



PROVAC

SALES

PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

Leybold TMP-450, 450C

Technical Specifications

| Performance Characteristics | 160 ISO-K/CF160 | 6-in. ASA |
|---|---|-------------------|
| Pumping Speed (Volume flow rate) | | |
| for N ₂l/sec | 450 | 500 |
| for He.....l/sec | 400 | 440 |
| for H ₂l/sec | 310 | 350 |
| Compression Ratio | | |
| for N ₂ | 4 x 10 ⁸ | |
| for He..... | 4 x 10 ³ | |
| for H ₂ | 630 | |
| Ultimate Pressure.....mbar | <10 ⁻¹⁰ | <10 ⁻⁹ |
| Rotational Speed.....RPM | 24,000 | |
| Start-Up Time.....min | 5 | |
| Oil Filling.....cm ³ | 100 | |
| Cooling Water Consumption.....l/hr (gal/hr) | 30 (8) | |
| Cooling Water Pressure.....psig | 40 | |
| Cooling Water Connection, Hose Nozzle...in (mm) | 7/16 (11) | |
| Fore Vacuum Port.....KF | 40 | |
| Bake-Out Temperature (pump neck).....°C | 120 | |
| Mounting Position, TMP450..... | Vertical ±5° | |
| Vibration Velocity.....mm/sec | 0.5 | |
| Weight.....lb (kg) | 66 (30) | |
| Recommended Backing Pump.....Model (CFM) | D40B (28.3) | D40B (28.3) |
| w/Inert Gas Purge.....Model (CFM) | - | D65B (45.9) |
| Standard Specifications | | |
| Flange Configurations..... | 160 ISO-K CF160 6-in. ASA | |
| Lubrication..... | HE500 for Standard Applications HE1200 (PFPE) for Corrosive Applications | |
| Frequency Converter..... | NT450 | |