

Diesel Configuration:

Model 4VAWP-Iz3-C3-F(W)

Isuzu 3CH1 EPA Final Tier 4 liquid cooled diesel engine, 18 cont. hp @ 2100 rpm

Full instrument panel with safety shutdowns

The ideal pump for small dewatering projects:

- Utility line connections
- Utility line repairs
- Small tank installations
- Swimming pool installations
- Lift station installations
- Wellpoint systems
- Sock underdrain

Electric Configuration:

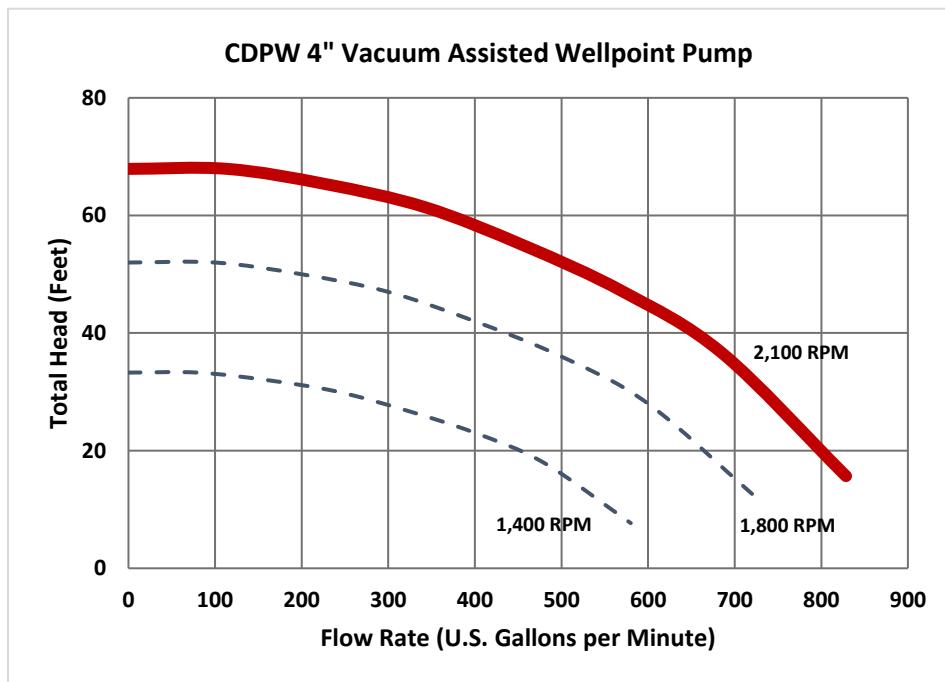
Model 4VAWP-E20-C3-F(W)

20 HP, 1800 rpm, 460 volt, 3 phase TEFC motor
23.7 FL Amps @ 460 volts, 1.15 SF

NEMA control panel with external disconnect, fuse block, magnetic contactor, adjustable overload

Specifications:

- 830 GPM cast iron centrifugal pump
- 6" Suction x 4" Discharge
- up to 24' suction lift
- C3 vacuum pump, 65 cfm air handling, air cooled
- Closed loop vacuum oil recovery system with intercooler
- Air/water separation tank with peeler valve assembly
- Integral fuel tank / frame, 52-gallon capacity
- Single point lifting bale
- Optional: wheel mount with highway lights, fenders



"The finest dewatering pumps and wellpoint equipment since 1923"

Complete Dewatering 4VAWP-Iz3-C3-F(W)

4" Vacuum Assisted Wellpoint Pump

SPECIFICATIONS

(All specifications subject to change without notice)

Pump Component

Make: Complete Dewatering
 Model: CW4, 4" end suction centrifugal, long coupled
 Casing: Cast Iron
 Impeller: Semi-open 7.00", 5-vane, bronze
 Seal: Carbon / Ceramic
 Coupling: Long coupled, doughnut type elastomeric element
 Suction, Discharge: 6" x 4" nominal straight pipe, cam-lock or Bauer fittings optional

Performance:

Pumping Capacity: to 830 gpm (3140 l/m)
 Head Capacity: to 68' (20.7 m)
 Suction Lift: to 24' (7.3 m)
 Solids Capacity: to 1-1/8" spherical (2.85 cm)

Diesel Engine

Make / Model: Isuzu 3CH1
 John Deere/Hatz/Kohler/Yanmar also available
 Emissions: EPA Final Tier 4
 Type: 3-cylinder liquid cooled diesel, naturally aspirated
 Horsepower: 18hp continuous at 2100 rpm
 Control Panel: Murphy digital control panel with engine rpm, oil pressure, coolant temperature, voltage, hour meter, and electronic throttle control, safety shutdowns on critical engine conditions.
 Fuel Filters: Dual fuel filter system with fuel/water separator

Vacuum System

Vacuum Pump: Complete C3-OF rotary vane, air cooled, oil lubricated
 Air Handling: 65 cfm (alternate; C5 vacuum pump 130 cfm)
 Lubrication: Single point oiler w/ closed loop vacuum pump oil recovery system
 Oil capacity: 16 quarts, SAE 30 non-detergent
 Vacuum system: Suction priming constant vacuum system with a large steel air/water separation tank, stainless steel peeler valve float mechanism, manifold trap moisture capture system, vacuum oil recovery tank w/ stainless steel vacuum oil demist element.

Frame

Type: Integral fuel cell / frame
 Material: 8" x 1/4" steel box tube, welded and pressure tested
 Fuel Capacity: 52 gallons (197 liters); approx. 24 hours run time between refueling. Can also be used with an auxiliary fuel tank.
 Clean out ports: (4), one on each corner
 Fuel Gauge: Mechanical dial
 Fuel filler: 4" filler neck with lockable cap, sediment screen
 Battery hold-down: External, lockable bar
 Lifting bale: Single point, balanced
 Paint: Epoxy primed and painted with an industrial grade enamel. Custom colors are available.

Wheel Mount Option

Axle: Single axle, 3500# rated Torflex torsion axle.
 Tires: 225/75/R15, Highway rated, load range D
 Fenders: Steel bolt on replaceable
 Tow Hitch: To match your towing vehicle (ball, pintel, lunette eye) with safety chains
 Leveling: Drop down posts on all corners of the pump, front wind-down jack stand
 Brakes (optional): Hydraulic surge or electric with battery backup and charger

Dimensions

Frame Mount: Length 6.3' (75", 191 cm)
 Width 3.3' (40", 102 cm)
 Height 5.0' (60", 153 cm)
 Weight 2200 lbs. (1000 kg)
 Wheel Mount: Length 10.0' (120", 305 cm)
 Width 6.7' (80", 202 cm)
 Height 6.0' (72", 182 cm)
 Weight 2500 lbs. (1130 kg)

Options

Increased fuel capacity
 Vacuum pump upgrade
 "Whisper Pack" full or partial enclosures

Warranty

CDPW Inc. warranties the entire unit for one year parts and labor against defects in product or workmanship. Engine warranties are carried by the manufacturer and may exceed one year.