A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

### OPERATING LEVELS

| MIN FLOW | 50 GPM | 3.15 L/S |
| MAX FLOW | 236 GPM | 14.8 L/S |
| DISCHARGE SIZE | 2.5” | 63.5 mm |
| SUCTION SIZE | 5” | 127 mm |
| MAX SPEED | 1800 RPM | 1800 RPM |
| MIN PRESSURE | 28 PSID | 193 kPa |
| MAX PRESSURE | 67 PSID | 462 kPa |
| MIN NPSHR | 1.5’ | 0.46 m |
| BEP HEAD | 56 PSID | 386.1 kPa |
| BEP FLOW | 200 GPM | 12.6 L/S |
| BEP PERCENT | 45% | 45% |

### STANDARD MATERIAL (ALL IRON)

- **IMPELLER**: CAST IRON
- **VOLUTE**: DUCTILE IRON
- **SHAFT**: 304 STAINLESS STEEL
- **VALVE**: FORGED STEEL
- **O-RINGS**: NEOPRENE
- **MOTOR**: CAN 316 SS WITH CARBON-GRAFITE BEARINGS

The 2.5HT Hermetic Refrigeration pump is designed with Cornell’s renowned quality and durability. It features a 2.5” discharge, a 5” suction, and an enclosed impeller. The four-pole motor is totally enclosed, and liquid cooled. The single stage impeller enhances NPSHr characteristics throughout the entire operating range. Bearings are replaceable, carbon-graphite material, and of a hydrodynamic design.

- Excellent NPSHr
- 1800/1500 RPM operation speeds for reduced wear
- Flange to flange drop-in replacement for Cornell Open Drive Pumps
- Built-in bearing condition indicator
- CSA-Approved motor
- Three-year warranty
- Enhanced vapor handling abilities
- Heavy Duty Construction
2.5HT

**Speed** | **Impeller Dia.** | **Style** | **Solids Dia.** | **N_S** | **Suction** | **Discharge** | **SG**
---|---|---|---|---|---|---|---
1720 | VARIOUS | ENCLOSED | .44 | 485 | 5" | 2.5" | 0.7

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**Footnotes:**
- Feet \(\times 0.305 =\) Meters
- Inches \(\times 25.4 =\) Millimeters
- GPM \(\times 0.227 =\) Cubic Meters/Min.
- GPM \(\times 3.785 =\) Liters/Min.
- HP \(\times 0.746 =\) KW

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**Title:** Cornell Pump Company | Clackamas, OR 97015 USA  | www.cornellpump.com | P: +1 (503) 653-0330 | F: +1 (503) 653-0338

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**Diagram:**
- Single Volute
- Mounting Configuration: CC
- Graph showing pressure (PSI), total dynamic head, capacity (GPM), and cubic meters per hour (M3/Hr)

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**Details:**
- 2.5HT - 1800 RPM - 0.7 SG

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**Additional Information:**
- DS25HT-140917

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