TECHNICAL CHARACTERISTICS

Denomination		Type of lathe			
		SNA 630	SNA 710	SNA 800	SNA 1000
1. Main characteristic data:					
— maximum rotational diameter over bed guides	mm	630	710	800	1000
— centre height in relation to longitudinal guides	mm	302	342	392	500
— centre distance	mm	1000—1500—2000—3000—4000—5000			
— maximum turning diameter above slide:					
single-slide type	mm	320	400	500	620
two-slide type	mm	400	480	580	—
— maximum turning diameter from bar through main spineld	mm	80 or 102			
— maximum turning diameter with travelling steady	mm	200	200	200	200
		300	300	300	400
— maximum turning diameter with fixed steady	mm	240	240	240	240
		400	400	400	400
— bridge turning diameter	mm	850	950	1060	1250
— length of the part that can be bridge machined	mm		300		
2. Headstock					
— main spindle head: centring cone and bayonet disk 290 STAS 7960—67 or camlock C 11 STAS 7960/3-73					
— spindle bore diameter	mm	82 or 105			
— spindle bore cone	mm	metric 100 or 120			
— spindle bore adapter cone	mm	Morse 6			
— number of main spindle rotative speed steps		23			
— geometrical progression ratio		1.26			
— range of rotative speed	rpm	8 to 1 250 or 10 to 1 600			
— number of main spindle reverse speed steps		12			
— range of reverse rotative speeds	rpm	11 to 1400 or 14 to 1750			
3. Feed and thread gear box					
— number of possible longitudinal and transverse feed rates		44			
— range of longitudinal feed rates	mm/rev	0.056 to 10			
— range of transverse feed rates	mm/rev	0.028 to 5			
— number of metric threads		43			
— range of metric threads	mm	1 to 176			
— number of Whitworth threads		42			
— range of Whitworth threads	pitch/1 inch	80 to 1/4			

IST

Crt. No	Denomination		Type of lathe			
			SNA 630	SNA 710	SNA 800	SNA 1000
— number of module threads				39		
— range of module threads		module		0.5 to 80		
— number of diametral pitch threads				40		
— range of diametral pitch threads				160 to 1		
— number of threads in inches				46		
— range of threads in inches		inches		1/32 to 10		
4.	**Slide and supports**					
— vertical distance from centre line to the tool setting base		mm		40		
— tool maximum section		sp.mm		40 × 40		
— tool holder slide angle of rotation				+90°		
— cross slide lead screw pitch		mm		8		
— cross slide travel value for a division of the graduated ring		mm		0.05		
— tool-holder slide lead screw pitch		mm		5		
— tool-holder slide travel value for a division of the graduated ring		mm		0.05		
— cross slide max. travel:						
— one-slide version		mm	400	400	400	500
— two-slide version		mm	290	290	290	—
— longitudinal slide max. travel L = 1000,1500, 2000, 3000, 4000, 5000		mm	900,	1400, 3900	1900, 4900	2900
— accuracy in repetition with longitudinal travel plug tripping:						
a) with no-load shifts mechanical tripping				±0.1		
b) with load shifts-finish tripping				±0.2		
c) ditto — rough tripping				±0.3		
5.	**Lathe slide**					
— Lead screw pitch		mm		12		
— Rack module		mm		3.5		
— Rack toothing width		mm		40		
— Longitudinal quick feed value		m/minute		3.7		
— Transverse quick feed value		m/minute		1.85		
6.	**Tailstock**					
— centre cone in spindle sleeve bore				Morse 5 or Morse 6		
— spindle sleeve max. travel		mm		300		
— tailstock cross traverse motion		mm		±10		
7.	**Drive**					
— three-phase asynchronous squirrel cage motor for 660/380 V, 50 c/s, 380 V star-delta starting, with stand						
— motor power		kW		18.5 or 22		
— motor rotative speed		rpm		1000		
— three-phase asynchronous squirrel cage quick feed motor for 0.6 kW, 1500 rpm, 380/220 V, 50 c/s with flange						