

Pump Data Sheet - Summit

Company:
Name:
Date: 06/28/2024



Pump:

Size: SN03A
Type: SN
Synch Speed: Adjustable
Dia: 8.75 in
Curve: ---
Impeller: SN03A-102

Dimensions:

Suction: 3 in
Discharge: 3 in

Fluid:

Name: Water
SG: 1
Density: 62.4 lb/ft³
Viscosity: 1.1 cP
Temperature: 60 °F
Vapor Pressure: 0.256 psi a
Atm Pressure: 14.7 psi a
Margin Ratio: 1

Pump Limits:

Temperature: ---
Wkg Pressure: ---
Sphere Size: 2.5 in

Motor:

Consult Summit to select a motor for this pump.

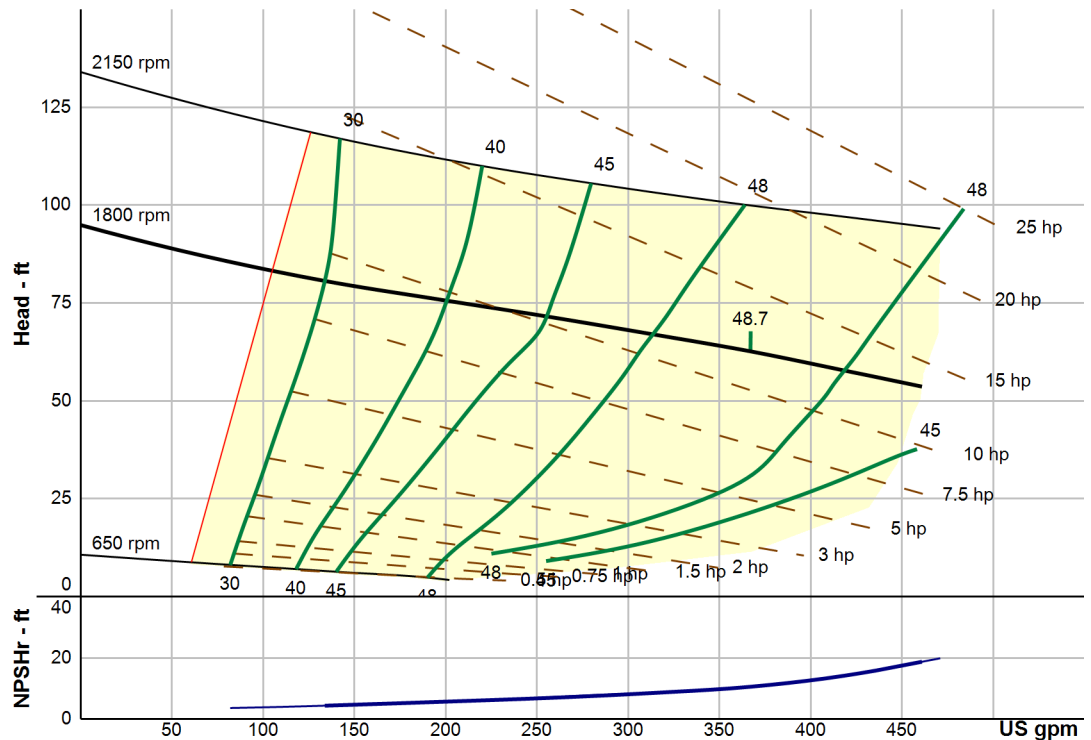
Search Criteria:

Flow: ---
Head: ---
Near Miss: ---
Static Head: 0 ft

Pump Selection Warnings:

None

| --- Duty Point --- | |
|----------------------|----------------------|
| Flow: | 367 US gpm |
| Head: | 62.7 ft |
| Eff: | 49% |
| Power: | 11.9 hp |
| NPSHr: | 10.5 ft |
| Speed: | 1800 rpm |
| --- Design Curve --- | |
| Shutoff Head: | 94.9 ft |
| Shutoff dP: | 41.1 psi |
| Min Flow: | 110 US gpm |
| BEP: | 48.7% @ 367 US gpm |
| NOL Power: | 13.3 hp @ 461 US gpm |
| --- Max Curve --- | |
| Max Power: | 23.3 hp @ 471 US gpm |



Performance Evaluation:

| Flow US gpm | Speed rpm | Head ft | Efficiency % | Power hp | NPSHr ft |
|----------------|--------------|------------|-----------------|-------------|-------------|
| 443 | 1800 | 55.4 | 47 | 13.1 | 16.8 |
| 369 | 1800 | 62.5 | 49 | 12 | 10.7 |
| 295 | 1800 | 68.5 | 47 | 10.8 | 7.99 |
| 221 | 1800 | 74.1 | 42 | 9.83 | 6.14 |
| 148 | 1800 | 79.6 | 32 | 9.18 | 4.65 |