

# TECHNICAL DATA

On request: ISO 30 Taper

TYPES		F 3	F 3 R
<b>MOTOR</b>	Power Speeds: 50 cycle motor 60 cycle motor	0.75/2 HP 0.6/1.5 kW 700/2800 RPM 840/3360 RPM	
<b>TRAVERSES AND CAPACITY</b>	Manual and powered longitudinal traverse to the table Manual vertical traverse to the table Manual cross traverse to the headstock with intermediate piece No. 03-19-01 Working surface of table 4 T-slots DIN 650, width Graduations on all feedscrew drums Min./Max. distance between: table and horizontal spindle axis table and vertical spindle nose with intermediate piece No. 03-19-01	300 mm (12") 300 mm (12") 135 mm (5 1/4") 205 mm (8") 600 x 205 mm (23 3/8" x 8") 10 mm (3/8") 0.02 mm or .001"  30-330 mm (1 1/2"-13") 20-320 mm (3/4"-12 1/2") 100-400 mm (4"-16")	
<b>HORIZONTAL AND VERTICAL MILLING SPINDLES</b>	Provision for clamping by W 20 collets. Shank diameter Number of spindle speeds 50 cycle Motor 60 cycle Motor	20 mm on request: Taper ISO 30 8 100-175-300-500-400- 700-1200-2000 RPM 125-220-375-625-500- 880-1500-2500 RPM 120-210-360-600-480- 840-1440-2400 RPM 150-260-450-750-600-1040-1800-3000 RPM	
<b>LONGITUDINAL POWER FEEDS</b>	Number of feeds (in both directions) 50 cycle Motor 60 cycle Motor	8 8 12-19-32-58-48-76-128-232 27-40-70-125-108-160-280-500 3/8-1/2-1 1/8-2 1/8-1 1/2-2 3/8-4 3/8-8 1/4 1 1/2-2-3 1/2-6 1/4-5 1/8-8-14-25 12-19-32-58-48-76-128-232 32-48-84-150-128-192-336-600 1/2-3/4-1 1/8-2 1/2-2-3 1/8-5 1/2-10 1 1/8-2 1/8-4 1/8-7 1/2-6 1/2-9 1/2-17-30	
<b>RAPID LONGITUDINAL ADVANCE BY CROSS-HANDLE</b>	Principle of transmission 1 turn of cross-handle Setting of rapid advance travel	Worm and wormwheel 12 mm (15/32") — Rack and pinion 70 mm (2 3/4") By two supplementary adjustable stops	
<b>NET WEIGHT</b>	Machine with prismatic-section overarm No. 03-14-01 and simple angular table No. 03-20-01 ("STANDARD" electrical installation)	approx. 500 kg (1100 lbs)	
<b>DIMENSIONS</b>	Total height of machine: with headstock cover-plate with prismatic-section overarm with vertical milling head Area occupied by machine	1350 mm (53") 1400 mm (55") 1450 mm (57") 1200 x 1000 mm (48" x 39")	
<b>PACKING</b>	Continental: Machine 135 kg (298 lbs) Tool Cupboard 50 kg (110 lbs) Accessories 40 kg ( 88 lbs) Seaworthy: Machine 210 kg (463 lbs) Tool Cupboard 63 kg (140 lbs) Accessories 40 kg ( 88 lbs)	117 x 112 x 170 cm (46" x 44" x 67") 121 x 64 x 124 cm (48" x 25" x 49") 106 x 61 x 56 cm (42" x 24" x 22")  117 x 112 x 170 cm (46" x 44" x 67") 121 x 64 x 124 cm (48" x 25" x 49") 106 x 61 x 56 cm (42" x 24" x 22")	