

CLEVELAND

Super Heavy Duty Manual Knee Mill :CKV6



Specification

TABLE	12" x 60" (305mm x 1524mm)
X TRAVEL	47.2" (1200mm)
Y TRAVEL	18" (460mm)
Z TRAVEL	19.69" (500mm)
QUILL TRAVEL	5.5" (140mm)
QUILL DIAMETER	4.13" (105mm)
RAM TRAVEL	24" (610mm)
SADDLE	53.5" (1360mm)
TABLE LOAD CAPACITY	1100 LBS (500KGS)
T-SLOT (3)	0.71" x 2.5"
SPINDLE TAPER	NT40
SPINDLE SPEED	70 to 3800 rpm with Hi/Lo gears
TRANSMISSION SPINDLE-MOTOR	Timing belt
HEAD SWIVEL(RIGHT/LEFT)	±90°
SPINDLE MOTOR/MAX POWER	5HP
COOLANT PUMP	1/8 HP
LUBRICATION PUMP	Auto Lubrication
FLOOR PLAN (WxDxH)	124" x 76.7" x 96.4"
NET WEIGHT	5720LBS (2600KGS)
POWER REQUIREMENT	10 KVA 3 phase 208V-230V (Max)
TYPE OF OIL FOR OIL WAY	Mobil Vectra #2
AIR Requirement	With Opt. power draw bar 70-100 psi

*Meehanite castings, **Box Way design on the Y & Z axes.***

*C5 double nut precision **Ball Screw** screws for high accuracy and long lasting.*

Servo motor for X & Y axis.

Rapid Up & Down motor.

X Y Z Hardened & ground with Turcite-B coating guide way

Mechanical Variable Speed Head 70-3800rpm with Hi/Lo Gears.

***Front steel way cover** and Rear chip rubber cover.*

Built in LED Work Light

Auto lubrication system.

Coolant system with chip pan

Precision P5 class spindle bearing to ensure spindle run out within 0.0002inch.

Machine Standard

Auto lube system	5HP spindle Motor	Rapid up/down motor
Servo motor for X & Y	Coolant system	Chip pan
Draw Bar	Front Steel Way Cover	Rear rubber cover
Tools & box	Halogen work light	Parts manual machine

Machine Options

*Recommended

*PDB-MAX	Power Draw Bar-Maxi-Torque installed
ACC	Arm type console control
C80-2-1260	DRO System X & Y Axis (NEWALL) installed
C80-3-1260	DRO System X & Y & Quill Axis (NEWALL) installed
C80-3-K	DRO System X & Y & Knee Axis (NEWALL) installed

Tools Options All the tools are made in Taiwan

NT40 KIT RECOMMEND

CK-101	52pcs Clamping Kit
NT40-TOOL6	NT40 Tool Holder set (6pcs.) 3/8, 1/2, 5/8, 3/4, 1" and keyless drill chuck
NT40ER40-10	NT40 ER40 Collect (10pcs.) 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1" + NT40 ER40 chuck*1 +Wrench
NT40ER40-17	NT40 ER40 Collect (17pcs.) 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" + NT40 ER40 chuck*1+Wrench
WISE-6-TW	6" Angle Vise W/ Swivel Base



**6" Angle Vise HAV-6
(Made in Taiwan)**



Power Draw Bar

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

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