



# Conventional Vertical Milling Machines

## UWF 1.2



### SKU : 362694

This versatile milling machine offers a large work area with a long traverse path on the X-axis. Together with the extensive features, it is ideal for repair workshops as well as training and production departments. The infinitely variable servomotor feed, together with a vertical milling head that can be swiveled on two planes, extends the wide range of applications for the entire UHF series. Wide, stable flat guides on the Z- and Y-axes can also absorb high cutting forces without any problem.

- Universal cutter head swivels on 2 levels
- Outer arbor support for cutter head during horizontal milling
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment

## TECHNICAL SPECS

### WORKING AREA

Table set up area	54 in x 12 in
Table load capacity (max.)	660 lbs
Number of T-slots	3 positions
T-slot (width x spacing)	0.55 in x 3.15 in
Milling table swivel range	45 deg

### TRAVELS

Travel X-axis	39.4 in
Travel Y-axis	14 in
Travel Z-axis	16 in

### VERTICAL MILLING HEAD

Spindle speed (vertical)	45 rpm - 1660 rpm
Spindle mount	SK 40 DIN 2080
Throat	6 in - 22 in
Vertical spindle-to-table surface distance	3.94 in - 19.69 in
Milling head swivel range	360 deg

### RAPID FEED

Rapid feed X-/ Y-axis	53 in/min
Rapid feed Z-axis	39.37 in/min

### FEED

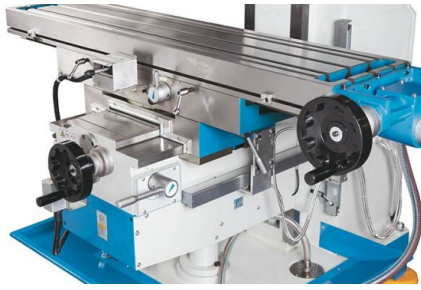
Feed speed X-axis	1.1811 in/min - 32.6771 in/min
Feed speed Y-axis	1 in/min - 33 in/min
Feed speed Z-axis	0.9055 in/min - 24.6063 in/min

### DRIVE CAPACITY

Motor rating main drive	4 Hp
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### MEASURES AND WEIGHTS

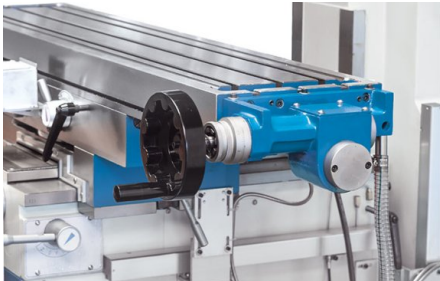
Overall dimensions (length x width x height)	73 in x 70 in x 67 in
Weight	3850 lbs



*Easy handling: feeds are controlled directly at the milling console*



*Large throat and long travels*



## PRODUCT DETAILS

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Large rectangular guideways ensure precision and quiet operation within permissible high loads
- Universal cutter head swivels on 2 planes - quick change-over from horizontal to vertical machining
- By combining both swivel levels, almost any angle can be set
- Outer arbor support for horizontal milling, mounts to cutter head
- The milling table features a large setup area and can be rotated in linear direction
- Precision-ground guideways with hardened surfaces for long term accuracy and wear resistance
- Quiet, precision-made headstock gears with hardened and ground gears
- Powerful servo-motor for infinite variation of feeds in all 3 axes
- Minimum downtime due to rapid positioning of work table and rapid feeds in all axes
- Control panel swivels for comfortable operation
- Coolant system and chip tray are included

## STANDARD EQUIPMENT

- Chip tray
- Coolant system
- Central lubrication
- 3-axis position indicator X.Pos 3.2
- Operator instructions
- M16 draw bar
- Operating tools
- Outer arbor support for horizontal milling