

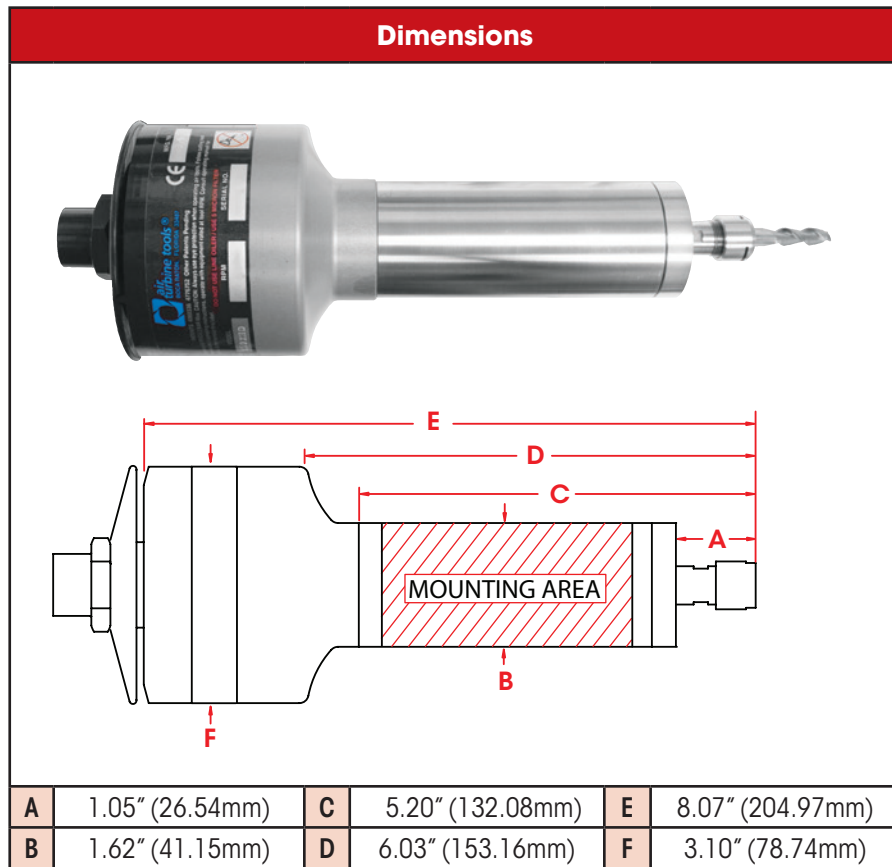
450XHD - Unsealed Motor Mount Series



The powerful **450XHD**'s double front and double rear ceramic bearings assure durability in 24 hour operations. The **450XHD**'s sealed front-end prevents wet or dust contamination from getting inside the motor.

This patented double turbine motor operates at governed speeds of 25,000, 30,000 or 40,000 rpm with power to 1.4 hp / 1.04 kW. Ideal for routing composites, plastics or wood and deburring, finishing or drilling metal at constant high speed.

The rigid 41 mm O.D. steel barrel is easily fixtured for automation or combined with an end effector.



| 450XHD Series | | | |
|----------------------|--------|-------------------|--------|
| ER11 - 1/4" | | ER11 - 6mm | |
| Speed RPM | Part # | Speed RPM | Part # |
| 25,000 | 34456 | 25,000 | 34457 |
| 30,000 | 34458 | 30,000 | 34451 |
| 40,000 | 34460 | 40,000 | 34460 |

| Accessories | |
|----------------------------------------------------|--------|
| Model | Part # |
| High Flow Filter Regulator Extractor with 1/2" NPT | 30084 |
| 6' Air Supply Assembly w/Fitting | 30012 |

| General Specifications | 450XHD |
|----------------------------------------|------------------------------------|
| Speed RPM | 25,000 / 30,000 / 40,000 |
| Power Rating hp (kW) | 1.2 (.90) / 1.3 (.98) / 1.4 (1.04) |
| Inlet Air Pressure | 90 PSI (6.2 Bar) |
| Air Consumption Idle cfm (l/s) | 25 (11.80) |
| Air Consumption Working Flow cfm (l/s) | 26 (12.27) - 50 (23.60) |
| Sound Level | Less Than 78 dBA |
| Max Shank Capacity | ER 11 - 1/4" (6mm) |
| Motor Weight | 48 oz (1.36 kg) |

| Standard Equipment |
|------------------------------------------------------------------------------------------------------------------------------------|
| Motor, ER 11 collet system (1/4" or 6mm collet standard - other sizes optional), collet wrenches, and 3/8" NPT air supply fitting. |
| Oil free 90PSI / 6.2BAR, clean, dry air supply required |
| Ceramic and angular contact bearing options available. |

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Use couplings / hoses with a minimum ID of 5mm for 720, 722, 730 and 732 motors, a minimum ID of 1/4" / 6mm for 202 motors, a minimum ID of 6.5mm for 725MX and 740MX motors, a minimum ID of 8mm for 450, 460 and 740XP motors, a minimum ID of 3/8" / 9.5mm for 210 motors and a minimum ID of 10mm for 450X and 460X motors. Always use a 0.3 micron filter and/or extractor where required and check specified psi or l/s air flow. Use 90 psi / 6.2 Bar clean, dry, oil-free air only. Use eye protection and follow safety instructions. Supply is subject to Air Turbine Tools Inc. terms and conditions of sale and distributor policies in effect for the time being. Subject to availability, change of specifications, price and terms without notice. All specifications approximate. Air Turbine Motors® is the registered trade name of Air Turbine Tools, Inc. © 2017 Air Turbine Tools, Inc. All rights reserved.