

V-Pump Helical Axial Downhole Pump

PUMP OVERVIEW

Electric Submersible Motor driven Helical Axial Pump (V-Pump) offers a robust solution for pumping wells with high sand concentration, high gas volume, heavy oil, and extended operating range.

The Elite Multiphase Pump was specifically designed to provide maximum reliability in harsh environments where centrifugal and PCP pumps are utilized, but often fail.

TYPICAL APPLICATIONS

- ✓ Unconventional wells with high sand concentration
- ✓ Wells with rapid depletion rates
- ✓ Heavy oil wells producing low gravity crude
- ✓ High volume gas production
- ✓ High temperature

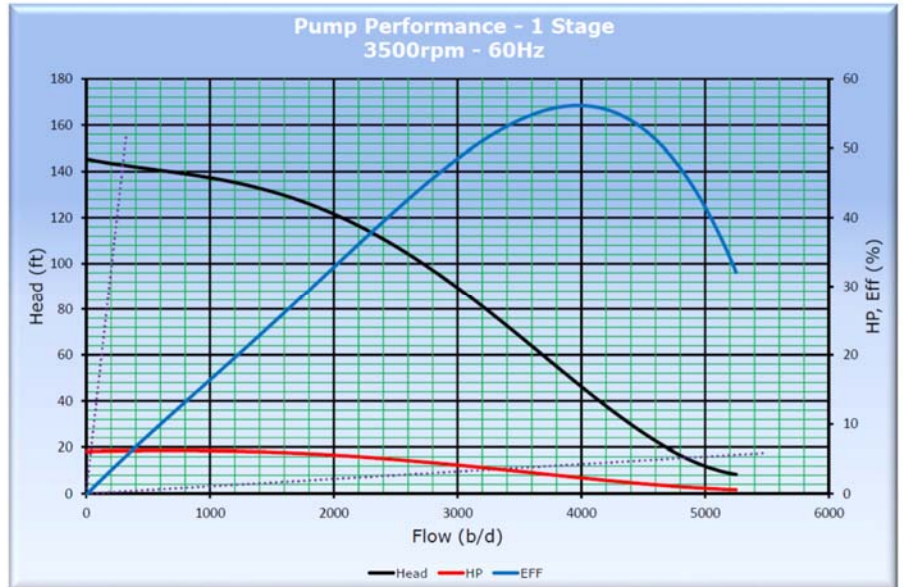


FEATURES & BENEFITS

- ✓ Premium thread connections (industry standard for connection)
- ✓ High pressure housings
- ✓ Ni-resist rotor and stator (industry standard)
- ✓ 1" shaft in 500-K Monel and Inconel
- ✓ Tungsten thrust bearings
- ✓ Can operate and connects to any OEM seal/protector
- ✓ 10 & 20 stage configurations for easy assembly complete with intake and discharge
- ✓ No sand filter required with pump
- ✓ No gas separator required with pump

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Pump Curve Example



TECHNICAL DATA

	538 Series	400 Series
Optimum Operating Range	900-4500 BPD	300-3500 bpd
Minimum Casing size	7"	5 1/2"
Shaft Diameter	1.0"	7/8"
Thrust load/stage at shut-in	131.04 lbs	42.53 lbs
Shaft limit @ 60 hz		
Standard	380 Hp	260 Hp
High Strength	625 Hp	425 Hp
Pump Weight		
10 stage	620 lbs	517 lbs
20 stage	1010 lbs	725 lbs
Pump Length		
10 stage	16.1 ft	14.8 ft
20 stage	22.0 ft	20.5 ft
Sand Concentration	50,000 ppm	50,000 ppm
GVF before separation	75%	65%
Fluid Specific Gravity	1	1
Rotation Direction	CCW Only	CCW Only