

**GOULDS MODEL #3196STX
(G1 1/2 - F1L210D)
(S/N 765E984)**

NOTE: requires engine from 82H20-F1L, S/N 1171306 (already reconfigured)

PUMP DATA SHEET

Goulds Process Pumps 60 Hz

Selection file: (untitled)

Catalog: PROCESS60.MPC v 4

Curve: 5008-1

Design Point: Flow: 60 US gpm
Head: 263 ft

Fluid: HYDROCARBONS Temperature: 400 °F

SG: 0.88

Viscosity: 1 cP

Vapor pressure: 0.1 psi_a

Atm pressure: 14.7 psi_a

Pump: 3196_A - 3600
Speed: 3500 rpm

Size: 1x1.5-8 STX
Dia: 7.625 in

Limits: Temperature: — °F
Pressure: — psi_g

Sphere size: — in
Power: — bhp

Goulds 1 1/2" suction x 1" discharge
318 Stainless steel ANSI process pump
(7.625" imp.) with Fluidtec Aflas seal
powered by a 15HP Deutz diesel engine,
v-belt driven at 3500 rpm.

Specific Speed: Ns: —

Nss: —

Dimensions: Suction: 1.5 in

Discharge: 1 in

Motor: 15 hp

Speed: 3600

Frame: 254T

NEMA Standard TEFC Enclosure
sized for Max Power on Design Curve

Pump is equipped with a finned tube
cooler for higher temperatures.
Customer is responsible for running
cooling fluid through the cooler.

Max. casing pressure: 250#

--- Data Point ---

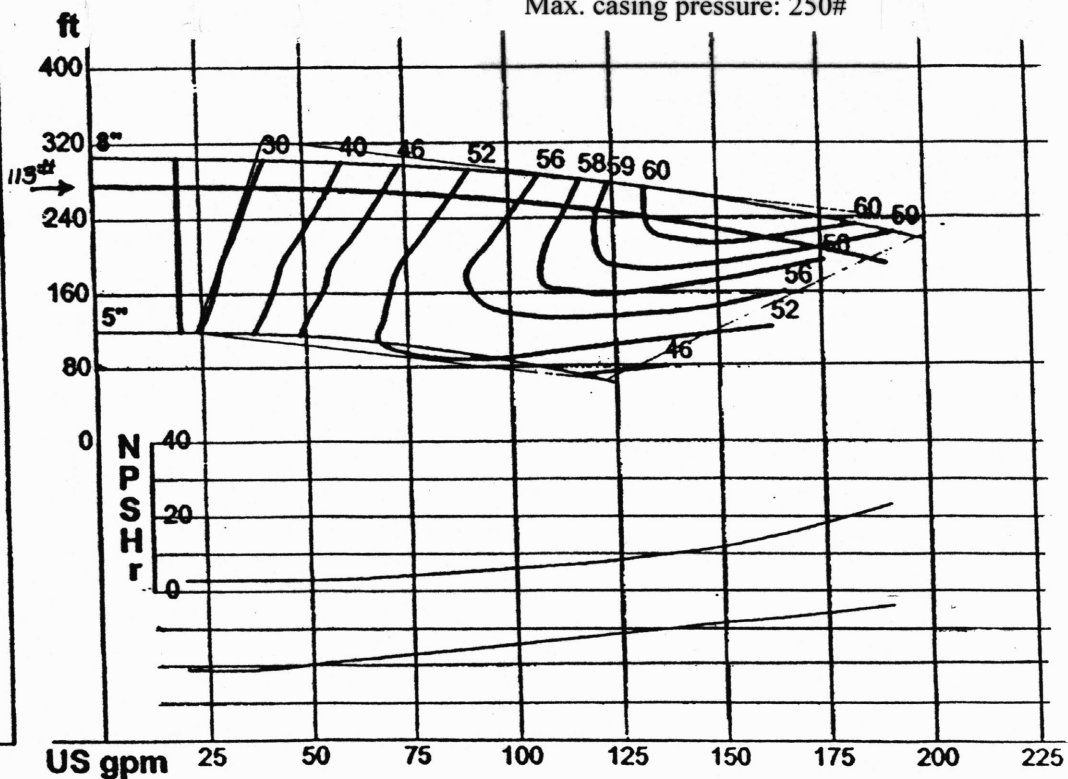
Flow: 60 US gpm
Head: 270 ft
Eff: 42%
Power: 8.59 bhp
NPSHr: 3.25 ft

--- Design Curve ---

Shutoff Head: 276 ft
Shutoff dP: 105 psi
Min Flow: 20 US gpm
BEP: 60% eff
@ 146 US gpm
NOL Pwr: 14.6 bhp
@ 190 US gpm

--- Max Curve ---

Max Pwr: 16.8 bhp
@ 200 US gpm



--- PERFORMANCE EVALUATION ---

Flow US gpm	Speed rpm	Head ft	Pump %eff	Power bhp	NPSHr ft	Motor %eff	Motor kW	Hrs/yr	Cost /kWh
72	3500	267	47	9.11	4.03				
60	3500	270	42	8.59	3.25				
48	3500	272	36	8.08	3				
36	3500	273	29	7.64	3				
24	3500	274	19	7.66	3				