



**Rotor Dimensions**

- (A) Maximum diameter over drive 50 inches (1270 mm)
- (B) Maximum diameter over bed 63 inches (1600 mm)
- (C) Maximum distance between support bearings centerlines 31 inches (787 mm) using one bed  
 Minimum distance between support bearings centerlines unlimited using two beds (optional)
- (D) Journal diameters on standard bearing set Outboard: 4 inches (102 mm)  
 Inboard: 9 inches (229 mm)  
 1" (25.4 mm) with optional fixture  
 1/8 to 13 in. (3.2 to 330 mm)

**Machine Base**

- (E) Base length 72 inch (1829 mm)
- (F) Base Width 32 inch (813 mm)
- (G) Width (Including drive) 50 inches (1270 mm)

**Rotor Mass and Unbalance Limitation**

- Maximum Weight 1,000 lbs. (454 Kg)
- Minimum Weight 1 lb. (.454 g)
- Maximum Weight per Support 720 lbs. (327 Kg)
- Maximum Overload per Support 750 lbs. (341 Kg)
- Maximum indicated sensitivity per Plane (instrument readout capability) .0001 ounce-inch  
 .03 gram-inch
- Maximum Achievable Residual Unbalance .0084 ounce-inch total  
 .0042 ounce-inch/plane  
 under ideal rotor conditions but not to exceed  
 .000005 inches mass center displacement
- Maximum Unbalance reduction per Run 95%
- Shipping Weight 1200 lbs. (544 Kg) (pallet)  
 1550 lbs. (703 Kg) (crate)

**Motor & Control**

- Variable Frequency AC Drive with programmable acceleration/deceleration patterns
- DC Injection breaking 0.1 to 240 Hz Output
- Rated horsepower 1 hp at 1800 RPM (1.5 Kw)
- Speed Range 10 to 4000 RPM
- Power Required 200 to 230 Volt, 3 phase 60 Hz  
 or 380 to 460 Volt, 3 phase 50/60 Hz Optional
- Recommended Balancing Speed 150-4000 RPM