

Pump:

Size: 2x1.5-8
 Type: V200
 Synch speed: 3600 rpm
 Curve: L-1523
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 8.0625 in
 Impeller:
 Ns: 700
 Nss: 6493
 Suction: 2 in
 Discharge: 1.5 in

Search Criteria:

Flow: --- US gpm Head: --- ft

Fluid:

Water
 SG: 1
 Viscosity: 1.105 cP
 NPSHa: --- ft
 Temperature: 60 °F
 Vapor pressure: 0.2563 psi a
 Atm pressure: 14.7 psi a

Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 20 hp
 Speed: 3600
 Frame: 256T

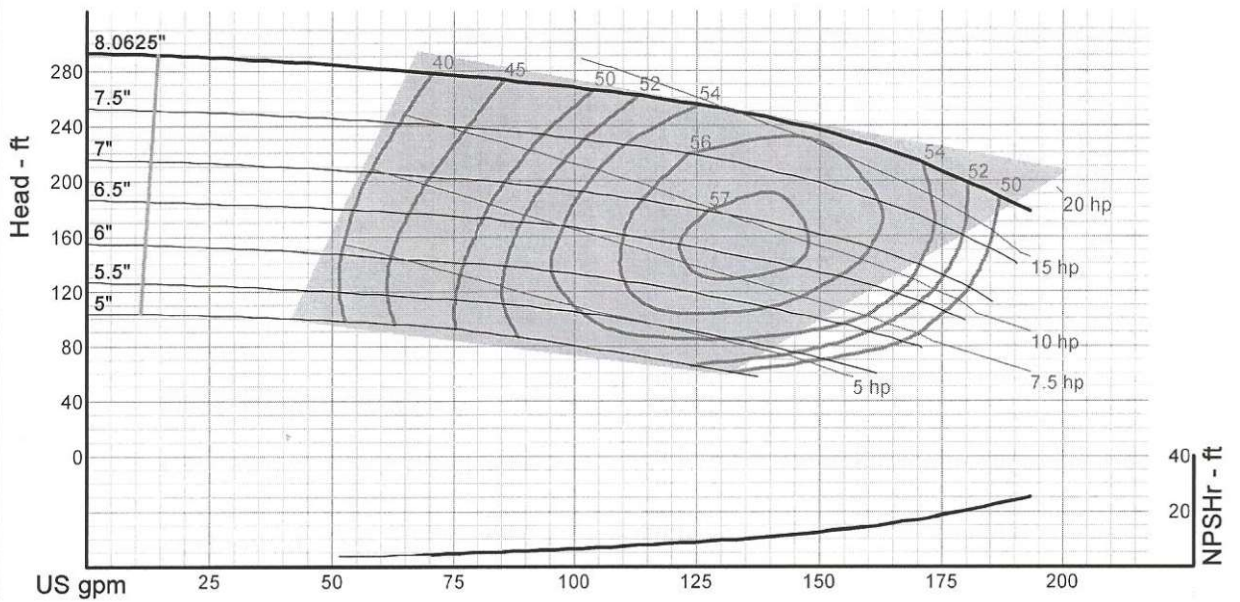
Pump Limits:

Temperature: 300 °F
 Pressure: --- psi g
 Sphere size: 0.3125 in
 Power: --- hp
 Eye area: --- in²

---- Data Point ----
 Flow: 145 US gpm
 Head: 237 ft
 Eff: 56%
 Power: 15.6 hp
 NPSHr: 12.1 ft

-- Design Curve --
 Shutoff Head: 291 ft
 Shutoff dP: 126 psi
 Min Flow: 14.5 US gpm
 P: 56% eff
 @ 145 US gpm
 NOL Pwr: 18.1 hp
 @ 192 US gpm

-- Max Curve --
 Max Pwr: 18.1 hp
 @ 192 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Pump %eff	Power hp	NPSHr ft
184	3500	189	50	17.3	22.4
153	3500	229	55	15.9	13.8
122	3500	254	54	14.6	8.97
91.8	3500	268	47	13.2	6.29
61.2	3500	278	37	11.8	4.72