

A-4 SPECIFICATIONS

2.2 SL-154S

		SL-154S
Capacity	Swing over bed	680 (26.77) <Interference with front cover: 456 (17.95)>
	Swing over cross slide	455 (17.91)
	Maximum distance between spindle noses	630 (24.8)
	Maximum turning diameter	430 (16.93)
	Standard turning diameter	184 (7.24)
	Maximum turning length	350 (13.78)
	Bar work capacity*1	No. 1: 45 (1.77)
	X-axis travel	230 <210+20> (9.06 <8.27 + 0.79>)
	Z-axis travel	520 (20.47)
	Spindle 2 travel (ZS-axis)	430 (16.93)
Travel	Max. spindle speed*2	60-6000
	Number of spindle speed ranges	2 <winding>
	Type of spindle nose	JIS A ₂ -5
Spindle 1	Through-spindle hole diameter	56 (2.20)
	Spindle bearing inner diameter	90 (3.54)
	Max. spindle speed*2	60-6000
	Number of spindle speed ranges	2 <winding>
	Type of spindle nose	JIS A ₂ -5
	Through-spindle hole diameter	43 (1.69)
Spindle 2	Spindle bearing inner diameter	80 (3.14)
	Chuck	5"
	Number of turrets	1
	Type of turret	12 St.
	Number of tools on turret	12
	Square shank height of tool	20 (0.79)
Turret	Shank diameter of boring bar	Max. 32 (1-1/4) <Max. 25 (1)>*3
	Rapid traverse rate	X: 18000 (708.66) Z: 24000 (944.88) ZS: 24000 (944.88)
	Jog feedrate	0-1260 (0-50) <15 Steps>

SL-154S			
Motors	Spindle 1 drive motor (30 min./continuous rating)	kW (HP)	7.5/5.5 (10.05/17.37) [15/11 (20.10/14.74)] ^{*4}
	Spindle 2 drive motor (30 min./continuous rating)	kW (HP)	7.5/5.5 (11/7.5) ^{*4}
	Feed motors	kW (HP)	X: 1.5 (2.01) Z, ZS: 2.0 (2.68)
	Hydraulic pump motor	kW (HP)	0.75 (1.01)
	Lubricant pump motor	kW (HP)	0.02 (0.03)
	Coolant pump motor <50 Hz>	kW (HP)	0.52 (0.70) <0.325 (0.44)>
	Electrical power supply (Continuous rating)	kVA	30.0 [39.9] ^{*4} [33.3] ^{*5} [43.3] ^{*4*5}
Required power source	Compressed air supply	MPa (psi), L/min (gpm)	0.5 (725.5), 100 (26.4) <ANR> ^{*6}
	Hydraulic oil tank capacity	L (gal.)	12 (3.17)
Tank capacity	Lubricant tank capacity	L (gal.)	4 (1.06)
	Coolant tank capacity	L (gal.)	205 (54.12) [160 (42.24)] ^{*7}
Machine size	Machine height	mm (in.)	1841 (7248)
	Required floor space	mm (in.)	2320 × 1873 (91.34 × 73.74)
	Mass of machine	kg (lb.)	4000 (8800)
Force & Diameter	Clamping force of turret	N (lbf)	39226 (8800) <at 3.4 MPa (497.7 psi)>
	Coupling diameter	mm (in.)	210 (8.27)
	Ball screw diameter <Pitch>	mm (in.)	X: 28 (1.10) <6> Z: 36 (1.41) <12>



(1) Values in [] are for options.

(2) ^{*1} Bar work capacity may be restricted due to chuck, cylinder, etc.

^{*2} Depending on restrictions imposed by the workpiece clamping device, jig, and tool used, it may not be possible to run at the maximum spindle speed.

^{*3} For double boring bar holder

^{*4} High output specification

^{*5} For the spindle 2 with high output specification drive motor

^{*6} ANR indicates the standard air state - temperature of 20°C, absolute pressure of 101.3 kPa, and relative humidity of 65%.

^{*7} Front removal type