



Machine Tools

## USED Harrison Alpha 400

Lathe - CNC / Manual Electronic Teach

**£4,950**

Stock No. 2015908180U

### Machine Specifications

Turning Diameter (mm)	400
Turning Length (mm)	1250
Control Type	Harrison Fanuc
Number Of Controlled Axis	2
Maximum Swing	400
Spindle Bore (mm)	54mm
Swing over cross slide	245
Tailstock	Manual
Spindle Turning Speed Range	125 to 2500
Main Drive Power (KW/V/Hz)	415 volts
Toolpost	Quick Change Toolpost & 5 Toolholders
Accessories	3 jaw chuck with Jaws and 4 jaw chuck, fixed steady, drill chuck





# 600 LATHES



**MANUFACTURER**

**600 LATHES**

**HECKMONDWIKE**

**WEST YORKSHIRE**

**ENGLAND WF16 0HN**

**MODEL**

**ALPHA 400**

**SERIAL No.**

**A30500**

**600 LATHE No.**

**A30500/0382**

**YEAR OF BUILD**

**1997**

**SPINDLE RPM**

**2500**

**WIRING DIAGRAM**

**A7-053**



**415**

**VOLTS**

**3**

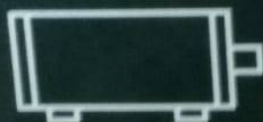
**PHASE**

**50**

**HERTZ**

**29**

**AMPS**



**7.5**

**kW**

**10**

**HP**

**16.5**

**AMPS**

D537-1213

DESIGNS FOR THIS MACHINE ARE  
REGISTERED IN :

# Machine Specification - ALPHA 400

<b>Centres</b> Height 195mm (7 5/8") Admits between 650mm (25") 1250mm (50")	<b>X Axis (cross-slide)</b> Ballscrew Ø20mm (3/4") Thrust 2.62KN (589lb)
<b>Height of Machine</b> Floor to spindle centre 1093mm (43")	<b>Z Axis (longitudinal)</b> Ballscrew Ø32mm (1 1/4") Thrust 5.2KN (1169lb)
<b>Swing</b> Over bed (saddle wings) 400mm (15 3/4") Over cross-slide 245mm (9 5/8") In gap 585mm (23") Width in front of faceplate 165mm (6 1/2")	<b>Rapid Traverse Rate</b> 3m/min Cross = Half Longitudinal
<b>Spindle</b> Bored to pass 54mm (2 1/8") Nose Type D1-6" Camlock Morse taper in bush No.4 M.T.	<b>Threads</b> All Metric pitches up to 14mm Pitch All Imperial T.P.I. down to 2 T.P.I. All Module pitches up to 3.5 MOD All Diametral pitches down to 8 DP
<b>Spindle Speeds</b> Three infinitely variable ranges of 15-275, 35-795, 110-2500 rev/min	<b>Feeds</b> 12 Metric Feeds 0.03 - 0.4mm / rev 12 Imperial Feeds 0.001 - 0.016 in/rev Feed override ± 50% Cross feeds = half longitudinal values
<b>Constant Power Range</b> (5.5kW) 125 to 2500rpm	<b>Overall Length</b> 650mm (25") machine 1960mm (77") 1250mm (50") machine 2560mm (101")
<b>Main Motor &amp; Inverter Drive</b> 7.5Kw (10HP)	<b>Overall Width</b> 1445mm (57")
<b>Bed</b> Width of ways 318mm (12 1/2") Type of ways Vee and flat	<b>Overall Height</b> 1572mm (62")
<b>Cross-slide</b> Width 180mm (7") Travel 250mm (9 13/16")	<b>Weight</b> 650mm (25") between centres 1700kg (3748lb) 1250mm (50") between centres 1800kg (3968lb)
<b>Mounting Block for Toolpost</b> Top Surface 112 x 112mm (4 3/8" x 4 3/8") Height Spindle Centre Line to Tool Post 45mm (1 3/4") Mounting Surface	For other dimensions, See the foundation plan in the installation section of this manual.
<b>Tailstock</b> Quill diameter 73mm (2 7/8") Travel 140mm (5 1/2") Morse taper No.5 M.T. Set over ± 10mm" (3/8")	For Lubrication types and capacities see the Lubrication diagram on page 5 of the operation section of this manual.
	<b>Coolant Tank Capacity</b> 650mm (25") machine 32 Litres (7 gallons) 1250mm (50") machine 80 Litres (17 gallons)

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