



Data Sheet



KENT USA KTM-4VKFe Milling Machine



OUTSTANDING FEATURES:

3 HP spindle motor, 50 – 4500 rpm variable speed milling head with AC-Freq drive
 Digital spindle RPM display and real-time LED spindle load indicator bar
 Automatic spindle direction matching when switching between High/Low gear range
 Extra-wide 12” x 50” table, hardened and ground for long-lasting performance
 T-slots ground parallel to table ways for easy and precise set ups
 Saddle and knee with hardened and ground square (box) ways
 Precision ground lead screws with backlash compensating double nut
 Meehanite casting with built-in coolant reservoir in machine base
 Automatic centralized one-shot lubrication system with metered check-valves

GENERAL SPECIFICATIONS:

MACHINE CAPACITY:		MILLING HEAD:	
Table size	12” x 50”	Spindle motor	3 hp (inverter-duty)
Table travel (X-axis)	33”	Spindle taper	R-8 (NMTB-30 option available)
Saddle travel (Y-axis)	17.5”	Spindle speed range	50 – 550 – 4500 rpm (2 range, Hi/Lo)
Knee travel (Z-axis)	17.5”	Quill diameter	3.375”
Quill travel	5.5”	Quill power feed (per rev)	0.0015” / 0.003” / 0.006”
Ram travel	22”	Drilling capacity (manual)	ø 0.75”
Table load capacity	850 lbs (distributed)	Drilling capacity (power)	ø 0.37”
T-slots (number x width)	3 x 5/8”	Boring capacity	ø 6.0”
		Milling capacity	2.0 in ³ /min
		Head rotation (manual)	+/- 90° rotation, +/- 45° tilt
UTILITY:		WEIGHT & DIMENSION:	
Machine power required	220V/3PH/10A (Opt 440V/3PH/5A)	Machine weight	3400 lbs
(AC-Freq drive can accept 220V 1-Phase power without a phase converter, ideal for customers with only single phase power available)		Shipping weight	3500 lbs
Coolant reservoir	3 gallon	Packing dimension	72” x 72” x 88” (skid)
Lubrication tank size	0.5 gallon		

KTM-4VKFe Milling Machine..... (ASK TO YOUR SALES MAN)

STANDAR ACCESSORIES:

with R-8 spindle, 3 hp spindle motor, AC-Freq drive head
with Digital spindle rpm display and LED spindle load indicator bar
with extra-wide 12" x 50" table size
with T-slots ground parallel to table ways
with box ways on saddle and knee
with automatic lubrication system
with standard tool/accessories and manual

OPTIONS AND ACCESSORIES(ASK TO YOUR SALES MAN):

DRO-203	DRO (Digital Readout System) 2-axis 0.0002" resolution
DRO-INST	DRO installation charge
PFEED-X	Table (x-axis) power feed
PFEED-Y	Saddle (y-axis) power feed
PFEED-Z	Knee (z-axis) power feed
APD-MT	Air power drawbar unit (Maxi-Torque, made in USA)
FCOOL-INT	Flood coolant system (internal reservoir)
CHIP-PAN	Chip pan
SPDL-30	Option for #30 (NMTB-30) spindle
WISE-6	Angle-lock vise 6"
WISE-8	Angle-lock vise 8"
R8-SET	R-8 collet set (11 pc, 1/8" – 3/4")
CLAMP-52	Clamping kit 52 pc
ROT12-VH	Rotary table 12" vertical/horizontal
RIGHT-AA	Right angle milling attachment with arbor support
RISER-4	Riser block 4"
RISER-6	Riser block 6"
RISER-8	Riser block 8"
440V-OPT	Option for 440V electrics (440v inverter)