

HORIZONTAL BORING & MILLING MACHINE

HBMF 160/180/200 SERIES

FLOOR TYPE

STANDARD FEATURES

- Massive cast iron components
- Hydrostatic guideways (X, Y, Z)
- Electrically shifted, 2-range planetary gearbox for spindle drive
- Ball screws (Y, Z, W)
- Rack and double pinion-drive for X-axis
- HEIDENHAIN linear scales (X, Y, Z)
- HEIDENHAIN rotary encoder (W)
- Power tool clamping
- Ram droop compensation
- REXROTH/PARKER/ATOS hydraulic components
- SIEMENS AC servo motors, PLC and electrics
- SIEMENS SINUMERIK 840D sl
- Steel telescopic covers for X and Y (front) axes



TECHNICAL SPECIFICATIONS

TABLE	UNITS	HBMF 160/180	HBMF 200
Spindle Diameter	mm in	160/180 6.3/7.1	200 7.9
Spindle Taper	ISO CAT	50 50	50 50
Spindle Motor	kW HP	60/100 80/134	60/100 80/134
Spindle Speed	rpm	Apr-00	Apr-00
Ram cross section	mm in	500×620 19.7×24.4	500×620 19.7×24.4
X-axis travel	mm in	5000 197	5000 197
Y-axis travel	mm in	3000 118	3000 118
Z-axis travel	mm in	1000 39.4	1000 39.4
W-axis travel	mm in	800 31.5	800 31.5
Feeds X, Y, Z	mm/min in/min	6-12,000 0.24-472	6-12,000 0.24-472
W	mm/min in/min	6-6000 0.24-236	6-6000 0.24-236