



Company: Genemco, Inc.
 Name: Russell
 Date: 11/3/2008

Pump:

Size: R3EM
 Type: End-Suction
 Synch speed: 1800 rpm
 Curve: R3EM
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 11.9375 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 4 in
 Discharge: 3 in

Search Criteria:

Flow: 211.5 US gpm Head: 119.2 ft

Fluid:

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

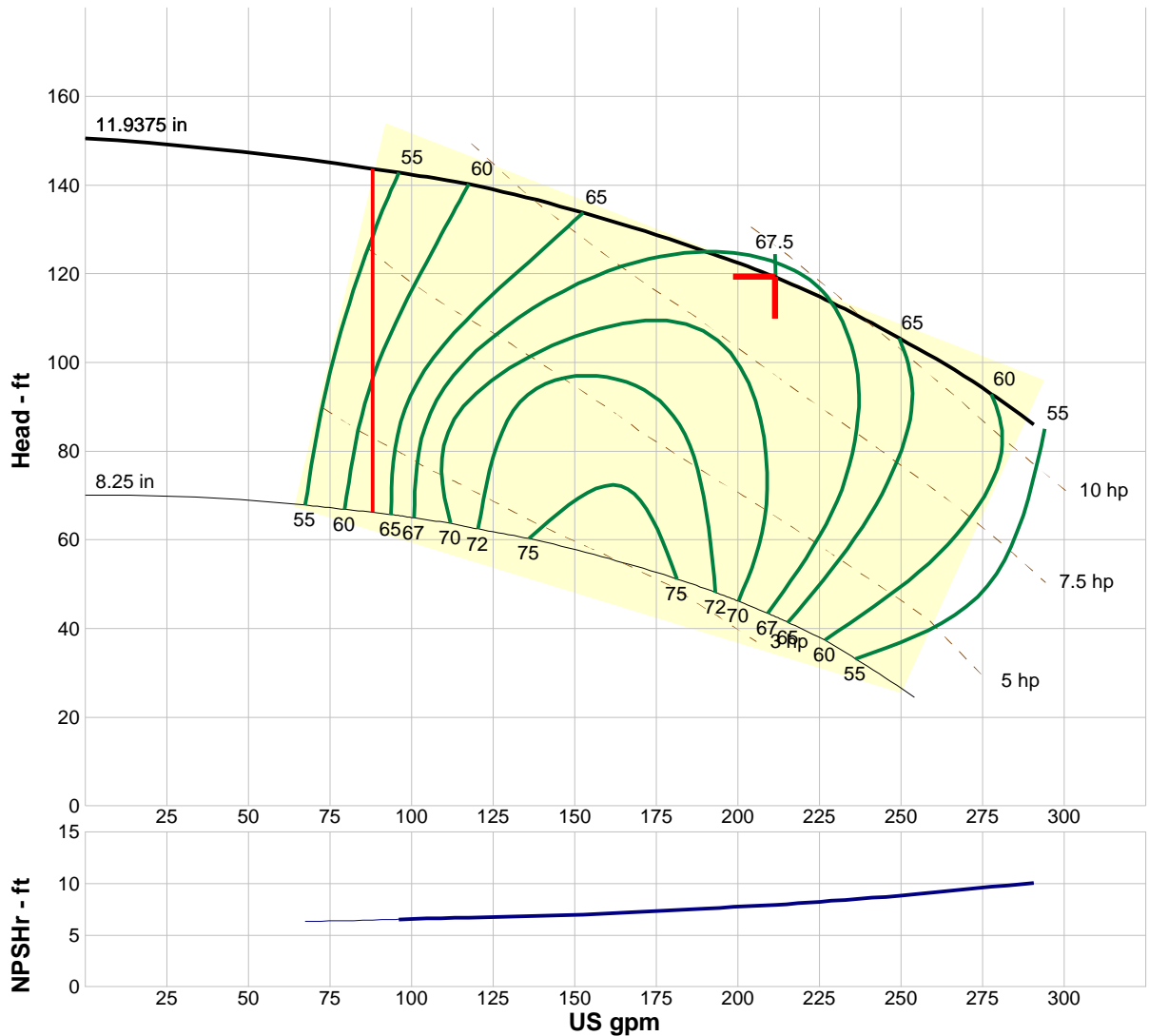
Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 15 hp
 Speed: 1800
 Frame: 254T

Pump Limits:

Temperature: ---
 Pressure: ---
 Sphere size: ---
 Power: ---
 Eye area: ---

---- Data Point ----	
Flow:	212 US gpm
Head:	119 ft
Eff:	68%
Power:	9.43 hp
NPSHr:	7.95 ft
---- Design Curve ----	
Shutoff head:	151 ft
Shutoff dP:	65.1 psi
Min flow:	88 US gpm
BEP:	68% @ 212 US gpm
NOL power:	11.2 hp @ 291 US gpm
-- Max Curve --	
Max power:	11.2 hp @ 291 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
254	1750	103	64	10.3	8.98
212	1750	119	67	9.44	7.96
169	1750	130	66	8.38	7.28
127	1750	138	61	7.2	6.8
84.6	1750	---	---	---	---