

# CLEVELAND

## MODEL: 5VK 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):	43"
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"
Motor:	
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:**

Tools & box	Draw bar	Power Knee
Leveling bolts & plate	Auto lube system	Halogen work light
Way cover	Coolant System	
Operation manual	Chip Tray	

## **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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