



Company: Portable Pumping Systems

Name: Donnie Wendell

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Pump:

Size: 8NNT
 Type: Encl Solids Handling
 Synch speed: 1800 rpm
 Curve: 8NNT18
 Specific Speeds:
 Dimensions:
 Speed: 1780 rpm
 Dia: 12.25 in
 Impeller:
 Ns: 2450
 Nss: ---
 Suction: 8 in
 Discharge: 8 in

Search Criteria:

Flow: --- Head: ---

Fluid:

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

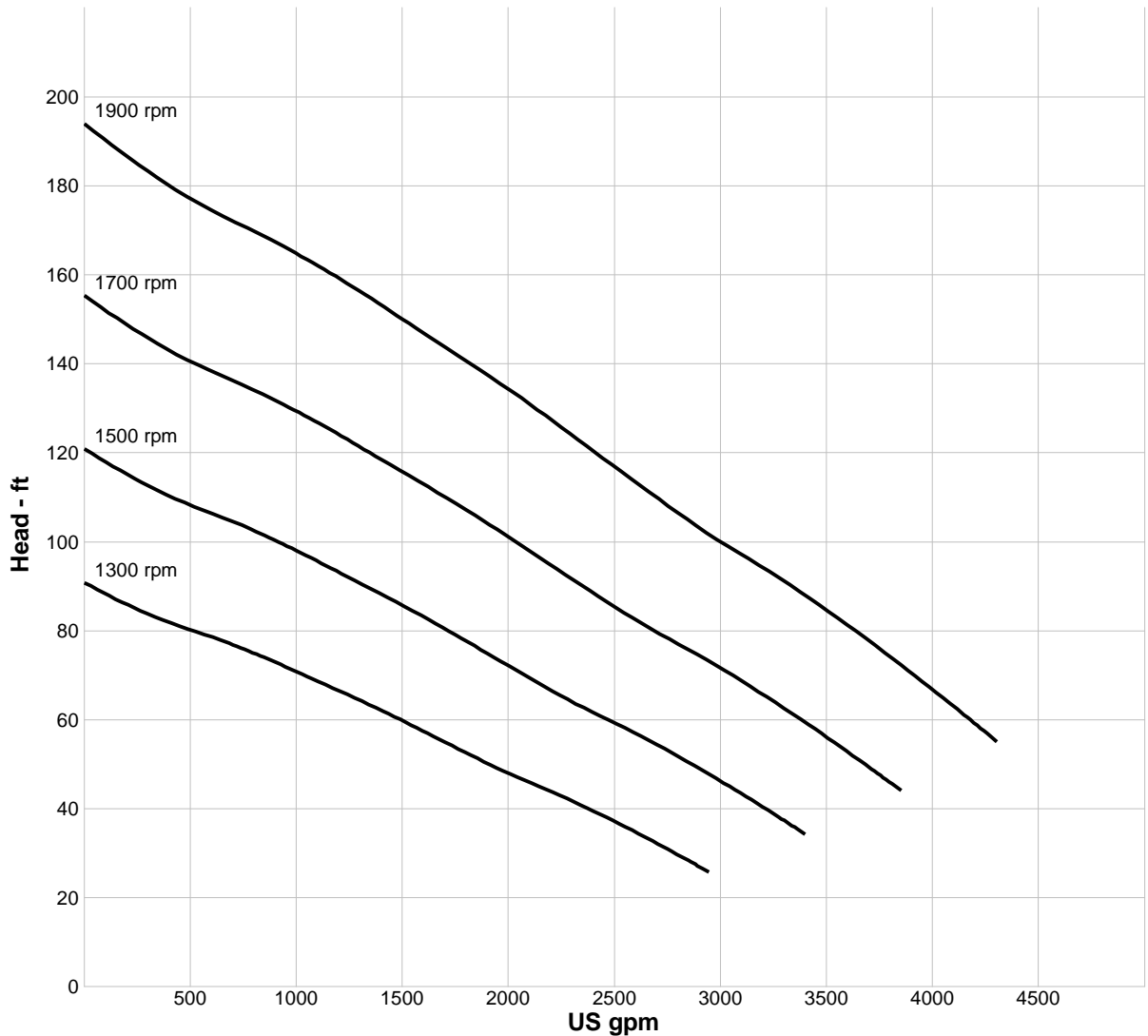
Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 100 hp
 Speed: 1800
 Frame: 405T

Pump Limits:

Temperature: 250 °F
 Pressure: 150 psi g
 Sphere size: 3.38 in
 Power: ---
 Eye area: ---

---- Data Point ----	
Flow:	2702 US gpm
Head:	90.9 ft
Eff:	80%
Power:	77.6 hp
NPSHr:	13 ft
---- Design Curve ----	
Shutoff head:	170 ft
Shutoff dP:	73.7 psi
Min flow:	400 US gpm
BEP:	80% @ 2702 US gpm
NOL power:	79.7 hp @ 3161 US gpm
-- Max Curve --	
Max power:	135 hp @ 4419 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
3869	1780	54.2	70	75.3	14.9
3224	1780	75.9	78	79.4	13.4
2579	1780	94.9	79	77.5	13
1934	1780	116	75	75.4	13.2
1290	1780	135	64	68.7	15.2