CLEVELAND
MODEL: 4VK VERTICAL TURRET HEAD KNEE MILL

MACHINE FEATURES:
5 HP Spindle Motor
NST40 Spindle Taper
3,900 rpm spindle speed
Automatic lubrication system
Power Knee
Coolant System W/Chip Tray
- 5 HP Spindle Motor, NST40 Spindle Taper
- 3,900 rpm spindle speed with HI-LO gear
- Hardened & Ground with turcite-B coating guide way
- C7 Double nut precision acme lead screws for high accuracy and long lasting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term reliability
- Heavy duty square slide way on Y and Z-axis
- Anti rust chrome quill
- Standard way covers on all three axes
- Tool box & Tools
- Precision APEC class7 spindle bearing to ensure spindle run out within 0.0002
- Automatic lubrication system
- Power Knee
- Built-in coolant System
- Chip Tray
- Built-in Quartz work light
SPECIFICATION:
Table: 12" x 60"
Longitudinal travel (X-axis): 40"
Cross travel: 17"
Knee travel: 19"
Quill diameter: 3.94" (100 mm)
Quill travel: 5.5"
Spindle nose to table top (D): 2-1/4" - 21-7/8"
Load capacity: 990 lbs
Spindle taper: NST40
Spindle Speed (r.p.m.): 70 to 3900 rpm with Hi/Lo gear
Transmission of spindle & motor: Timing Belt
Spindle center to column front surface: 6-3/8" - 23-1/4"
Ram Travel: 20"
Head:
Swivel (left/right): 90 degree
Tile (front/back): 45 degree
Spindle motor/max torque: 5 HP (Std.) 3.7 KW
KVA rating: 18 AMPS
Coolant pump: (STD) 1/8 Hp
Lubrication pump: Auto
Power requirement: 6.5 KVA, 3 Phase 208-230 voltage
Length x Width x Height: 114" x 71" x 90"
Net Weight: 4300 lbs. (1955 Kgs)

STANDARD ACCESSORIES:
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Additional Accessories information:
| Power requirement              | 6.5 KVA 3 phase 208 V/230 Vmax |
| Air requirement                | With opt. power draw bar 90 - 100 psi |
| Type of oil for Way oil /pneumatic oil | Mobil Vectra #2 / Air tool oil |
| Coolant capacity               | 7 Gallons                      |

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