Cleveland

CNC Vertical Bed Mill Model: BM460H

MACHINE FEATURES

- Centroid M400 control with 15” LCD
- 10 HP spindle motor, CAT40 spindle taper
- 8,000 rpm spindle speed
- Hardened & ground with Turcite-B coating guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- 100% laser tested for positioning accuracy & repeatability
- Box ways design on Y & Z axis to provide maximum rigidity & stability
- Standard way covers on all three axes
- Tool box & tools
- Coolant system
- Central lubrication system
- Built-in Quartz work light
- Portable hand wheel (opt)
SPECIFICATIONS:

Table: ................................. 15.7” x 54” (400x1370 mm)
Longitudinal travel: .......................... 40” (1016 mm)
Cross travel: .................................. 20” (510 mm)
Vertical travel: ................................. 22” (560 mm)
Spindle nose to table top (D): ............... 4” to 26” (100-660 mm)
Load capacity: .................................. 1550 lbs (700 kgs)
Spindle taper: ................................. CAT40
Spindle speed: ................................. 60 to 8000 rpm
Transmission of spindle & motor: .......... Belts
Spindle center to column front surface: ... 21.7” (550 mm)

Feed Rate:
Rapid feed rate: X/Y/Z: 250 ipm AC
Cutting feed rate: .................................. 1 to 120 ipm

Motor:
Spindle motor: .................................. 10 HP / 7.5 kW
Feed motors on XYZ: ......................... 1 kW - AC
Coolant pump: .................................. 1/8 Hp
Lubrication pump: ......................... 150 W
Power requirement: ......................... 15 KVA, 3 Phase 208V to 230V (Max)

Automatic Tool Change:
No. of tools: .................................. OPT
Max tool diameter: ......................... 3.5” (90 mm)
Max tool weight: ................................. 15 lbs (7 kgs)

Dimension & Weight:
Length x Width x Height: ................. 115” x 78” x 96” (2920x1980x2440 mm)
Net Weight: .................................. 6820 lbs (3100 kgs)

STANDARD ACCESSORIES:

<table>
<thead>
<tr>
<th>Tools &amp; box</th>
<th>Leveling bolts &amp; plate</th>
<th>RS-232 interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation manual</td>
<td>15” color LCD</td>
<td>Splash guard</td>
</tr>
<tr>
<td>Auto lube system</td>
<td>Halogen work light</td>
<td>120 GB solid state hard drive</td>
</tr>
<tr>
<td>USB 2.0 port</td>
<td>Coolant system</td>
<td>Shop floor programming/Conversational</td>
</tr>
</tbody>
</table>

ADDITIONAL ACCESSORIES INFORMATION:

| Power requirement | 15 KVA 3 phase 208V/230Vmax |
| Air requirement | With opt. power draw bar 90 - 100 psi |
| Type of oil for Way oil / oil chiller / pneumatic oil | Mobil Vactra #2 / Shell Tellus 32 / Air tool oil |
| Coolant capacity | 7 Gallons |

* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE *

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