



Model SB1037

16" x 40" EVS Toolroom Lathe

Product Dimensions:

Weight3080 lbs.
 Length/Width/Height 86" x 33" x 60"
 Foot Print (Length/Width)82" x 19½"

Shipping Dimensions:

Type Wood Slat Crate
 Weight3344 lbs.
 Length/Width/Height 94" x 45" x 69"

Electrical:

Required Power Source220V, 3-Phase, 60 Hz
 Inverter Type Yaskawa G7A25P5
 Switch Magnetic with Thermal Protection
 Switch Voltage 220V
 Recommended Cord8 Gauge, 4 Wire, 300 VAC
 Recommended Circuit Size30 Amp
 Plug IncludedNo
 Recommended Plug Type L15-30

Motors:

Main

TypeTEFC Induction
 Horsepower 7½ HP
 Voltage 220V
 Phase 3-Phase
 Amps 20A
 Speed 0–4500 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 220V
 Phase 3-Phase
 Amps 1.4A
 Speed 1725 RPM
 Cycle 60 Hz
 Number of Speeds1
 Power Transfer Direct Drive
 Bearings Shielded and Permanently Sealed

Coolant

Type	TEFC Induction
Horsepower.....	1/8 HP
Voltage.....	220V
Phase	3-Phase
Amps	0.3A
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	16.14"
Distance Between Centers	40"
Swing Over Cross Slide	10.375"
Swing Over Saddle.....	13.54"
Swing Over Gap	22.95"
Max Tool Bit Size.....	0.75"
Spindle Nose to Gap	6.5"
Compound Slide Travel	5.1"
Carriage Travel.....	38.58"
Cross Slide Travel.....	9.25"

Headstock Information

Spindle Bore	2.0625"
Spindle Taper.....	MT#6
Number of Spindle Speeds	Variable
Range of Spindle Speeds	20–2500 RPM
Spindle Type.....	D1-6 Camlock
Spindle Bearings.....	NSK or NTN Tapered Roller
Spindle Length	24.24"
Spindle Length with 3-Jaw Chuck	30.31"
Spindle Length with 4-Jaw Chuck	34.08"

Tailstock Info

Tailstock Travel	6"
Tailstock Taper	MT#4
Tailstock Barrel Diameter.....	2.047"

Threading Info

No of Inch Threads	45
Range of Inch Threads.....	2–72 TPI
No of Longitudinal Feeds	17
Range of Longitudinal Feeds	0.002"–0.067"
No of Cross Feeds	17
Range of Cross Feeds.....	0.001"–0.034"
No of Metric Threads.....	39
Range of Metric Threads	0.2–14mm
No of Diametral Pitches	21
Range of Diametral Pitches	8–44 DP
No of Modular Pitches	18
Range of Modular Pitches	0.3–3.5 MP

Dimensions

Bed Width.....	10¼"
Leadscrew TPI	4
Leadscrew Length.....	63.58"
Steady Rest Capacity.....	5/16"–45/16"
Follow Rest Capacity	5/8"–31/8"
Faceplate Size	12"
Leadscrew Diameter.....	11/8"
Feed Rod Diameter	3/4"
Floor To Center Height	43½"
Height With Leveling Jacks.....	44½"

Construction

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

Other Specifications:

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

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
- NSK or NTN Japanese Spindle Bearings
- Full Length Splash Guard
- Front Removable Sliding Chip Tray
- Yaskawa G7A25P5 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:

- 9" 3-Jaw Scroll Chuck Mounted to 9" D1-6 Back Plate
- 10" 4-Jaw Independent Chuck D1-6
- 12" Faceplate D1-6
- Follow Rest
- Steady Rest with Roller Bearing Tips
- #6 to #4 Morse Taper Spindle Sleeve
- Two Morse Taper #4 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
- Eight Leveling Pads, Service Tools, Tool Box, and USA Written Manual

Optional Accessories:

- SB1269 Taper Attachment (Unmounted)
- SB1268 Collet Attachment 5-C, Quick Change (Unmounted)
- SB1267 10" Backplate D1-6
- SB1239 Hi-Performance Morse Taper #4 Live Center
- SB1279 Precision 5-C Collets, Set of Eight (1/8"-1", in 1/8" Increments)
- SB1280 Precision 5-C Collets, Set of 15 (1/8"-1", in 1/16" Increments)