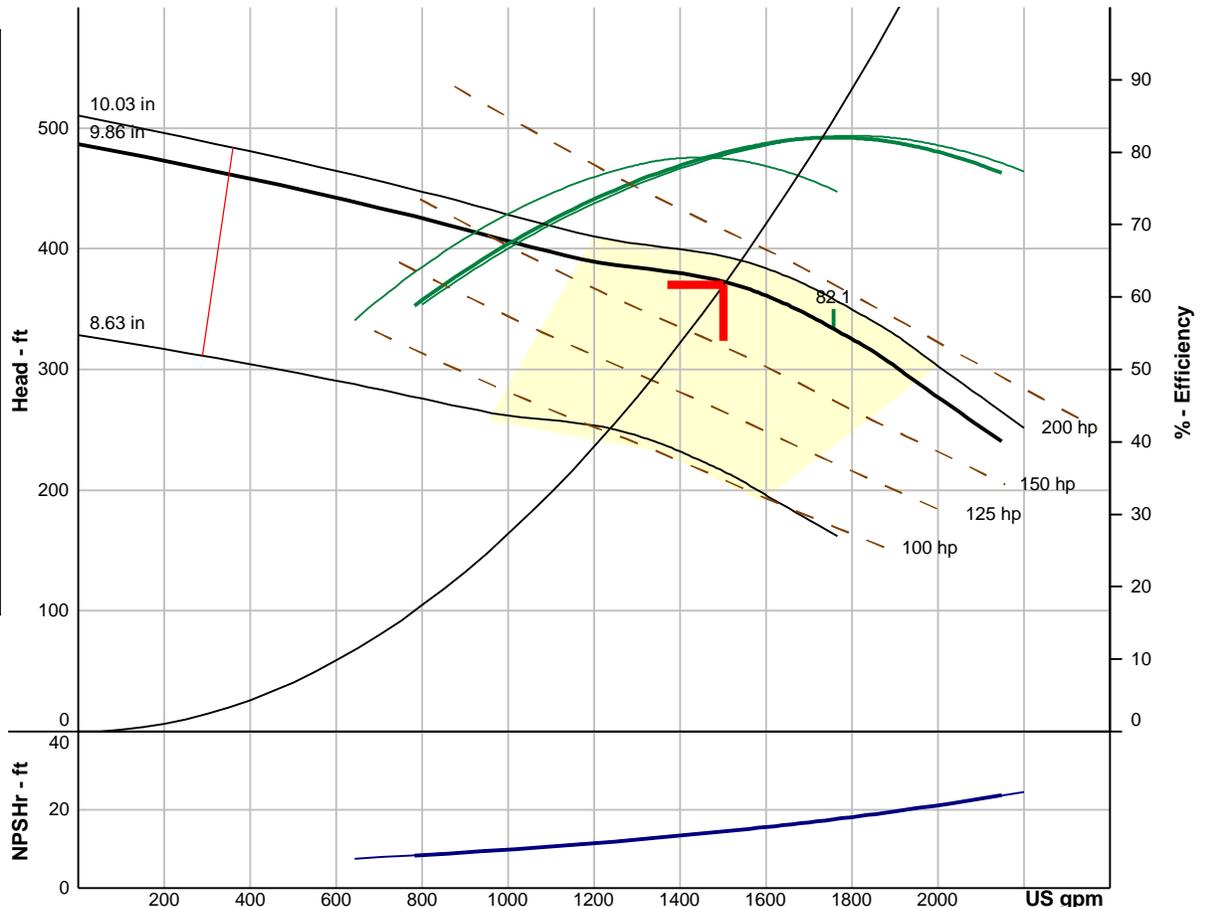
Motor:

Standard: NEMA
 Enclosure: WP-I
 Sizing Criteria: Max Power on Design Curve
 Size: 200 hp
 Speed: 1800 rpm
 Frame: 445

Pump Limits:

Temperature: 180 °F
 Pressure: 300 psi g
 Sphere Size: 0.8 in
 Power: 408 hp
 Eye Area: 30.9 in²

---- Duty Point ----	
Flow:	1500 US gpm
Head:	370 ft
Eff:	80%
Power:	176 hp
NPSHr:	14.6 ft
---- Design Curve ----	
Shutoff Head:	487 ft
Shutoff dP:	211 psi
Min Flow:	351 US gpm
BEP:	82.1% @ 1757 US gpm
NOL Power:	180 hp @ 1757 US gpm
-- Max Curve --	
Max Power:	193 hp @ 1800 US gpm



UNLESS OTHERWISE SPECIFIED: [1] LIMITS AND PERFORMANCE BASED ON STANDARD MATERIALS. [2] PERFORMANCE SHOWN AS TYPICAL, CONTACT FACTORY FOR GUARANTEED PERFORMANCE. [3] NPSHR AT 1ST STAGE IMPELLER CENTERLINE.

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1800	1760	325	82	180	18.3
1500	1760	370	80	176	14.6
1200	1760	390	73	160	11.6
900	1760	416	63	148	9.27
600	1760	441	52	136	7.68