



FLOW-TECHNICS, INC.

PROPOSAL

Rochelle Reclamation District
888 Treatment Plant Road
Rochelle, IL 61068
Attn: Andrew Cunningham

August 15, 2018

Re: 1st Ave Pump

Sulzer/ABS Pumps

*End of
September*

We are pleased to offer the following proposal for your consideration:

1- Sulzer/ABS XFP205J – CB2.335-PE860/4 pump with a 115 HP motor, 460V, 3 phase, 1780 RPM capable of delivering 2800 GPM AT 105' TDH. The pump is explosion-proof and comes complete with 49' of power cable. The pump has an 8" discharge.

1 - Day of startup

Price \$ 34,503.00 (plus freight)

TERMS & CONDITIONS:

Payment: Net 30 Days; no startup will be performed without 100% payment.
Prices: Valid for 30 days from date of this proposal.
Taxes: Sales taxes are NOT included.
F.O.B.: Factory – Prepaid & Added
Notes: - Offloading by others.
- Installation IS NOT included.

NOT INCLUDED:

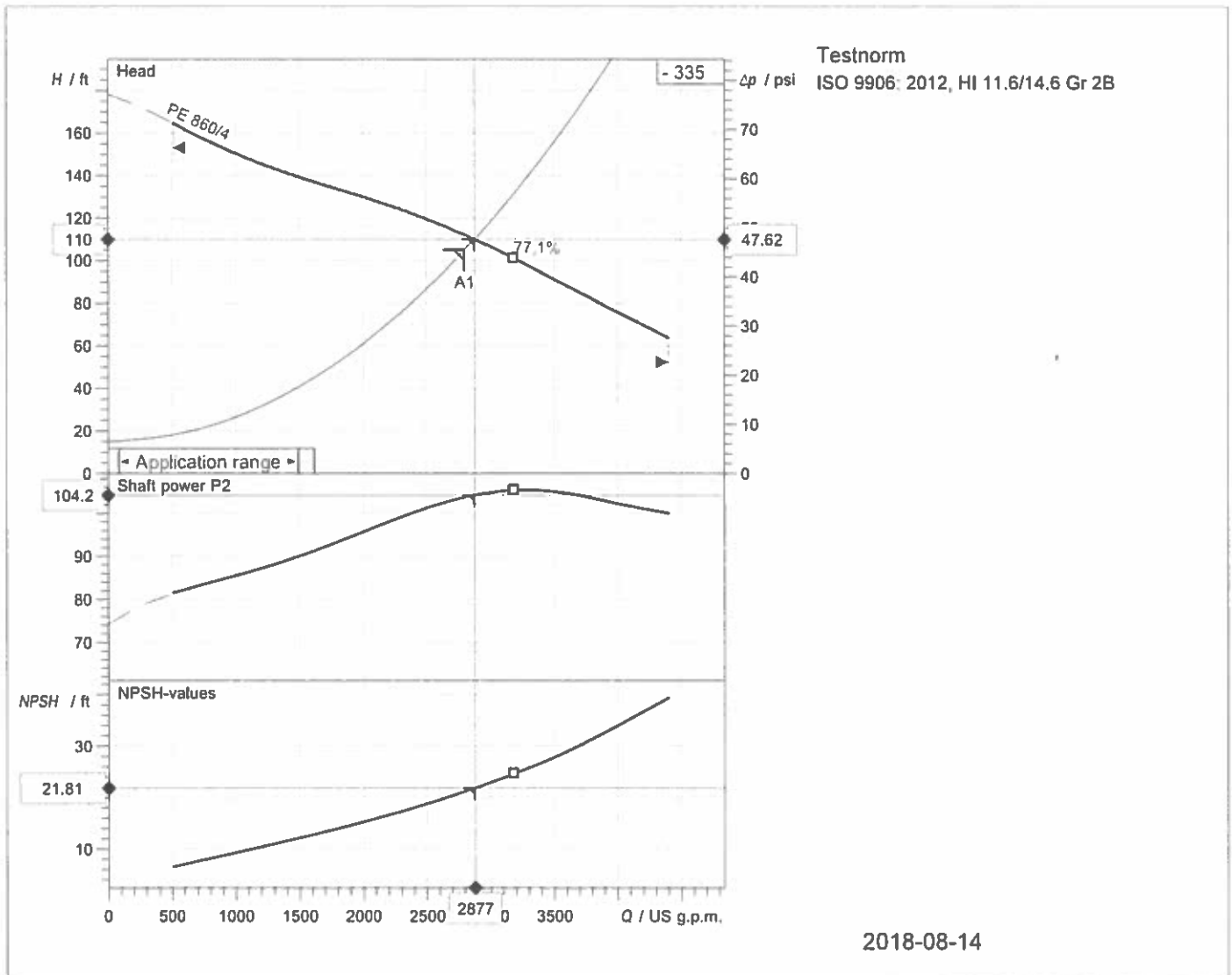
1. Any item not specifically mentioned is not included, nor was it intended to be.
2. Anchor bolts
3. Federal, State, or Local sales taxes
4. Field installation.

Respectfully submitted,
FLOW-TECHNICS, INC.

Michael E. Carney

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XFP 205J-CB2 60 HZ



Operating data specification Flow 2880 US g.p.m. Efficiency 76,6 % NPSH 21,8 ft Temperature 68 °F No. of pumps 1		Power input 109 hp Head 110 ft Rated power 104 hp Fluid Water Nature of system Single head pump	
Pump data Type XFP 205J-CB2 60 HZ Series XFP PE4-PE7 N° of vanes 2 Free passage 3,15 x 4,33 inch Discharge flange DN200 Moment of inertia 13,1 lb ft ²		Make SULZER Impeller Contrablock Plus impeller Impeller size 13,2 inch Suction flange DN200 Type of installation wet well vertical installation 2"	
Motor data Rated voltage 460 V Rated power P2 115 hp Number of poles 4 Power factor 0,868 Starting current 1240 A Starting torque 1090 lbf ft Insulation class F		Frequency 60 Hz Nominal Speed 1780 rpm Efficiency 95,4 % Rated current 130 A Rated torque 340 lbf ft Degree of protection IP 68 No. starts per hour 10	

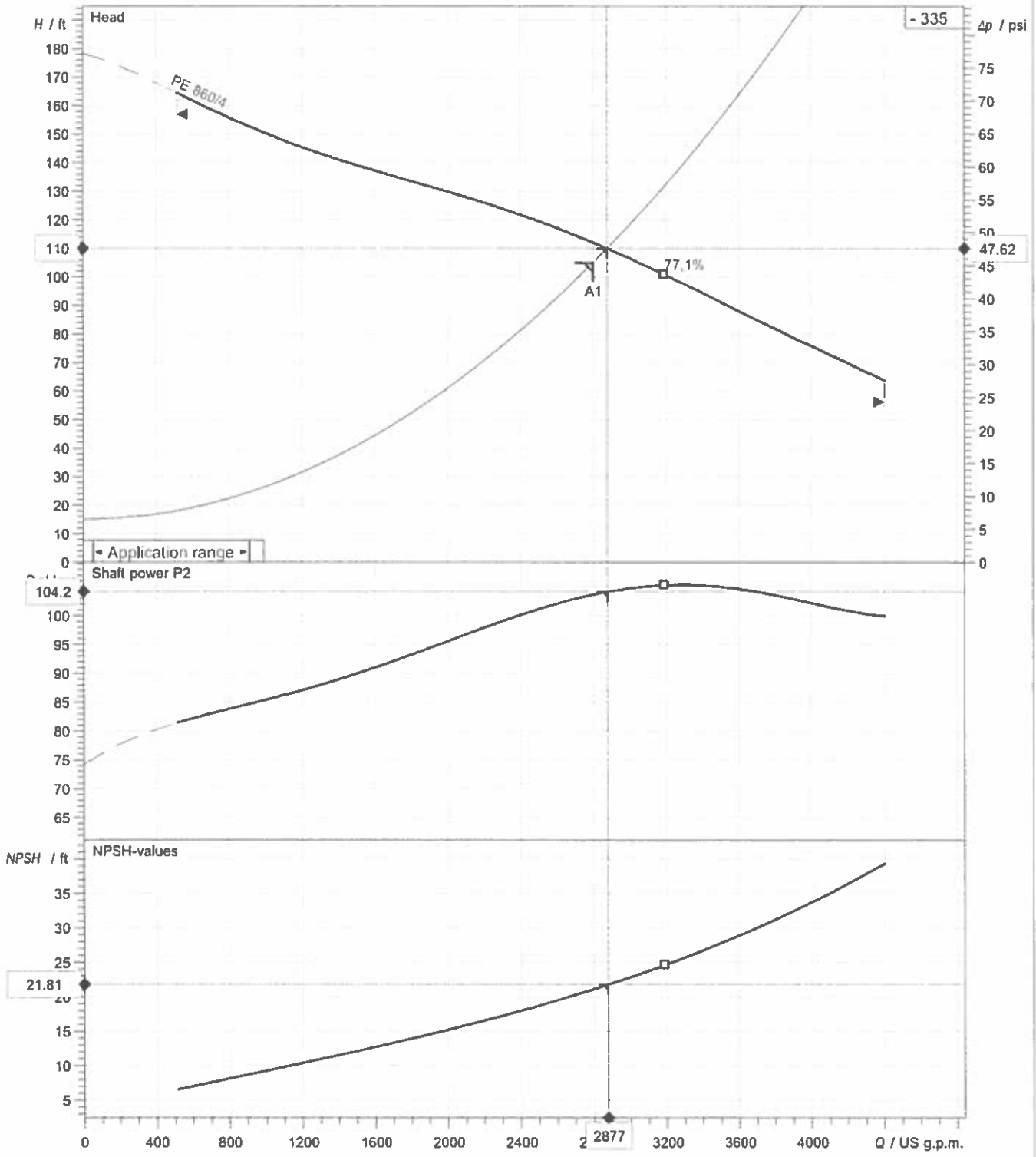
Curve number
Reference curve
XFP 205J-CB2 60 HZ

Pump performance curves

SULZER

XFP 205J-CB2 60 HZ

			Discharge DN200	Frequency 60 Hz
Density 62,32 lb/ft ³	Viscosity 1,005 mm ² /s	Testnorm ISO 9906: 2012, HI 11.6/14.6 Gr 2B	Rated speed 1784 rpm	Date 2018-08-14
Flow 2880 US g.p.m.	Head 110 ft	Rated power 104 hp	Power input 109 hp	Hydraulic efficiency 76,6 %
				NPSH 21,8 ft



Frequency
60 Hz

PE5

Motor performance curve

SULZER

PE 860/4

Rated power
115 hp

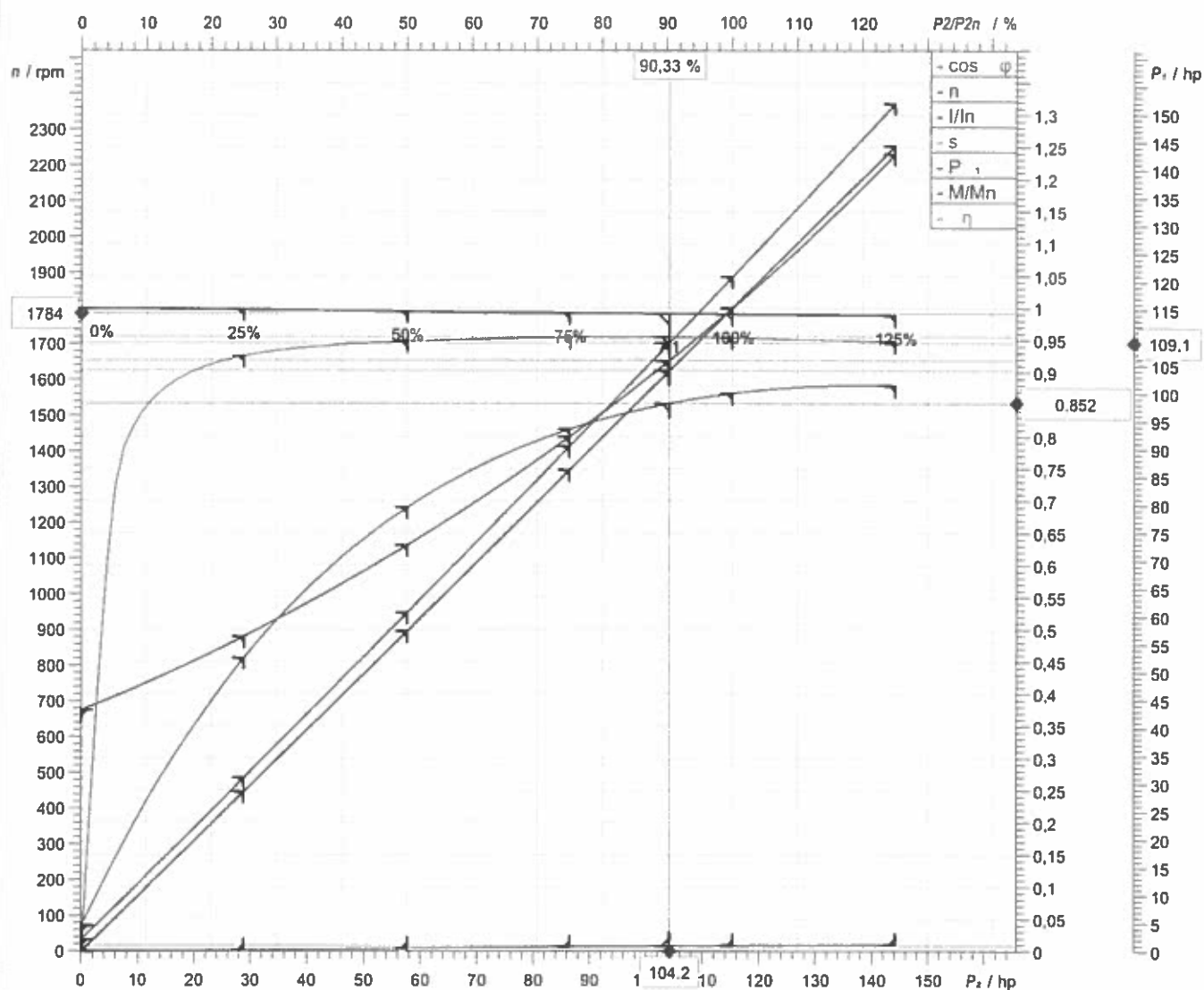
Service factor
1,3

Nominal Speed
1780 rpm

Number of poles
4

Rated voltage
460 V

Date
2018-08-14



Symbol	No load	25 %	50 %	75 %	100 %	125 %
P_2 / hp	0	28,83	57,66	86,5	115,3	144,2
P_1 / hp	2,099	31,14	60,78	90,57	120,9	152,1
η / %	0	92,58	94,87	95,5	95,39	94,81
n / rpm	1800	1796	1791	1787	1783	1780
$\cos \varphi$	0,04014	0,4563	0,6904	0,8121	0,8677	0,8799
I / A	48,94	63,88	82,4	104,4	130,4	161,7
s / %	0	0,2277	0,489	0,7332	0,939	1,112
M / lbf ft	0	84,32	169,1	254,3	339,7	425,4

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current

Starting torque

Moment of inertia

No. starts per hour