



Company: P-7001

Name:

Date: 11/27/2007

Selection: 02 3410 with 16.25_ imp

Pump:

Size: 8x10-17 X17

Type: 3196_A

Synch speed: 1800 rpm

Curve: 4364-2

Specific Speeds:

Dimensions:

Speed: 1780 rpm

Dia: 16.375 in

Impeller: 16.5"

Ns: ---

Nss: ---

Suction: 10 in

Discharge: 8 in

Search Criteria:

Flow: ---

Head: ---

Fluid:

Brine

Density: 74.9 lb/ft³

Viscosity: 0.55 cP

NPSHa: ---

Temperature: 200 °F

Vapor pressure: 9 psi a

Atm pressure: 14.7 psi a

Motor:

Standard: NEMA

Enclosure: TEFC

Size: 400 hp **350 HP**

Speed: 1800

Frame: 449T

Sizing criteria: Max Power on Design Curve

Pump Limits:

Temperature: ---

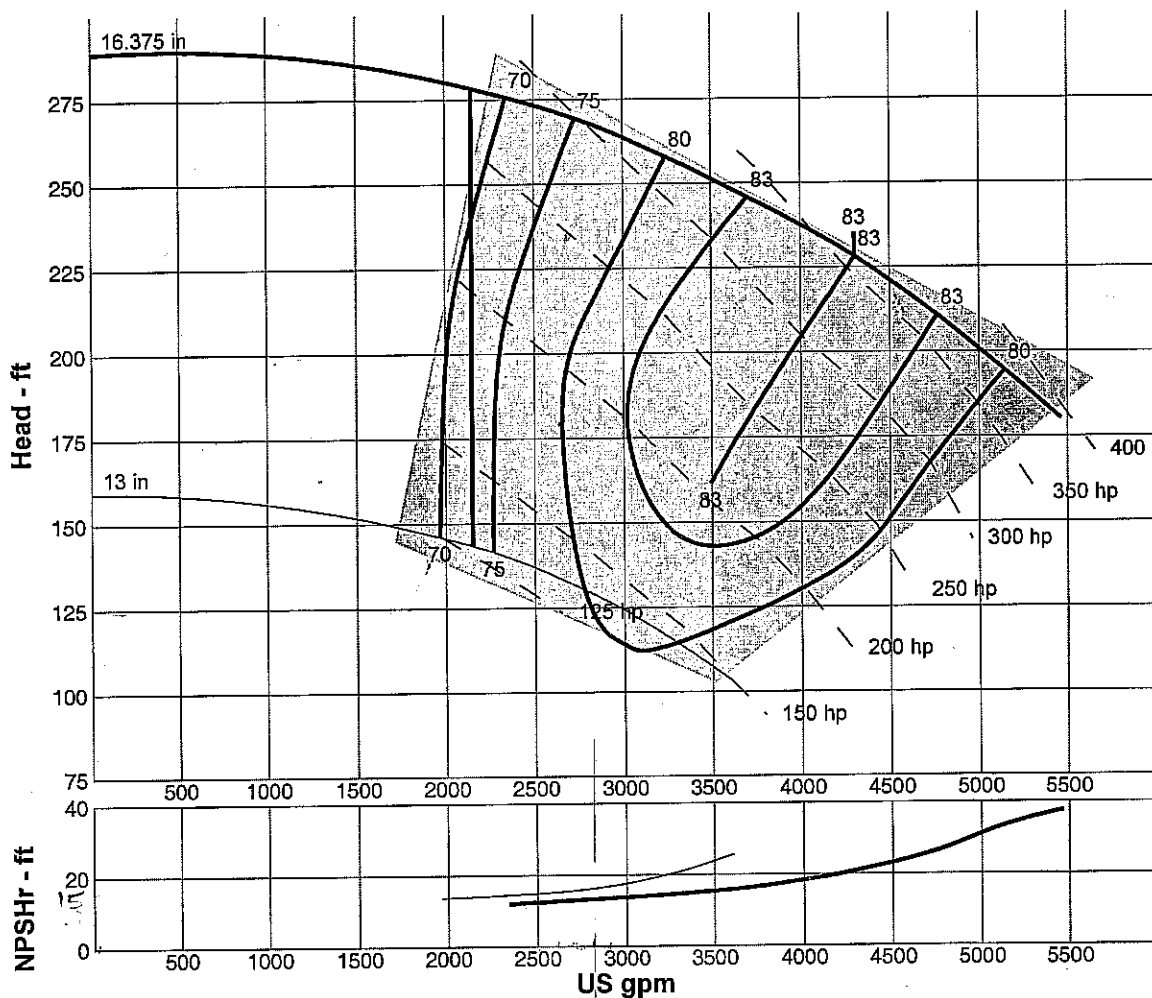
Pressure: ---

Sphere size: ---

Power: ---

Eye area: ---

Data Point	
Flow:	4302 US gpm
Head:	228 ft
Eff:	83%
Power:	359 hp
NPSHr:	21 ft
Design Curve	
Shutoff head:	289 ft
Shutoff dP:	150 psi
Min flow:	2150 US gpm
BEP:	83% @ 4302 US gpm
NOL power:	394 hp @ 5465 US gpm
Max Curve	
Max power:	394 hp @ 5465 US gpm



The average of the diameters for taper cuts are shown - contact factory for more information.

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
5246	1780	190	79	384	35
4372	1780	226	83	360	21.9
3498	1780	251	82	326	15.5
2623	1780	271	74	293	12.8
1749	1780	---	---	---	---

Company: P-7002 & P-7003

Name: HL

Date: 11/27/2007

Selection: 02 3410 with 16.25_imp

Pump:

Size: 8x10-17H L

Type: 3410
Synch speed: 1800 rpm

Curve: 3718-1

Specific Speeds:

Dimensions:

Speed: 1780 rpm
Dia: 17.5 in

Impeller: 17"

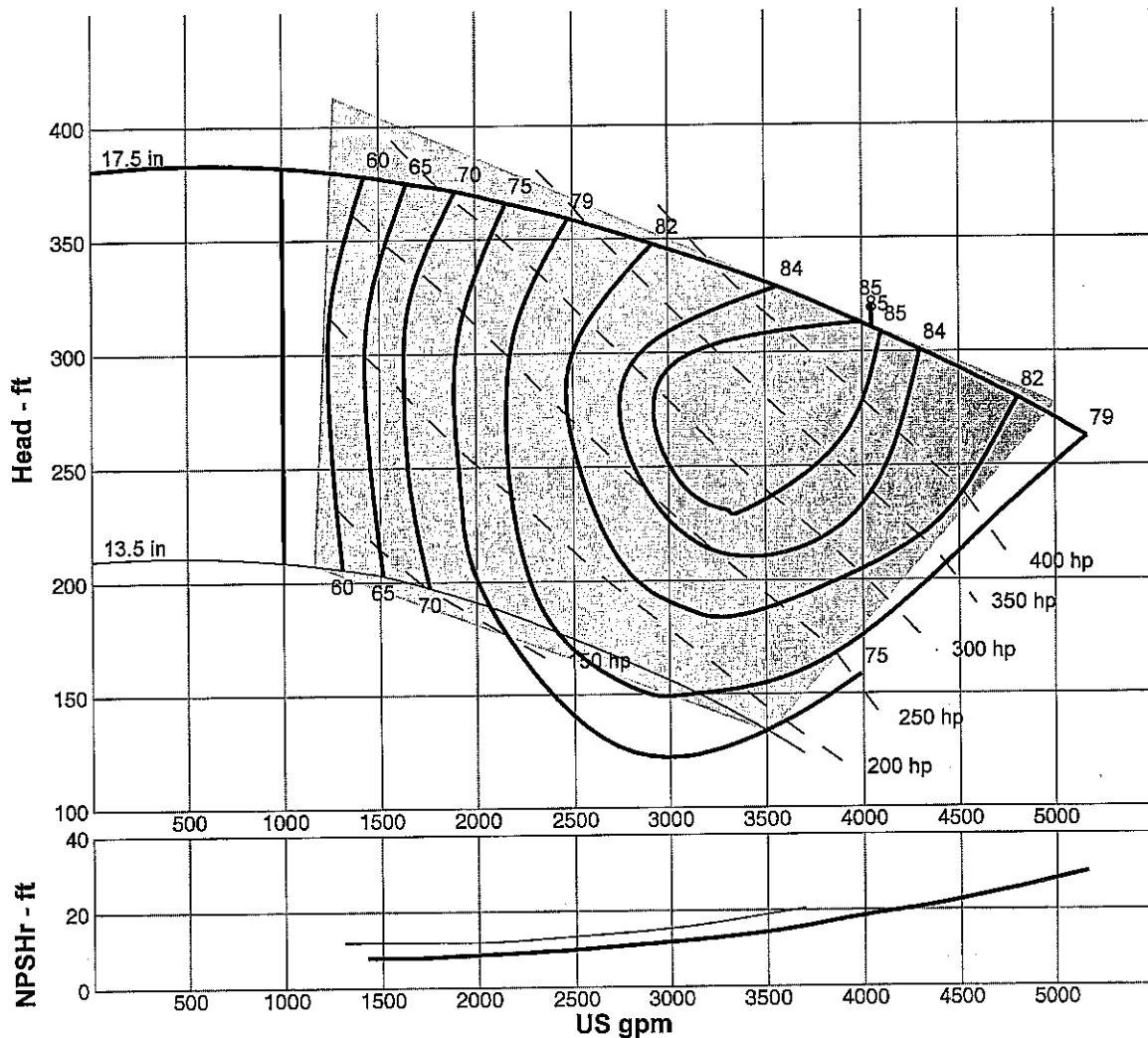
Ns: ---
Nss: ---Suction: 10 in
Discharge: 8 in**Search Criteria:**

Flow: ---

Head: ---

Fluid:Brine
Density: 74.9 lb/ft³
Viscosity: 0.55 cP
NPSHa: ---Temperature: 200 °F
Vapor pressure: 9 psi a
Atm pressure: 14.7 psi a**Motor:**Standard: NEMA
Enclosure: TEFC--- **300 HP**
Speed: ---
Frame: ---

Sizing criteria: Max Power on Design Curve

Pump Limits:Temperature: ---
Pressure: ---
Sphere size: ---Power: ---
Eye area: ---**Data Point:**Flow: 4049 US gpm
Head: 311 ft
Eff: 85%
Power: 450 hp
NPSHr: 19 ft**Design Curve:**Shutoff head: 381 ft
Shutoff dP: 198 psi
Min flow: 1000 US gpm
BEP: 85% @ 4049 US gpm
NOL power:
522 hp @ 5166 US gpm**Max Curve:**Max power:
522 hp @ 5166 US gpm**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
4960	1780	272	81	508	27.6
4133	1780	307	85	455	19.6
3306	1780	336	83	405	13.4
2480	1780	359	79	342	9.87
1653	1780	375	65	289	8.02

