Solar Powered Water Pump Systems

275 GPM, 300 feet

PUMP DATA SHEET

Catalog: 60HZ VERS 1
Pump: SSSC (9 stages)
Type: VERTTURBINE
Synch speed: 3600 rpm
Speed: 3450 rpm
Dia: 3.968 in
Curve no.: ----

Specific Speeds
Ns: 3722
Nss: ---

Dimensions:
Suction: --- in
Discharge: 3 in

Vertical Turbine:
Bowl size: 5 in
Max lateral: 0.562 in
Thrust K factor: 2.5 lb/ft

Pump Limits:
Temperature: --- °F
Pressure: 533 psi g
Sphere size: 0.5 in
Power: --- bhp

Motor: 30 hp
Speed: 3600
Frame: ---
Standard: US
Enclosure: TYPE 1
Sizing criteria: Max Power on Design Curve

--- Data Point ---
Flow: 275 US gpm
Head: 311 ft
Eff: 77.8%
Power: 27.7 bhp
NPSHr: 20.7 ft

-- Design Curve --
Shutoff Head: 447 ft
Shutoff dP: 193 psi
Min Flow: --- US gpm
BEP: 78.1% eff
@ 259 US gpm
NOL Pwr: 27.7 bhp
@ 286 US gpm

-- Max Curve --
Max Pwr: 29.9 bhp
@ 289 US gpm

Pump note: Discharge size also available in 4". Suction size is bell.