



Model SB1061PF 18" x 80" Turn-Nado® EVS Lathe with DRO

Product Dimensions

Weight..... 5940 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 130-1/4 x 27 x 62-1/4 in.
 Footprint (Length x Width)..... 142 x 71-3/4 in.

Shipping Dimensions

Type..... Wood Crate
 Content..... Machine
 Weight..... 6380 lbs.
 Length x Width x Height..... 141 x 45 x 73 in.

Electrical

Power Requirement..... 440V, 3-Phase, 60 Hz
 Full-Load Current Rating..... 18.83A
 Minimum Circuit Size..... 30A
 Inverter Type..... Yaskawa G7A4011
 Switch..... Magnetic with Thermal Protection
 Switch Voltage..... 440V
 Plug Included..... No
 Recommended Plug/Outlet Type..... Hardwire to Locking Disconnect Switch

Motors

Main

Type..... TEFC Induction
 Horsepower..... 12-1/2 HP
 Voltage..... 440V
 Phase..... 3-Phase
 Amps..... 18A
 Speed..... 0 – 3000 RPM
 Cycle..... 60 Hz
 Number of Speeds..... Variable
 Power Transfer V-Belt & Gear
 Bearings..... Shielded & Permanently Sealed

Lubrication

Type..... TEFC Induction
Horsepower..... 1/4 HP
Voltage..... 440V
Phase..... 3-Phase
Amps..... 0.6A
Speed..... 1720 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Sealed

Coolant Pump

Type..... TEFC Induction
Horsepower..... 1/8 HP
Voltage..... 440V
Phase..... 3-Phase
Amps..... 0.23A
Speed..... 3450 RPM
Cycle..... 60 Hz
Number of Speeds..... 1
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Sealed

Main Specifications

Operation Info

Swing Over Bed..... 18.11 in.
Distance Between Centers..... 80 in.
Swing Over Cross Slide..... 11.02 in.
Swing Over Saddle..... 18 in.
Swing Over Gap..... 27.95 in.
Maximum Tool Bit Size..... 1 in.
Compound Travel..... 5.39 in.
Carriage Travel..... 79 in.
Cross Slide Travel..... 11 in.

Headstock Info

Spindle Bore..... 3.15 in.
Spindle Taper..... MT#7
Number of Spindle Speeds..... Variable
Spindle Speeds..... 18 – 1800 RPM
Spindle Type..... D1-8
Spindle Bearings..... Tapered Roller

Tailstock Info

Tailstock Quill Travel..... 6.5 in.
Tailstock Taper..... MT#5
Tailstock Barrel Diameter..... 3 in.

Threading Info

Number of Longitudinal Feeds.....	15
Range of Longitudinal Feeds.....	0.0015 – 0.0400 in./rev.
Number of Cross Feeds.....	15
Range of Cross Feeds.....	0.00075 – 0.0200 in./rev.
Number of Inch Threads.....	38
Range of Inch Threads.....	2 – 72 TPI
Number of Metric Threads.....	40
Range of Metric Threads.....	0.4 – 14 mm
Number of Modular Pitches.....	18
Range of Modular Pitches.....	0.3 – 3.5 MP
Number of Diametral Pitches.....	21
Range of Diametral Pitches.....	8 – 44 DP

Dimensions

Bed Width.....	13.58 in.
Leadscrew Diameter.....	1-3/8 in.
Leadscrew TPI.....	4 TPI
Leadscrew Length.....	105.08 in.
Steady Rest Capacity.....	5/8 – 7-1/16 in.
Follow Rest Capacity.....	5/8 – 5-1/8 in.
Faceplate Size.....	14 in.
Feed Rod Diameter.....	0.93 in.
Floor to Center Height.....	45.08 in.
Height With Leveling Jacks.....	46-1/4 in.

Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
Headstock Gears.....	Flame Hardened Steel
Bed.....	Induction Hardened Cast Iron
Body.....	Cast Iron
Stand.....	Cast Iron
Paint.....	Urethane

Other

ISO 9001 Factory	No
Country Of Origin	Taiwan (Some Components Made in USA & Germany)
Warranty	1 Year
Serial Number Location	ID Label on Rear Side of Left Stand
Customer Assembly & Setup Time	1 Hour
Sound Rating	69 dB

Features

Allen Bradley Electrical Components
Meehanite Casting, Signature South Bend 3 V-Way Bed
Safety Chuck Guard with Micro-Switch Shut-Off
Halogen Work Light
4-Way Tool Post
Complete Coolant System
Micrometer Carriage Stop
Threading Dial Indicator
FAG German Spindle Bearings
Full Length Splash Guard
Front Removable Sliding Chip Tray
Yaskawa G7A4011 Inverter
Completely Enclosed Universal Gearbox for Cutting Inch, Metric, Modular and Diametral Pitches
Pressurized Lubrication System for Headstock Gears and Bearings
Dial Controlled, Variable Spindle Speeds with Digital Read Out
Jog Button and Emergency Stop
Fagor DRO
Foot Brake

Included Accessories

12" 3-Jaw Scroll Chuck Mounted to 12" D1-8 Back Plate
14" 4-Jaw Independent Chuck D1-8
14" Faceplate D1-8
Follow Rest
Steady Rest with Roller Bearing Tips
#7 to #5 Morse Taper Spindle Sleeve
Two Morse Taper #5 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
Eight Leveling Pads
Service Tools
Tool Box
USA Written Manual