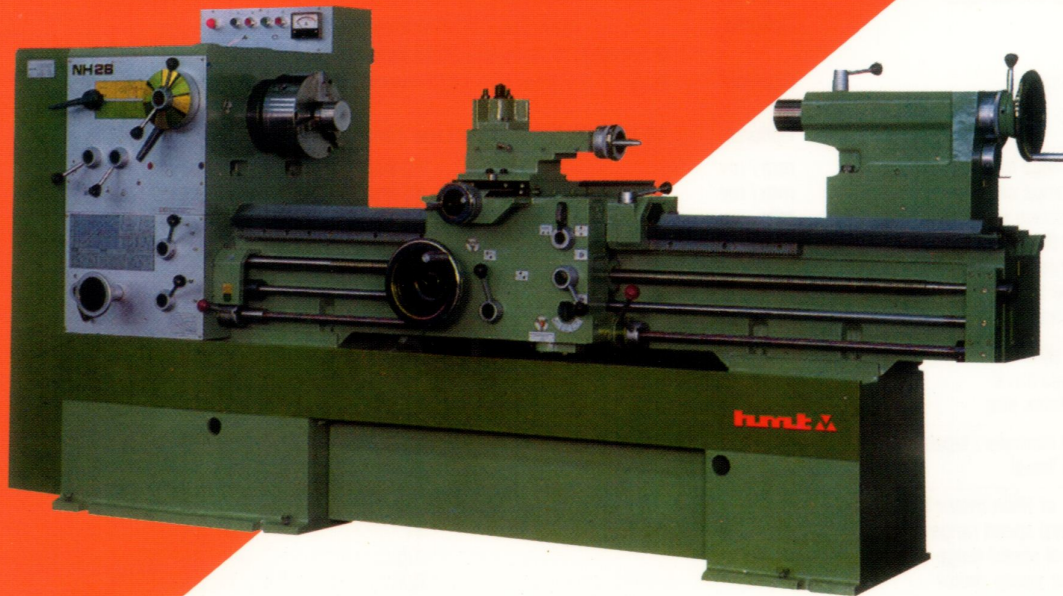


# NH 22/26/32

## HIGH SPEED PRECISION LATHES



**Built with  
power, precision  
and versatility  
for achieving  
unmatched  
capabilities  
in precision  
turning**



- 11kW power for chip removal • Rigid triangular section wide bed • Heavy box type tailstock with 90mm quill dia • Short spindle and shafts for maximum drive rigidity • Straight bed and gap version with removable bridge piece • Self-compensating hydraulic clutch with sintered bronze plates
- Computer optimised bed and headstock drive
- All drive gears case hardened and ground • Dry sump lubrication for minimum thermal deformation
- Rigid carriage and cross slide to withstand heavy metal removal • Induction hardened integral guideways (for 1 and 1.5m beds only)

### Special Accessories

- 3 jaw self-centering chuck • 3 jaw precision self-centering chuck-hydraulic / pneumatic chuck • Universal face plate
- Collet chuck and collets • Rear tool post • Steady rest  $\varnothing 8 - \varnothing 145$  • Steady rest  $\varnothing 135 - \varnothing 250, \varnothing 235 - \varnothing 350$
- Roller steady rest • Follow rest  $\varnothing 8 - \varnothing 80$  • Roller follow rest
- Longitudinal stop • Roll stop • Taper turning attachment
- Multicut copying attachment • Emergency push button
- Special gears for non-standard threads • Change gears for DP threads • Coolant equipment • Splash guard and chip tray
- Chip guard • Chuck guard • Machine lamp • Low speed version 20-1020 rpm (7.5 kW) • Inch / metric dual dials for cross slide, top slide, apron and tailstock

**SPECIFICATIONS**

			NH22	NH26	NH32		
<b>CAPACITY</b>	Height of centres (nominal)*	mm	220	260	320		
	Type of bed	Standard	Straight	Straight	Straight		
		Optional	Gap with removable bridge piece				
		Swing over bed	mm	500	575	640	
	Swing over carriage wings	mm	480	545	615		
	Swing over cross slide	mm	270	350	420		
	Swing in gap	mm	720	800	870		
	Width of gap in front of face plate	Optional bed	mm	175	175	175	
			mm	415	415	415	
			mm	1000, 1500, 2000 and 3000			
Distance between centres	mm	900, 1400, 1700, 2700					
Carriage travel	mm						
<b>HEADSTOCK</b>	Spindle nose / bore	Standard	A2-6 / 53 mm		A2-8 / 80 mm		
		Optional	Camlock-6 / 53 mm A2-8 / 80 mm, Camlock 8 / 80 mm		Camlock-8 / 80 mm		
	Spindle socket taper	Standard	Metric 60 / 53 mm bore		ASA 350		
		Optional	ASA 350 / 80 mm bore				
	Speed range	Standard	Ø 53mm bore	16 from 40 - 2040 forward and Ø 80mm 7 from 60 - 1430 reverse bore		16 from 32-1632 forward and 7 from 48-1150 reverse	
Optional		16 from 20-1020 forward and 7 from 30-715 reverse					
<b>FEEDS AND THREADS</b>	Feed range longitudinal	mm / rev	60 from 0.04-2.24		Indicated feeds 27 Nos.		
	Feed range cross	mm / rev	60 from 0.02-1.12				
	Lead screw pitch	mm	6				
	Metric threads	mm	48 from 0.5-28				
	Inch threads	tpi	60 from 56-1		**		
	Module threads	mm	40 from 0.25-14				
	Diametral pitch	Optional	43 from 112-2				
<b>CARRIAGE</b>	Cross slide travel	mm	300				
	Top slide travel	mm	150				
	Tool shank size	mm x mm	25 x 25				
<b>TAIL STOCK</b>	Sleeve diameter / taper	mm	90 / MT5				
	Sleeve Travel	mm	200				
<b>GENERAL</b>	Power of Main motor for :						
	Standard speed range	kW	11				
	Optional speed range	kW	7.5				
	Coolant pump motor	kW	0.1				
	Distance between centres	mm	1000	1500	2000	3000	
	Weight nett (approx)	NH22	kgs	2230	2430	2750	3150
		NH26	kgs	2300	2500	2820	3230
		NH32	kgs	2500	2700	3020	3420
	Floor space required	mm	1176 x 2465	1176 x 2965	1176 x 3465	1176 x 4465	

\* Actual centre heights 245 mm for NH 22, 285 mm for NH 26 and 320 mm for NH 32.

\*\* For cutting coarse pitches (above 12mm / 4 module / below 2TPI) Low spindle speed machine with min 20 rpm is required.

Capacity limitations due to lower Cross Slide travel for NH 32

- a. Maximum turning diameter between centres – 410
- b. Maximum face turning diameter in face plate with tool in angular position – 600
- c. Maximum turning diameter with std. tool position – 470

**STANDARD EQUIPMENT**

Electricals complete with wiring suitable for standard 3 phase, 415 V, 50c/s, AC supply – Driving plate with peg-spindle reduction sleeve-2 Nos. 60° dead centres – 1 No. rotating centre MT5 – Quick change tool post with 5 tool holders – Set of operating tools – One instruction manual.

**Note:** Standard / Special Accessories / Features as per quotation.

Illustrations and specifications are not binding in detail and are subject to modification without notice.



**J.R. Rao & Co.**

**COMPLETE CUTTING TOOLS & METAL FORMING**

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