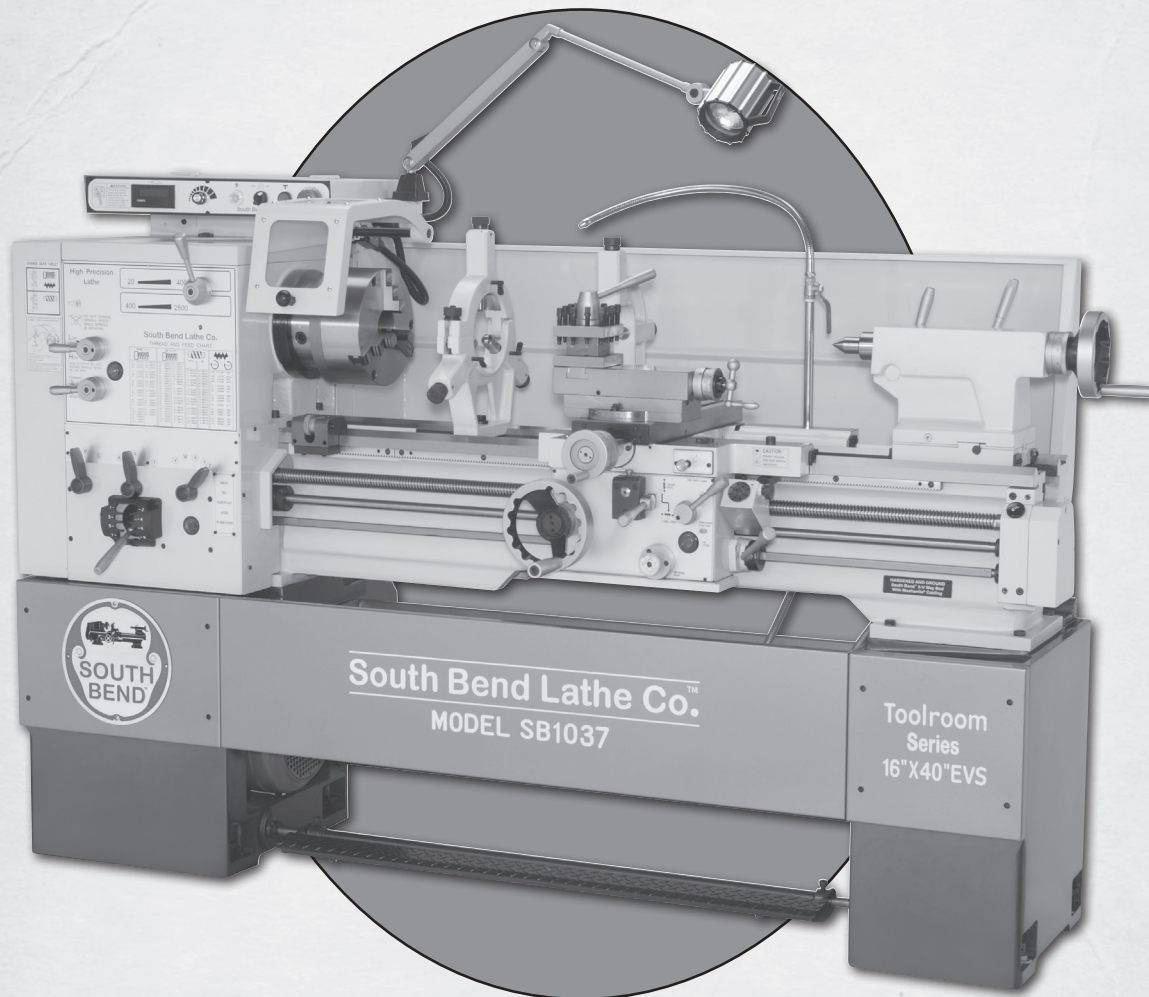




16" X 40" EVS TOOLROOM LATHES

MODEL SB1037 - 220V

MODEL SB1038 - 440V



SPECIFICATIONS

South Bend Lathe Co.TM

Hundreds of Thousands of Lathes Sold With a Tradition of Quality Since 1906!





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 TypeYaskawa G7A25P5
 Switch.....Magnetic with Thermal Protection
 Switch Voltage..... 220V
 Recommended Cord8 Gauge, 4 Wire, 300 VAC
 Recommended Circuit Size30 Amp
 Plug Included..... No
 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 Speeds 1
 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.....	$\frac{5}{16}$ "– $4\frac{5}{16}$ "
Follow Rest Capacity	$\frac{5}{8}$ "– $3\frac{1}{8}$ "
Faceplate Size	12"
Leadscrew Diameter	1½"
Feed Rod Diameter	$\frac{3}{4}$ "
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 ($\frac{1}{8}$ "-1", in $\frac{1}{8}$ " Increments)
SB1280 Precision 5-C Collets, Set of 15 ($\frac{1}{8}$ "-1", in $\frac{1}{16}$ " Increments)



Machine Specifications

P.O. Box 2027, Bellingham, WA 98227 U.S.A.
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www.southbendlathe.com

Model SB1038 16" x 40" EVS Toolroom Lathe

Product Dimensions:

Weight 3080 lbs.
Length/Width/Height 86" x 33" x 61"
Foot Print (Length/Width) 82" x 19½"

Shipping Dimensions:

Type Wood Slat Crate
Weight 3344 lbs.
Length/Width/Height 94" x 45" x 69"

Electrical:

Required Power Source 440V, 3-Phase, 60 Hz
Inverter Type Yaskawa G7A25P5
Switch Magnetic with Thermal Protection
Switch Voltage 440V
Recommended Circuit Size 15 Amp
Plug Included No
Recommended Plug Type Hardwire to Locking Disconnect Switch

Motors:

Main

Type TEFC Induction
Horsepower 7½ HP
Voltage 440V
Phase 3-Phase
Amps 10A
Speed 0-4500 RPM
Cycle 60 Hz
Number Of Speeds Variable
Power Transfer V-Belt & Gear
Bearings Shielded and Permanently Sealed

Lubrication

Type TEFC 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:

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