



Machine Specifications



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Model SB1036 18" x 60" EVS Toolroom Lathe

Product Dimensions:

Weight5170 lbs.
Length/Width/Height 120" x 46" x 63¼"
Foot Print (Length/Width) 110¼" x 27"

Shipping Dimensions:

Type Wood Slat Crate
Weight5522 lbs.
Length/Width/Height 121" x 44" x 73"

Electrical:

Required Power Source440V, 3-Phase, 60 Hz
Inverter Type Yaskawa G7A4011
Switch Magnetic with Thermal Protection
Switch Voltage 440V
Recommended Circuit Size 20 Amp
Plug Included No
Recommended Plug Type Hardwire to Locking Disconnect Switch

Motors:

Main

TypeTEFC Induction
Horsepower..... 10 HP
Voltage 440V
Phase 3-Phase
Amps 14A
Speed..... 0-3000 RPM
Cycle 60 Hz
Number Of Speeds Variable
Power Transfer V-Belt & Gear
Bearings.....Shielded and Permanently Sealed

Lubrication

TypeTEFC Induction
Horsepower..... ¼ HP
Voltage 440V
Phase 3-Phase
Amps 0.6A
Speed..... 1725 RPM
Cycle 60 Hz
Number of Speeds 1
Power Transfer Direct Drive
Bearings..... Shielded and Permanently Sealed

Coolant

Type	TEFC Induction
Horsepower.....	1/8 HP
Voltage.....	440V
Phase	3-Phase
Amps	0.15A
Speed.....	3450 RPM
Cycle	60 Hz
Number of Speeds.....	1
Power Transfer.....	Direct Drive
Bearings.....	Shielded and Permanently Sealed

Main Specifications:

Operation Information

Swing Over Bed	18.11"
Distance Between Centers	60"
Swing Over Cross Slide	11.02"
Swing Over Saddle.....	14.49"
Swing Over Gap	27.95"
Max Tool Bit Size.....	1"
Spindle Nose to Gap	11.3"
Compound Slide Travel	5.39"
Carriage Travel.....	59"
Cross Slide Travel.....	11"

Headstock Information

Spindle Bore	3.125"
Spindle Taper.....	MT#7
Number of Spindle Speeds	Variable
Range of Spindle Speeds	18–1800 RPM
Spindle Type.....	D1-8 Camlock
Spindle Bearings.....	FAG or SKF Tapered Roller
Spindle Length	26.93"
Spindle Length with 3-Jaw Chuck	34.25"
Spindle Length with 4-Jaw Chuck	40.71"

Tailstock Info

Tailstock Travel	6.5"
Tailstock Taper	MT#5
Tailstock Barrel Diameter.....	3"

Threading Info

Number of Inch Threads	38
Range of Inch Threads.....	2–72 TPI
Number of Longitudinal Feeds	15
Range of Longitudinal Feeds	0.0015"–0.04"
Number of Cross Feeds	15
Range of Cross Feeds.....	0.00075"–0.02"
Number of Metric Threads.....	40
Range of Metric Threads	0.4–14mm
Number of Diametral Pitches	21
Range of Diametral Pitches	8–44 DP
Number of Modular Pitches	18
Range of Modular Pitches	0.3–3.5 MP

Dimensions

Bed Width.....	13.58"
Leadscrew TPI	4
Leadscrew Length.....	85.5"
Steady Rest Capacity.....	$\frac{5}{8}$ "- $7\frac{1}{16}$ "
Follow Rest Capacity	$\frac{5}{8}$ "- $5\frac{1}{8}$ "
Faceplate Size	14"
Leadscrew Diameter.....	$1\frac{3}{8}$ "
Feed Rod Diameter	0.93"
Floor To Center Height	45"
Height With Leveling Jacks.....	46 $\frac{1}{4}$ "

Construction

Base Construction.....	Cast Iron
Headstock Construction	Cast Iron
Headstock Gears Construction	Flame Hardened Steel
Bed Construction	Induction Hardened and Ground Meehanite Cast Iron
Stand Construction.....	Cast Iron

Other Specifications:

Country Of Origin	Taiwan (Some Components Made in USA and Germany)
Warranty.....	1 Year
Serial Number Location.....	ID Label on Rear Side of Left Stand
Customer Setup and Cleaning Time	Approximately 2 Hours
Sound Rating	82 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 or SKF 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

Accessories Included:

- 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, and USA Written Manual

Optional Accessories:

- SB1271 Taper Attachment (Unmounted)
- SB1272 Collet Attachment 5-C, Quick Change (Unmounted)
- SB1240 Hi-Performance Morse Taper #5 Live Center
- SB1279 Precision 5-C Collets, Set of Eight ($\frac{1}{8}$ "-1", in $\frac{1}{8}$ " Increments)
- SB1280 Precision 5-C Collets, Set of 15 ($\frac{1}{8}$ "-1", in $\frac{1}{16}$ " Increments)