Product Specifications

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Model SB1015F
16" x 60" EVS Toolroom Lathe with Fagor DRO

Product Dimensions

Weight..... 3316 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 106 x 33 x 61 in.
Footprint (Length x Width)..... 101-7/8 x 19-1/2 in.

Shipping Dimensions

Type..... Wood Slat Crate
Content..... Machine
Weight..... 3488 lbs.
Length x Width x Height..... 45 x 109 x 74 in.

Electrical

Power Requirement..... 440V, 3-Phase, 60 Hz
Prewired Voltage..... 440V
Full-Load Current Rating..... 11.75A
Minimum Circuit Size..... 15A
Connection Type..... Permanent (Hardwire to Shutoff Switch)
Switch Type..... Control Panel w/Magnetic Switch Protection
Inverter (VFD) Type..... Yaskawa G7A25P5
Inverter (VFD) Size..... 7.5 HP

Motors

Main

Horsepower..... 7.5 HP
Phase..... 3-Phase
Amps..... 11A
Speed..... 0 – 4500 RPM
Type..... TEFC Induction
Power Transfer ..... V-Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Coolant Pump

Horsepower..... 1/8 HP
Phase..... 3-Phase
Amps..... 0.15A
Speed..... 3450 RPM
Type..... TEFC Induction (Class F)
Power Transfer ..... Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Oil Pump

Horsepower	1/4 HP
Phase	3-Phase
Amps	0.6A
Speed	1725 RPM
Type	TEFC Induction
Power Transfer	Direct Drive
Bearings	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type	N/A

Main Specifications

Operation Info

Swing Over Bed	16 in.
Distance Between Centers	60 in.
Max Weight Between Centers	660 lbs.
Swing Over Cross Slide	10-3/8 in.
Swing Over Saddle	15.67 in.
Swing Over Gap	22.95 in.
Maximum Tool Bit Size	3/4 in.
Compound Travel	5.1 in.
Carriage Travel	54 in.
Cross Slide Travel	9-1/4 in.

Headstock Info

Spindle Bore	2.0625 in.
Spindle Taper	MT#6
Number of Spindle Speeds	Variable
Spindle Speeds	20 – 2500 RPM
Spindle Type	D1-6 Camlock
Spindle Bearings	NSK or NTN Tapered Roller
Spindle Length	24-1/4 in.
Spindle Length with 3-Jaw Chuck	30-7/8 in.
Spindle Length with 4-Jaw Chuck	28-3/4 in.
Spindle Length with Faceplate	26-1/4 in.

Tailstock Info

Tailstock Quill Travel	6 in.
Tailstock Taper	MT#4
Tailstock Barrel Diameter	2.047 in.

Threading Info

Number of Longitudinal Feeds	17
Range of Longitudinal Feeds	0.002 – 0.067 in./rev.
Number of Cross Feeds	17
Range of Cross Feeds	0.001 – 0.034 in./rev
Number of Inch Threads	45
Range of Inch Threads	2 – 72 TPI
Number of Metric Threads	39
Range of Metric Threads	0.2 – 14.0 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	10-1/4 in.
Carriage Leadscrew Diameter	1-1/8 in.
Leadscrew TPI	4 TPI
Carriage Leadscrew Length	83-9/16 in.
Steady Rest Capacity	5/16 – 4-5/16 in.
Follow Rest Capacity	5/8 – 3-1/8 in.
Faceplate Size	12 in.
Feed Rod Diameter	3/4 in.
Floor to Center Height	43-1/2 in.
Height With Leveling Jacks	44-1/2 in.

Construction

Base	Cast Iron
Headstock	Cast Iron
End Gears	Flame Hardened Steel
Bed	Induction-Hardened, Precision-Ground Meehanite Cast Iron
Body	Cast Iron
Stand	Cast Iron
Paint Type/Finish	Urethane

Fluid Capacities

Headstock Capacity	16.9 qt.
Headstock Fluid Type	ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Gearbox Capacity	1.4 qt.
Gearbox Fluid Type	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Apron Capacity	1.2 qt.
Apron Fluid Type	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity	11.1 qt.

Other

Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label on Rear Side of Left Stand
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

Allen Bradley Electrical Components
Fagor DRO
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

Included Accessories

9 in. 3-Jaw Scroll Chuck Mounted to 9 in. D1-6 Back Plate
10 in. 4-Jaw Independent Chuck D1-6
12 in. 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