



# Machine Specifications



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## Model SB1026 9" x 42" Milling Machine w/Power Feed

### Product Dimensions:

Weight ..... 1940 lbs.  
Length/Width/Height ..... 63" x 58" x 86"  
Foot Print (Length/Width) ..... 36" x 24"

### Shipping Dimensions:

Type ..... Wood Crate  
Content ..... Machine  
Weight ..... 2185 lbs.  
Length/Width/Height ..... 55" x 55" x 74"

### Electrical:

Required Power Source ..... 220V, Single-Phase, 60 Hz  
Switch ..... Forward/Reverse  
Switch Voltage ..... 220V  
Minimum Circuit Size ..... 20 Amp  
Plug Included ..... No  
Recommended Plug ..... NEMA 6-20

### Motor:

Type ..... AEFV Capacitor Start Induction  
Horsepower ..... 2 HP  
Voltage ..... 220V  
Phase ..... Single-Phase  
Amps ..... 14 Amps  
Speed ..... 1725 RPM  
Cycle ..... 60 Hz  
Number Of Speeds ..... 1  
Power Transfer ..... Belt Drive  
Bearings ..... Lubricated and Permanently Sealed

### Main Specifications:

#### Operation Information

Spindle Travel ..... 5"  
Longitudinal Table Travel w/Power Feed ..... 24½"  
Longitudinal Table Travel w/o Power Feed ..... 29½"  
Cross Table Travel ..... 13"  
Vertical Table Travel ..... 16"  
Ram Travel ..... 13"  
Ram Swivel ..... 180°  
Head Tilt ..... 45° Forward, 45° Back  
Head Swivel ..... 90° Right, 90° Left

### Operation Information (continued)

|   |                               |
|---|-------------------------------|
| Distance Range Spindle to Column .....  | 6"–19"                        |
| Distance Range Spindle to Table .....   | 0"–18"                        |
| Drilling Capacity for Cast Iron .....   | 1"                            |
| Drilling Capacity for Steel .....       | $\frac{3}{4}$ "               |
| Number of Spindle Speeds .....          | 8                             |
| Low Range of Spindle Speeds .....       | 80, 140, 220, 325 RPM         |
| High Range of Spindle Speeds .....      | 710, 1170, 1860, 2800 RPM     |
| Number of Longitudinal Feed Rates ..... | Variable                      |
| Longitudinal Feed Rate Range .....      | 0– $3\frac{1}{3}$ FPM         |
| Quill Diameter .....                    | 3.375"                        |
| Number of Quill Auto-Feed Rates .....   | 3                             |
| Quill Auto-Feed Rates .....             | 0.0015, 0.003, 0.006 in./rev. |

### Table Information

|  |                      |
|--|----------------------|
| Length/Width/Thickness .....           | 42" x 9" x 3"        |
| Number of T-Slots .....                | 3                    |
| T-Slot Width/Height .....              | $\frac{5}{8}$ " x 1" |
| T-Slot Distance Center-to-Center ..... | 2 $\frac{1}{2}$ "    |
| Stud Size .....                        | $\frac{1}{2}$ "      |

### Spindle Information

|                             |  |
|-----------------------------|--|
| Spindle Taper .....         | R8   |
| End Milling Capacity .....  | 1"   |
| Face Milling Capacity ..... | 4"   |
| Draw Bar Diameter/TPI ..... | $\frac{1}{2}$ "-20   |
| Draw Bar Length .....       | 18 $\frac{1}{2}$ "   |
| Spindle Bearing Type .....  | Angular Contact P4 (ABEC-7) & Double-Shielded Ball Bearing |
| Spindle Diameter .....      | 1 $\frac{13}{16}$ "  |

### Construction

|                     |                                       |
|---------------------|---------------------------------------|
| Quill .....         | Chromed Steel                         |
| Table .....         | Hardened & Precision-Ground Cast Iron |
| Headstock .....     | Meehanite Cast Iron                   |
| Column & Base ..... | Meehanite Cast Iron                   |
| Knee & Saddle ..... | Meehanite Cast Iron                   |
| Paint .....         | Urethane                              |

### Other Specifications

|  |                                       |
|--|---------------------------------------|
| Machine No-Load Sound Level @ 3500 RPM ..... | 55 dB                                 |
| Country of Origin .....                      | Taiwan                                |
| Warranty .....                               | 1 Year                                |
| Serial Number Location .....                 | Machine ID Label On Column Right Side |
| Customer Setup & Cleaning Time .....         | 1–2 Hours                             |

### Features

High-Quality, Low-Vibration AEVF Spindle Motor  
P4 (ABEC-7) High-Quality Angular Contact Spindle Bearings  
X & Y Leadscrew Nuts Double-Bronzed for Ultra-Smooth Movement w/Minimal Backlash  
Lever-Action, One-Shot Pump Lubrication System  
Auto-Downfeed Stop with Micro-Adjustable Stop  
Variable Speed Longitudinal Power Feed  
Hardened and Precision-Ground Table Surface  
Chromed Steel Quill  
Heavy-Duty Spindle Brake  
Halogen Work Light