

450XHD

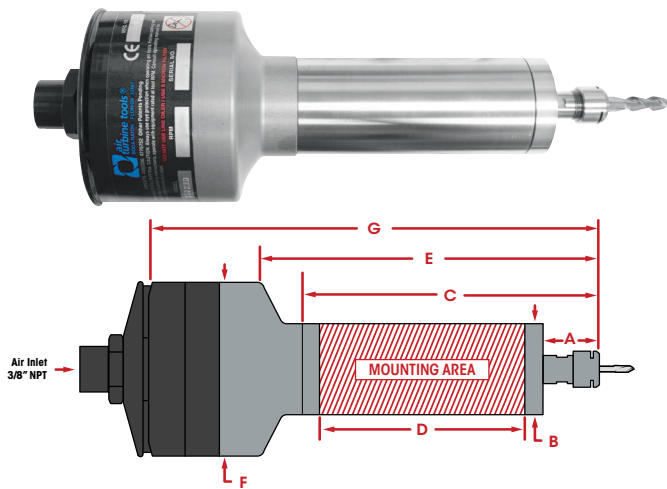
Heavy Duty Motor Mount Series



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.

Mountable area of Ø 41.15mm OD by 63.5mm. Ceramic and angular contact bearing options available.

450XHD Dimensions



All fittings, couplings, and hoses must have a minimum of 12mm internal diameter.

A	1.05" (26.54mm)	D	2.50" (63.5mm)	F	Ø 3.10" (79.74mm)
B	Ø 1.62" (41.14mm)	E	6.03" (153.16mm)	G	8.07" (204.97mm)
C	5.20" (132.08mm)				

450XHD Specifications

Speed RPM	25,000	30,000	40,000
Power Rating hp (kW)	1.2 (0.90)	1.3 (0.98)	1.4 (1.04)
Inlet Air Pressure	90 PSI (6.2 Bar)		
Air Consumption Idle cfm (l/s)	14 (6.61)	20 (9.44)	23 (10.85)
Air Consumption Working Flow cfm (l/s)	19 (8.97) - 40 (18.89)		
Air Hoses and Fittings Minimum Size	12mm ID		
Sound Level	Less Than 78 dBA		
Max Shank Capacity	ER 11 - 1/4" (6mm)		
Motor Weight	48 oz (1.36 kg)		

450XHD Series Part Numbers

ER11 - 1/4"		ER11 - 6mm	
Speed RPM	Part Number	Speed RPM	Part Number
25,000	34456	25,000	34457
30,000	34458	30,000	34459
40,000	34460	40,000	34461

Accessories

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

Equipment Included

- 450XHD Motor
- ER 11 Collet System (1/4" or 6mm)
- Collet Wrenches
- 3/8" NPT air supply fitting

Standard Equipment

ER 11 Collet System (1/4" or 6mm collet.)

Oil-free 90 psi / 6.2 bar clean, dry air supply required.

Tel:+1.561.994.0500 • www.airturbine.com • ask@airturbine.com

Supply is subject to Air Turbine Technology Inc. (ATT) distributor policies and upon terms and conditions contained in the ATT distributor agreement. Subject to availability, change of specifications, price and terms without notice. Always use a 0.3 micron filter/extractor and check specified air flow. 6.2 Bar / 90 psi clean, dry, oil-free air only. Use eye protection and follow safety instructions. All specifications approximate. © 2024 Air Turbine Technology, Inc. All rights reserved.