



# IndustrialQUIP

## SPECIFICATIONS

### **10"X8" DRY PRIME BOOSTER PUMP**

#### **Model 8NHTH-RP-DC13-T250**

#### **Vacuum Assisted, Engine Driven, Heavy Dry Prime Pump**

#### **Pump Specifications:**

- Pump size: Cornell 8NHTH - 10"X 8" ANSI 125# flanges standard
- Suction Cover: ASTM A536-72 Ductile Iron
- Wear Ring: ASTM A48 class 30 gray iron
- Volute Casing: ASTM A536-72 Ductile Iron
- Backplate: ASTM A536-72 Ductile Iron
- Bracket: ASTM A48 class 30 gray iron
- Mechanical Seal: Tungsten vs. Silicon Carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, seal system designed for dry running
- Impeller: Enclosed type, two vane, high pressure, w/4 inch spherical solids handling capability. ASTM A536-72 Ductile Iron.
- Bearing Housing: ASTM A48 class 30 gray iron
- Pump-end Bearing: Single row ball – 6313-C3
- Drive-end Bearing: Single row ball – 6313-C3
- Shaft: 17-4 PH corrosion resistant.
- Lip Seals: CR type, single lip: Bearings, SAE cover - Buna-N, Seal gland – Viton
- 50 CFM diaphragm vacuum pump used for priming.
- Separator Spool: ASTM A48 class 30 gray iron
- Air/Water chamber: Chamber designed to separate air and water before entering the pump case
- Discharge check valve: Swing type, cast iron w/Buna-N disc (Viton optional)

**Optional Equipment and Materials:** Stainless Steel & CD4MCU

#### **Engine Specification:**

- Model: Scania DC13 Final Tier 4
- 550 intermittent horsepower @ 2100 RPM
- Six cylinder, four cycle, water cooled diesel engine
- Governor: Electronic
- Lubrication: Force Feed
- Air Cleaner: Dual stage, filter element
- Fuel Tank: 250 US gallons
- Run time: Full load (2100 RPM) > 8 hours
- Starter: 12 volt electric



**Standard engine features:** Safety shutdown switches for low oil pressure and high temperature. Instrument panel with temperature and oil pressure gauge, ampmeter, hourmeter and tachometer. Muffler with rain cap. Engine to pump coupling: SAE1 housing with 14" rubber disc drive.

**Standard Skid:** Heavy duty powder coated fabricated steel frame. Integral fuel tank, lifting bale, lockable fuel tank, and two 2" clean-out/drain plugs

**Standard Trailer:** Heavy duty powder coated fabricated steel frame, integral fuel tank, fenders, lifting bail, lockable fuel cap, dual 8000# Anti-torsional axles, two (2) front adjustable leveling jacks and two (2) rear adjustable leveling jacks, two 2" clean-out plugs, fuel gauge, adjustable height tongue with easy conversion from ball hitch to Lunette eye

**Trailer Options:** DOT light package, work lights, special tires & wheels, diamond plate fenders, surge brakes, lockable enclosed instrument panel, lockable enclosed engine housing, storage box, hose rack, and suction/discharge manifolds.



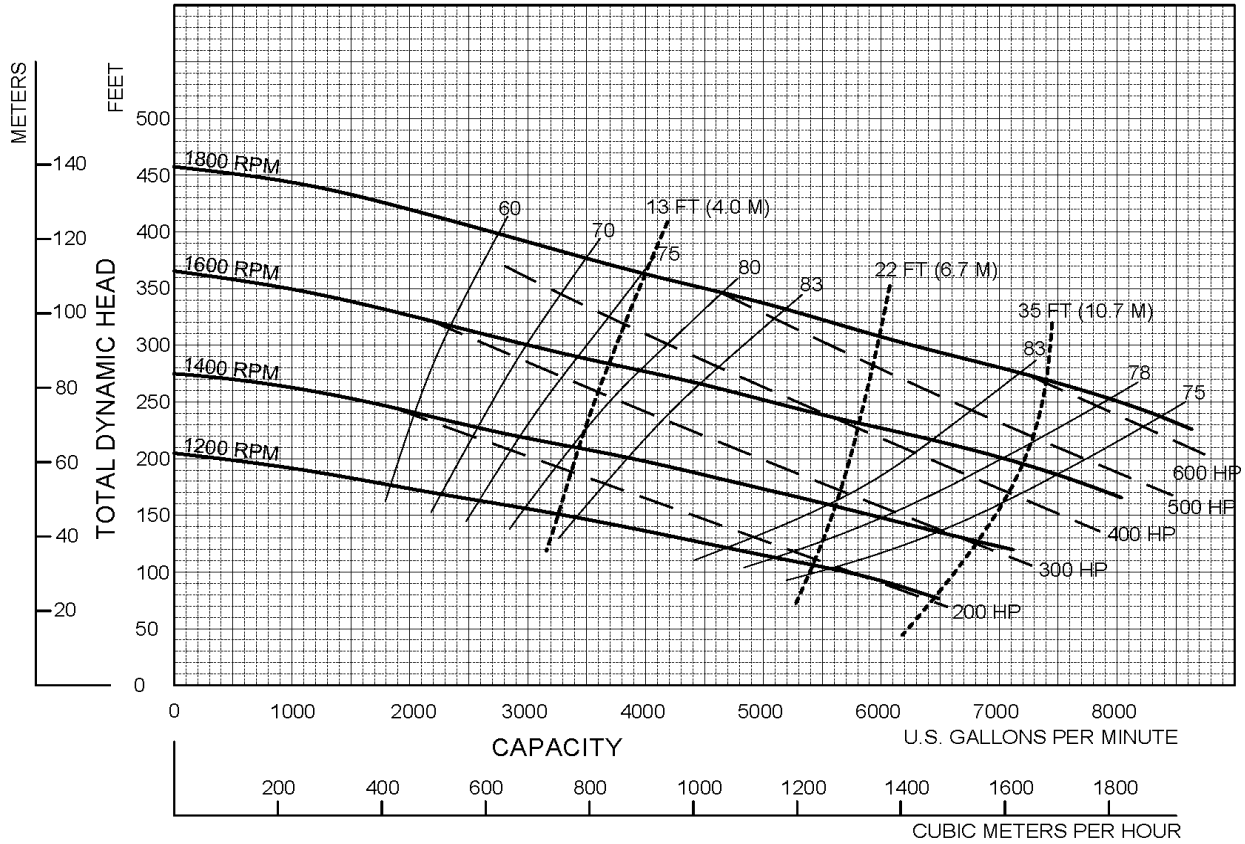
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Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	20.0"	ENCLOSED	4"	1750	10"	8"	2

DOUBLE VOLUTE

MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, frame mounted configuration with Cycloseal®. Other liquids, seal arrangements or mounting configurations may require performance adjustments.

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Cornell Pump Company • Portland, Oregon

8NHTH -VARIOUS RPM