

# 650XVSJS - Variable Speed Spindle Series

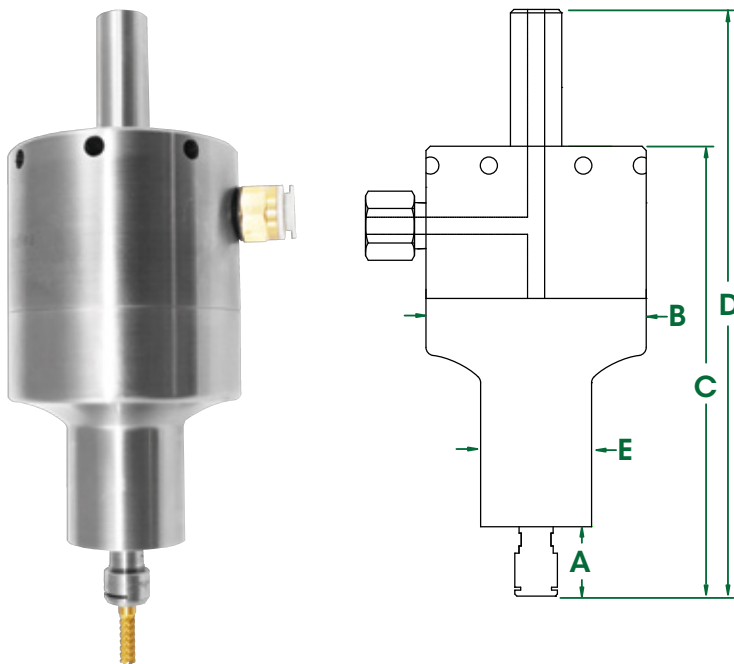


Get nonstop power and precision with the double turbine **650XVSJS** (3/4" / 20mm Straight Shank) - 25,000 to 40,000 rpm, < 1.40 hp (1.04 kW). The patented governor controlled high power 650X maintains constant high speed for trochoidal milling in hard materials and cuts your cycle times dramatically.

Double front ceramic bearings, cooled by turbine air, make this spindle robust and reliable. Mill 24/7 with No Duty Cycle and No Thermal Expansion. Eliminates secondary finishing.

Selectable rear or side air feed on each spindle. Automatic Loading from the magazine on all machines. 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



<b>A</b>	0.87" (22mm)	<b>D</b>	8.23" (209mm)
<b>B</b>	3.23" (82mm)	<b>E</b>	1.62" (41mm)
<b>C</b>	6.26" (159mm)		

## 650XVSJS Series Spindles

ER11 - 1/4"	ER11 - 6mm
<b>Part #</b>	<b>Part #</b>
66100	66101

## Accessories

Model	Part #
High Flow Filter / Regulator / Extractor with 1/2" NPT	30084
Tube 16mm O.D. - 10mm I.D. (order by foot)	16516
Hose & Fitting - 16mm O.D. - 10mm I.D. - 12'	30046

## General Specifications

### 650XVSJS

<b>Speed RPM</b>	25,000 - 40,000
<b>Power Rating hp (kW)</b>	0.8 (0.60) - 1.4 (1.04)
<b>Inlet Air Pressure</b>	90 PSI (6.2 Bar)
<b>Air Consumption Idle cfm (l/s)</b>	11(5.2) - 18 (8.49)
<b>Air Consumption Working Flow cfm (l/s)</b>	14.(6.60)- 40 (18.89)
<b>Sound Level</b>	Less Than 78 dBA
<b>Max Shank Capacity</b>	ER 11 - 1/4" (6mm)
<b>Spindle Weight</b>	75.2 oz (2.13 kg)

## Standard Equipment

Spindle, combo filter extractor (p/n #30084), collet, wrenches, hose and fittings, plug (for alternate air inlet not in use) and carrying case. ER 11 collet system (1/4" or 6mm collet standard - other sizes optional). 3/4" or 20mm shank standard (Metric Shank comes with metric collet, Inch Shank with inch collet). 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 spindles and 650X 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. © 2022 Air Turbine Tools, Inc. All rights reserved.