

Machine Specification

Height of centres
Distance between centres
Swing over bed
Swing in gap
Gap width from face plate
Swing over cross-slide
Spindle bore
Spindle nose
Spindle centre height from floor
Taper in Nose bush
Spindle speed ranges
Spindle motor S3 - 40%
Constant power range
X-axis Working Stroke
X-axis Thrust (@ stall torque)
X-axis Programmed rapid traverse rate (G00)
X-axis Manual mode traverse rate (jog)
X-axis CNC rapid traverse rate (jog)
X-axis Maximum programmed feedrate
Z-axis Working Stroke (2000mm)
Z-axis Working Stroke (3000mm)
Z-axis Thrust (@ stall torque)
Z-axis Programmed rapid traverse rate (G00)
Z-axis Manual mode traverse rate (jog)
Z-axis CNC rapid traverse rate (jog)
Z-axis Maximum programmed feedrate
Type of Threads
Width over bed ways
Width of cross-slide
Cross-slide travel
Tailstock quill diameter
Tailstock quill travel
Tailstock quill taper quill
Standard Electrics
Electrical supply required

Harrison Alpha 1550XS

280mm
2000mm, 3000mm
554mm
830mm
216mm
370mm
104mm
Camlock D1-11
1195mm
No.5 MT
(11-224 rpm) (1-672 rpm) (1-2000 rpm)
15kW (15.0 hp)
64 - 1970 (7.5kW)
296mm
5.97kN (1341lbf)
8m/min
3m/min
2m/min
7750 mm/min
2030mm
3050mm
12.53kN (2817lbf)
10m/min
6m/min
2m/min
7750 mm/min
Metric, Imperial, Diametral, Module
400mm (
204mm
310mm
95mm
145mm
No. 6 MT
400V AC + 10%/-15% 50/60Hz
15 kVA

Harrison Alpha 1550XS

Standard Equipment

Manually operated tailstock

315mm (12") dia. 3-Jaw geared scroll, super precision, self centering chuck with:- D1-11 direct camlock mounting and one set each of hardened internal and external jaws
Quick Change Toolpost with 4 Standard, 1 Vee & 1 No. 3 MT Holders and 2 Wrenches for height stop and clamp adjustment
Electrically interlocked chuck guard
Fully enclosed interlocked guarding
Independent sliding operators console
300100 - Machine Lighting
29010L - Standard Electric Coolant Pump, Tank, Hose & fittings.
11010D - Set of machine mounting pads
11011A - Machine Toolbox Comprising :- Centre Bush, No 6 MT Centre (2-off), 27mm x 30mm Spanner, Set of Metric Wrenches, Grease Gun
Automatic Slideway & Ballscrew Lubrication
Swarf tray (Roll-out)
Operation & Spare Parts Manual
Accuracy chart
Fanuc 0iTD Controller with integrated 10.4" Colour Touch LCD & Separate MDI Keypad
Operation Modes :- Alpha, ISO, AlphaLink (CAD/CAM) and Manual Guide i
AlphaLink for Windows (fast download) software, complete with approx. 5M of RS232 cable
Hands on Tutorial & Quick reference Guide booklets

Harrison Alpha 1550XS Lathes UK

Other Flat Bed CNC Lathes:

<https://www.rk-int.com/machine/europa-tc44/>