

Company: ASC PUMPING EQUIPMENT
 Project: WATER TECHNOLOGIES
 by: Scott Koberstein

H2Optimize rev: 1.1
 File: (untitled)
 Date: 01/27/99

CURVE: PC142413

PUMP DATA SHEET

Catalog: AURORA60 v. 1.1

TYPE - SPEED: 340-ES - 1800

FLUID Water tmp: 60 °F

PUMP Size: 3x4x11

SG: 1

vsc: 1.1 cpois

Speed: 1750 rpm

vapor: 0.26 psi

Imp dia: 10.3125 in

atm: 14.7 psi

Maximum tmp: - °F
 pres: - psi

AVAILABLE HEAD NPSHa: - ft

Minimum flow: 30% of BEP

PIPING Pressure: - psi

Suction size: 4 in
 Discharge size: 3 in

Suction elev: - ft

size: - in

Discharge size: - in

DESIGN CONDITIONS

FLOW: 366 gpm

TDH: 101 ft

EFF: 73 %

POWER: 12.79 bhp

NPSHr: 6.08 ft ***

DESIGN NOTES

BEP: 77%eff @ 500

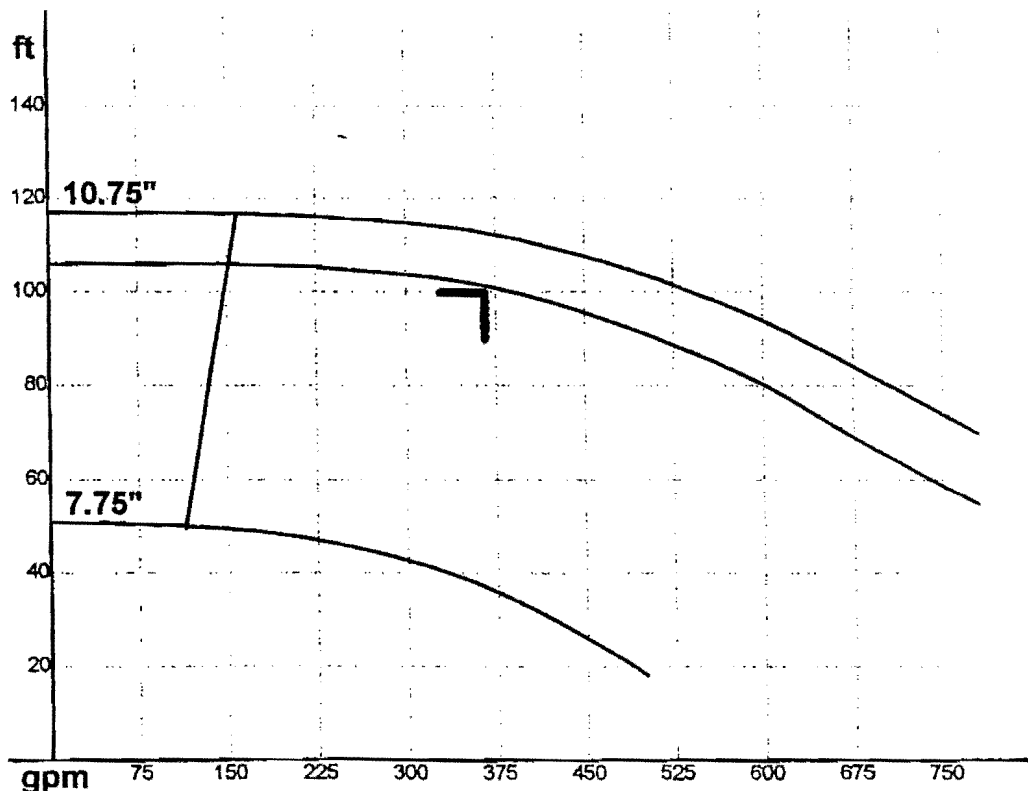
MAX: 18.33 bhp @ 780

SHUTOFF: 106 ft

MIN FLOW: 150 gpm

SPECIFIC Speed: 1330

Suction: 8380



PERFORMANCE EVALUATION

	FLOW gpm	SPEED rpm	TDH ft	PUMP POWER %eff	PUMP POWER bhp	NPSHr ft	MOTOR POWER %eff	MOTOR POWER kWh	HRS/YR COST
120%	439.2	1750	96.35	77	13.88	7.01			
100%	366	1750	101	73	12.79	6.08			
80%	292.8	1750	103.4	67	11.41	5.27			
60%	219.6	1750	105.3	57	10.24	4.59			
40%	146.4	1750	105.7	41	9.53	4.28			

Company: ASC PUMPING EQUIPMENT
 Project: WATER TECHNOLOGIES
 by: Scott Koberstein

H2Optimize rev: 1.1
 File: (untitled)
 Date: 01/27/99

CURVE: PC116277

PUMP DATA SHEET

Catalog: AURORA60 v. 1.1

TYPE - SPEED: 340-ES - 1800

FLUID Water tmp: 60 °F

PUMP Size: 1.5x2x9B

SG: 1

Speed: 1750 rpm

vsc: 1.1 cpois

Imp dia: 8.5 in

vapor: 0.26 psi

atm: 14.7 psi

Maximum tmp: - °F
 pres: - psi

AVAILABLE HEAD NPSHa: - ft

Minimum flow: 31% of BEP

PIPING Pressure: - psi

Suction size: 2 in
 Discharge size: 1.5 in

Suction elev: - ft

size: - in

Discharge size: - in

DESIGN CONDITIONS

FLOW: 85 gpm

TDH: 81.1 ft

EFF: 60 %

POWER: 2.901 bhp

NPSHr: 3 ft ***

DESIGN NOTES

BEP: 62%eff @ 105

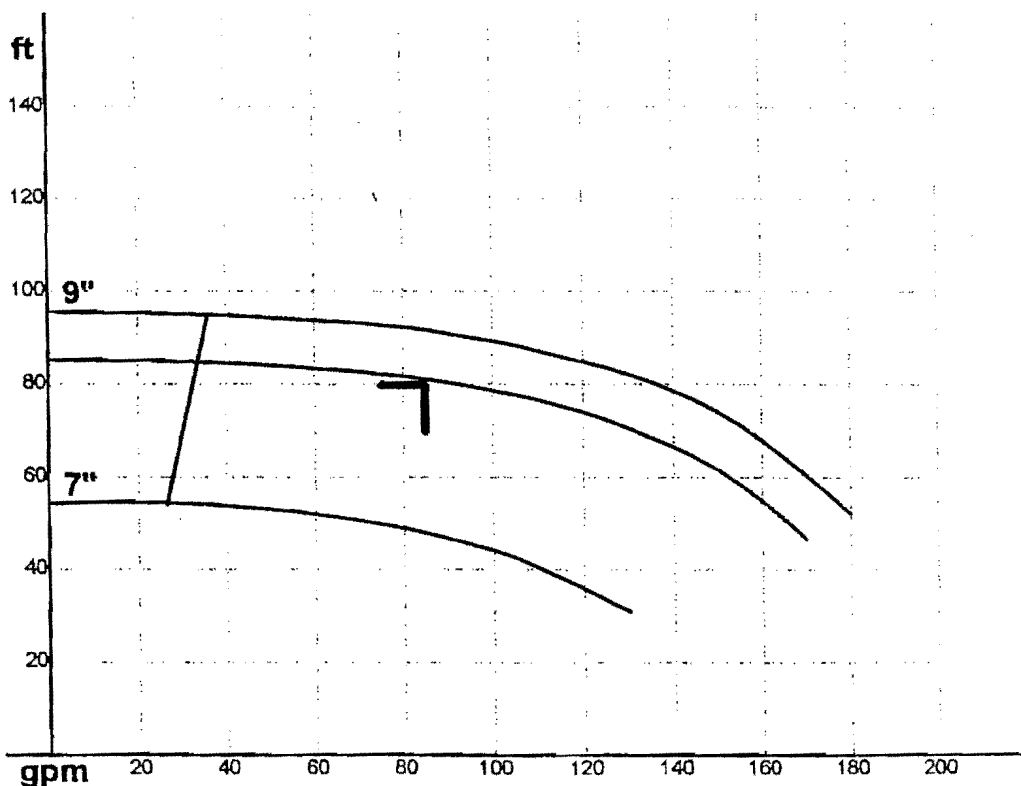
MAX: 4.556 bhp @ 170

SHUTOFF: 85.2 ft

MIN FLOW: 32.55 gpm

SPECIFIC Speed: 680

Suction: 5800



PERFORMANCE EVALUATION

	FLOW gpm	SPEED rpm	TDH ft	PUMP %eff	POWER bhp	NPSHr ft	MOTOR POWER %eff	HRS/YR COST kWh
120%	102	1750	78.3	62	3.253	4.28		
100%	85	1750	81.1	60	2.901	3		
80%	68	1750	82.52	53	2.673	3		
60%	51	1750	83.93	46	2.35	3		
40%	34	1750	84.62	32	2.27	3		

