200 l/min • 7 CFM • 12 m³/hr. Two Stage Rotary Vane Vacuum Pump

Photo shows Pump with optional inlet trap and exhaust mist eliminator installed. See pages 15 and 18 to order these accessories. Power on/off switch, resettable circuit breaker and line cord are standard on pumps shipped with single phase motors.

Pumping Speed @ 60 Hz 200 l/min, 7.0 CFM, 12 m³/hr.
Pumping Speed @ 50 Hz 166 l/min, 5.8 CFM, 10 m³/hr.
Ultimate Pressure Gas Ballast Closed 5x10⁻⁴ Torr, 6.7x10⁻⁵ Pa, .0006 mbar
Ultimate Pressure Gas Ballast Open 5x10⁻⁵ Torr, 6.7 Pascal, .06 mbar
Standard Motor, On/Off Switch, Circuit Breaker, & Thermal Protection 115/208-230V, 1 phase, 1/2 hp, 60 Hz (50Hz Avail)
CE Mark, complies with Machinery Directive 98/37/EC
Optional Motors See ordering information
Power Connection 6 ft. (2 m) 3 conductor cord
Motor speed @ 60 Hz 1700 r.p.m.
Noise Level 50 dB
Water Vapor Tolerance 25 mbar, 19 Torr
Oil capacity 600 cc, 0.63 Qt.
Weight Net: 50 lbs., 23 kg Shipping: 54 lbs., 24 kg
Intake & exhaust type/diameter NW-25 standard (NW-16 or 26 mm O.D. Tube optional)
Ambient operating temperature 7° to 40°C, 45° to 104°F

Features
• Extremely Quiet • Anti Suck Back Design
• Satisfaction Guaranteed • Two Year Warranty
• Virtually Vibration Free • Motors for Any Voltage
• Complies with Machinery Directive 98/37/EC

Applications
• Backing Turbo Pumps • Electron Microscopes
• Vacuum Ovens & Furnaces • Freeze Dryers
• Cluster Tool Load Locks • Sputter & Deposition Systems

Typical Installation
Flexible Stainless Steel Belows or Hose to connect the pump to your vacuum chamber. See Page 19
Foreline Traps to minimize backstreaming of oil vapor into your system. See Page 15

Aluminum or Stainless Steel Valves to keep pump at high vacuum when your chamber is vented. See Valve Catalog

Ordering Information
MODEL 200-7 Vacuum Pump With Motor:
Note: Tolerance is ± 10% of nominal value for all voltages.
100 or 200V, 50 or 60 Hz, 1 phase, 0.4 kw (1/2 hp)
p/n 200-100/200-50/60 or 200-100/200-50/60-NW16 ........ $2162
115 or 208 to 230V, 60 Hz, 1 phase, 0.4 kw (1/2 hp)
Full load amps: 8.5 or 4.5 to 4.0 amps
p/n 200-115/230-60 or 200-115/230-60-NW16 ................ $2162
115 or 230V, 50 or 60 Hz, 1 phase, 0.4 kw (1/2 hp)
Full load amps @ 50 Hz: 8.8 or 4.4 A @ 60 Hz: 7.2 or 3.6 A
p/n 200-115/230-50/60 or 200-115/230-50/60-NW16 ........ $2162
230 or 380V, 50 or 60 Hz, 3 phase, 0.4 kw (1/2 hp)
Full load current: 1.82 or 1.3 A
p/n 200-OPT-380-50/60 or 200-OPT-380-50/60-NW16..... $2162
230 or 460V, 60 Hz, 3 phase, 0.4 kw (1/2 hp) Full load current: 1.8 or 0.9 A
p/n 200-230/-460-60 or 200-230/-460-60-NW16.............. $2162
Exhaust Mist Eliminators .................................................................................... See Page 18
Optional NW-16 Inlet & Outlet .............................................................................. $57
Fomblin: For pumps filled with Fomblin PFPE fluid YL VAC 16/6
add to p/n “Fomblin” and increase the price to .................................................. $2831

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