

Technical Characteristics

F1 F1N/F1H

Standard Equipment

Complete electrical system – three phase	*	*
Feedscrews and levers for traverse in:	3 directions	2 directions
Cutter arbor steady arm with cylindrical support	*	*
Oil-gun for general lubrication	*	*
One set of servicing hexagon keys	*	*
One instruction book	*	*
One plain table No. 01-20-01		*
One welded steel cabinet base No. 01-01-01		*
One motor reversal switch No. 80-01-1700		*

F1 F1N/F1H

Motor

Cutter spindle	2800 RPM, 245 W, 0.33 HP
Coolant system	2800 RPM, 70 W, 0.10 HP

Spindle

For W12 collets and cutter arbors, shank diameter	12 mm
8 Speeds	125-200-310-500-1000-1600-2500-4000 RPM

Traverses

Horizontal. F1: manual	100 mm (3.94")
F1N/F1H: automatic	100 mm (3.94")
Supplementary table movement on slide	200 mm (7.88")
Horizontal – total	150 mm (5.91")
Vertical	75 mm (2.95")
Transverse of the headstock	

Manual traverses

By feedscrew or by lever:		
Horizontal feedscrew – 1 turn	2 mm (.1")	—
Vertical feedscrew – 1 turn	2 mm (.1")	2 mm (.1")
Transverse feedscrew – 1 turn	2 mm (.1")	2 mm (.1")
Graduated drums – 1 division	0.01 mm (.0005")	0.01 mm (.0005")

Automatic traverses

Working feed rates	—	10-2000 mm/min (.4"-79"/min)
Rapid advance feed rate	—	4000 mm/min (157"/min)
Max. pressure at the table	—	200 Kp
Air pressure required	—	5-6 bar
Min. supply of air for one forward and return stroke of 100 mm (3.94")	—	3.6 litres
Oil pressure in machine circuit	—	20 bar
Oil capacity of hydraulic unit F1H	—	24 litres

Capacity

Min./Max. distance	
Plain table – horizontal spindle axis	10-160 mm (.39"-6.3")
Plain table – vertical spindle nose	0-175 mm (0-6.89")
Max. cutter diameter under steady arm support	60 mm (2.36")

Plain table

Clamping area	220 × 100 mm (8.66" × 3.94")
3 Tee-slots, width	8 mm
distance between	35 mm

Dimensions and Weight

Height	1370 mm (53.93")
Height – ground to horizontal spindle axis	1175 mm (46.25")
Max. area occupied, width × depth	1300 × 530 mm (51.18" × 20.86")
Net weight, without cabinet base, approx.	60 kg (132 lbs)
Net weight, with cabinet base, approx.	120 kg (264 lbs) 120/210 kg (264/463 lbs)

The right to effect modifications is reserved