

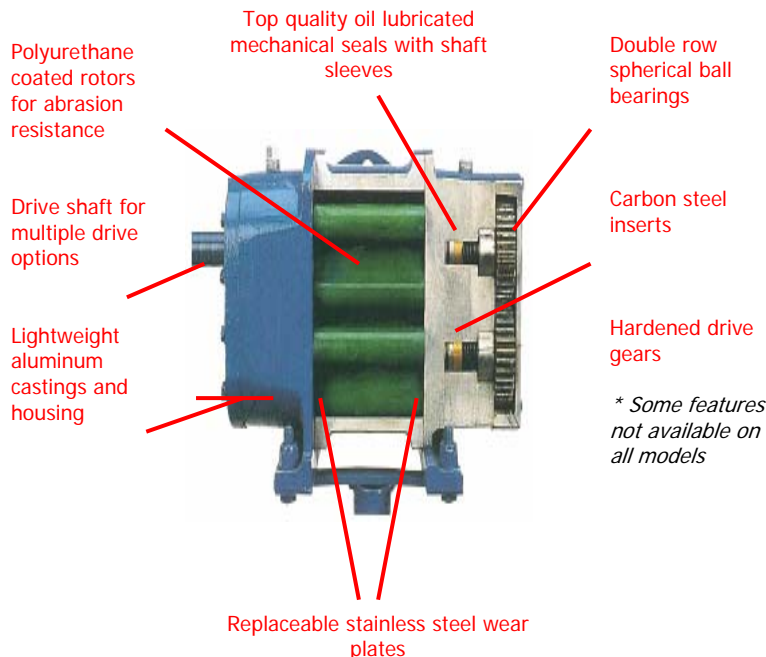
8" Rotary Wellpoint Pump

8RW-DJDS-4045D

The Thompson Rotary Wellpoint Pump is the "original" rotary wellpoint pump trusted by contractors worldwide for more than 30 years. The state-of-the-art 8RW-DJDS-4045D is specifically designed and engineered for wellpoint and sock dewatering with high air handling, large water volume and high vacuum capability.

Features

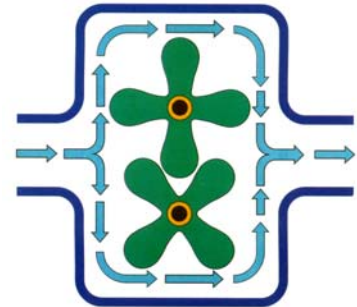
- Self-priming
- Unassisted priming and automatic re-priming
- High vacuum of up to 29" Hg capacity
- High displacement volume of up to 400-cfm
- Engine speed can be lowered without losing vacuum
- One pump handles both air and water
- Positive displacement with constant suction



Applications

- Wellpoint and underdrain sock dewatering
- Trench dewatering
- Filtered water transfer
- Remediation
- Sewer pipelines
- Lift stations
- Head walls
- Cofferdams
- Elevator pits
- Foundation structures
- Dams
- Borrow pits

Working Principle



The Thompson Rotary Wellpoint Pump produces constant suction as the rotors separate. The water is directed over and under the rotors and out the discharge.

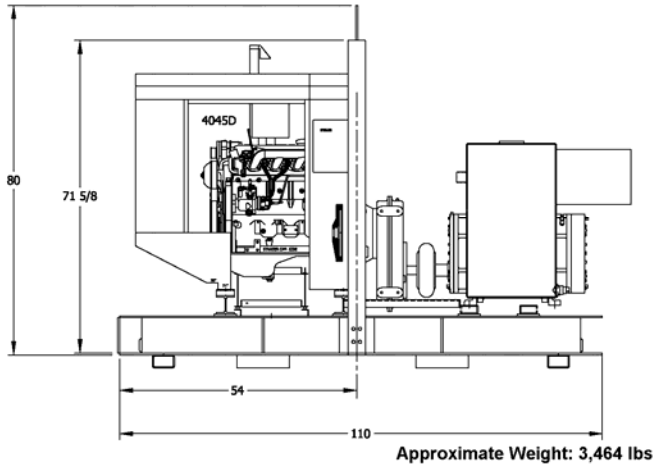
Clearances are not a factor due to the use of suction and discharge priming tanks. The polyurethane rotors and the stainless steel wear plates offer abrasion and corrosion resistance while the steel inserts provide strength and durability.



8" Rotary Wellpoint Pump 8RW-DJDS-4045D



8RW-DJDS-4045D Dimensions



Materials of Construction

- Type:** Positive displacement, low-pulsation, self-priming, rotary lobe
- Rotor:** Four-lobe, single piece design with carbon steel shaft and welded carbon steel fins with polyurethane coating
- Rotor Housing:** Rugged, heavy-duty cast aluminum
- Mechanical Seal:** Oil or grease lubricated with bronze rotating and steel stationary faces
- Suction Tank:** A36 steel with permanent solids screen, 1-1/2" drain port, adjustable vacuum breaker valve and vacuum gauge for system diagnostics
- Discharge Tank:** A36 steel with canvas reinforced neoprene weighted flapper style check valve; built-in reservoir with pressure relief and 1-1/2" drain port
- Wear Plate:** Replaceable, 304 stainless steel
- Bearings:** Heavy-duty, oil bath-pressure lubricated, cylindrical roller type

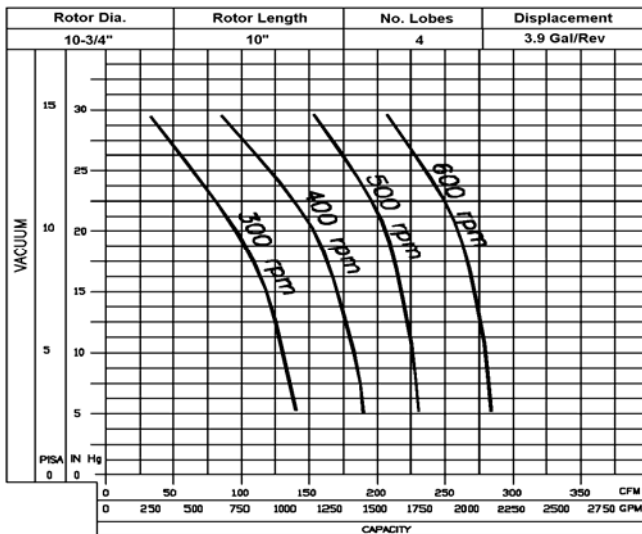
Engine Specifications

- Engine:** John Deere 4045D, 62 hp @ 1,800 rpm
- Type:** 4-cylinder, in-line, 4-cycle, water-cooled, natural aspiration, direct-injected, Tier II diesel
- Standard Equipment:** Alternator, radiator, muffler and exhaust stack with rain protection
- Displacement:** 276 cubic inches
- Fuel Economy:** .379 lb/hp-hr @ 1,800 rpm
- Safety Shutdowns:** High coolant temperature; Low oil pressure

8RW-DJDS-4045D Performance Curve



Capacity vs. Vacuum Curve



Unit Specifications

- Fuel Tank Capacity:** 65 US gallons
- Fuel Consumption:** 1.5 gph
- Maximum Operating Speed:** 500 rpm (pump)
- Maximum Operating Temperature:** 212°F
- Maximum Operating Pressure:** 65 psi
- Maximum Suction Lift:** 29 in Hg
- Maximum Casing Pressure:** 65 psi

In the interest of product improvement, Thompson Pump & Manufacturing reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity, Head and Pump Curve are for comparative purposes. Consult engineering data for exact capabilities.
4620 City Center Drive, Port Orange, FL, 32129, USA (800) 767-7310 * Fax (386) 761-0362

Email: sales@thompsonpump.com * www.thompsonpump.com

