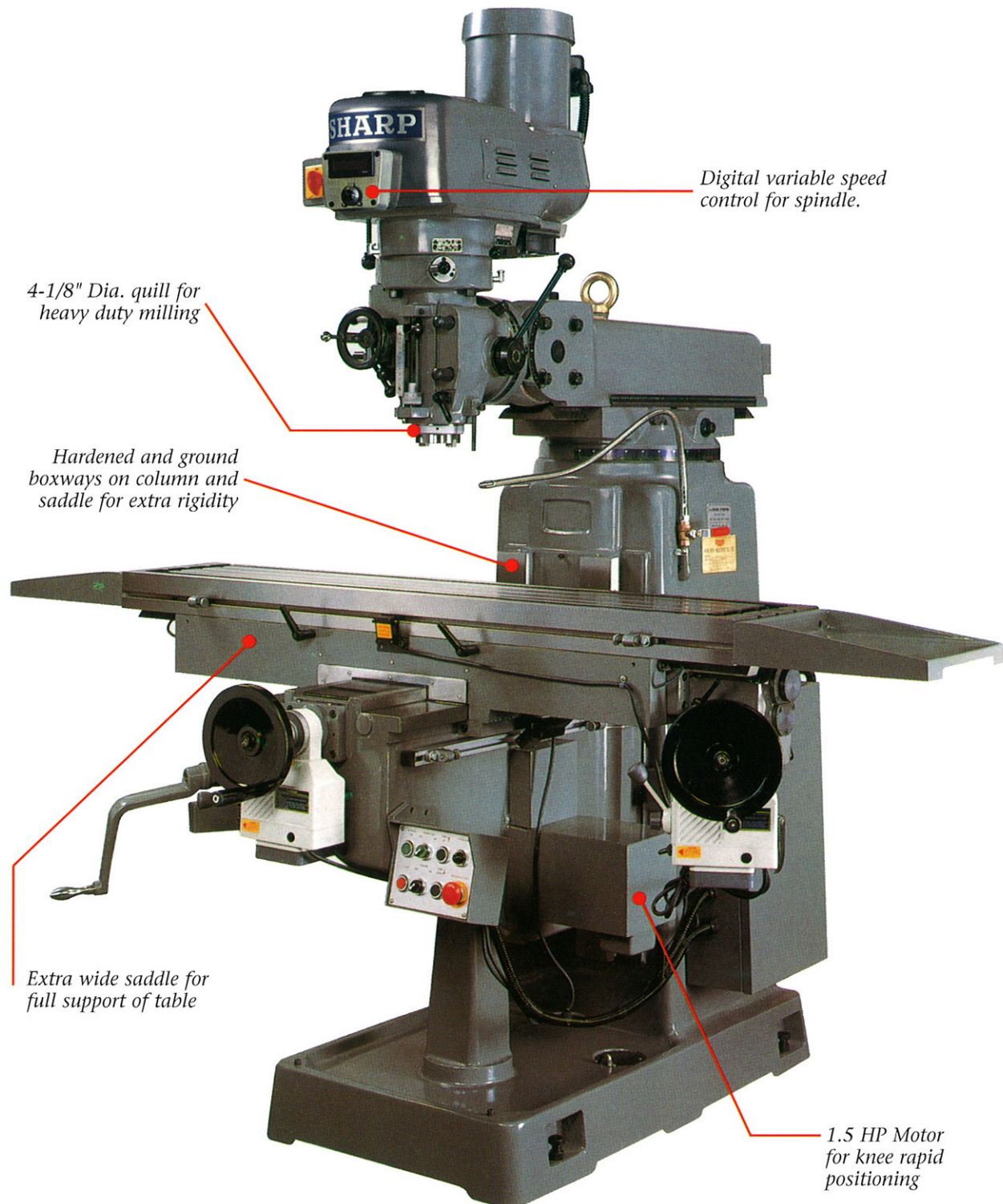


HEAVY DUTY VERTICAL MILLING MACHINE

MODEL V-1



SHARP
PRECISION MACHINE TOOLS

MAIN FEATURES

- 12" x 58" table, 16" x 40" travel
- NST#40 spindle
- 5 HP inverter driven spindle with Digital Variable Speed control
- Hardened and ground box ways on saddle and column
- Knuckle head design utilizing circular groove to secure head by T-bolts and nuts onto the ram
- Extra wide saddle for full support of table
- Adjustable double nut design for backlash eliminator (table and saddle)
- Rapid knee positioning powered by 1-1/2 HP motor
- Power feed table and saddle individually installed on handle
- Fully ribbed high tensile strength casting to dampen vibration

SPECIFICATIONS

TABLE	Working Surface.....	12" x 58"
	T-slots (nominal size x no. x pitch)	5/8" x 3" x 2-1/2"
	Travel (Long. x cross x vertical)	40" x 16" x 16"
	Table, saddle power feed.....	variable speed
SPINDLE	Rapid Traverse (vertical, knee positioning)	37.5 ipm
	Spindle drive	.5 hp
	Spindle speed (inverter, digital variable)	70 - 4,000 rpm
	Spindle taper	NST #40
	Quill travel	.5"
	Quill feeds (3)	.0015, .003, .006 ipr
	Quill diameter	4-1/8"
	Head tilt (front to back)	+/- 45 degrees
	Head tilt (left to right)	+/- 90 degrees
	Overarm swivel on turret	360 degrees
MOTORS	Spindle nose to top of table.....	.2" - 18"
	Ram travel	17-3/4"
	Spindle drive (digital variable speed)	.5 HP
	Table feed (mount on handle)	1/4 HP (vari. speed)
	Saddle feed (mount on handle)	1/4 HP (vari. speed)
DIMENSIONS	Knee rapid (built-in AC motor)	1-1/2 HP
	Coolant system	1/8 HP
	Length x Width x Height	83" x 75" x 100"
	Approximate weight.....	4,500 lbs.

STANDARD ACCESSORIES

- Complete coolant system
- One shot lube system
- Metal casting tray at each end of table
- Rubber way cover at back of saddle
- Tool box with tools

OPTIONAL ACCESSORIES

- Power drawbar
- Halogen worklight
- Vise with swivel base
- Clamping kit
- Digital Readout system



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