

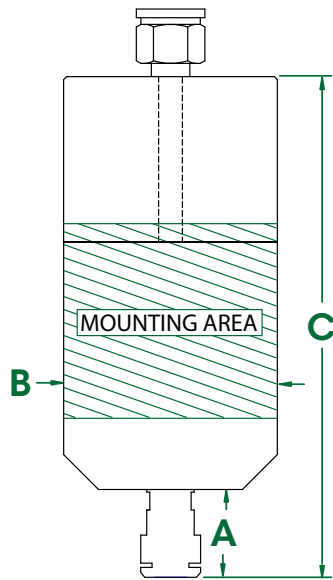
625XVS-NS - Variable Speed Spindle Series



The **625XVS-NS** produces superb accuracy and fast results. Rated governed speeds available are 30,000 through 50,000 rpm and the power is 0.78 hp (0.58 kW). The **625XVS-NS** features no shank, and air feed from rear position. Drop-in 57mm fixture ready to mill, finish or drill at high speed. Front ends sealed for wet environments (rear exhaust not sealed). Compact and powerful *Air Turbine Spindles®* 625 unit delivers patented constant governed high speed operation under load cuts faster and cleaner - speeding up cycle times and achieving major savings. Fewer moving parts means less vibration and less repairs. There are no gears or vanes to lubricate or burn up and the ceramic grease packed bearings are durable. Specify angular bearings for drilling. Totally oil free operation eliminates work piece contamination and oil lubrication using 90 PSI (6.2 Bar) dry clean oil free air. **X = Double Turbine Power. No Duty Cycle.**

The hex key inserted through the rear of the spindle switches the position of an internal screw - controlling flow of compressed air to supply one or both turbines operating at different speeds with single or double turbine power ratings.

Dimensions



A	0.87" (22mm)	C	5.55" (141mm)
B	2.24" (57mm)	Mounting Area = 2.30" (58mm)	

625XVS- NS Series Spindles

ER11 - 1/4"	ER11 - 6mm
Part #	Part #
66000	66001

Accessories

Model	Part #
High Flow Filter / Regulator / Extractor	30008
Tube 12mm O.D. - 8mm I.D. (order by foot)	16509
Hose & Fitting - 12mm O.D. - 8mm I.D. - 12'	30045

General Specifications

625XVS-NS

Speed RPM	30,000 - 50,000
Power Rating hp (kW)	0.40 (0.30) - 0.76 (0.57)
Inlet Air Pressure	90 PSI (6.2 Bar)
Air Consumption Idle cfm (l/s)	10.5 (4.9) - 20 (9.44)
Air Consumption Working Flow cfm (l/s)	11 (5.2) - 30 (14.16)
Sound Level	Less Than 78 dBA
Max Shank Capacity	ER 11 - 1/4" (6mm)
Spindle Weight	60 oz (1.70 kg)

Standard Equipment

Spindle, combo filter extractor (p/n #30008), collet, wrenches, hose and fittings and carrying case. ER 11 collet system (1/4" or 6mm collet standard - other sizes optional).

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

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Do not use couplings / hoses less than 1/4" / 6mm Internal Diameter (ID). Use couplings / hoses with a minimum ID of 6.5mm for 602, 602X and 625 spindles, a minimum ID of 8mm for 625X, 650, 660 spindles and (602, 602X, 625, 625X, 650 and 660 spindles with TMA) and a minimum ID of 10mm for 650X, 660X spindles and (650X and 660X spindles with TMA). 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 Spindles® is the registered trade name of Air Turbine Tools, Inc. © 2019 Air Turbine Tools, Inc. All rights reserved.