

LB-III Series



			LB-35III				LB-35III (M)				LB-45III					LB-45III (M)				
CAPACITY	ITEM	UNIT	600T	850C	1500C	2000C	600T	850C	1500C	2000C	500T	1000C	2000C	3000C	4000C	500T	1000C	2000C	3000C	4000C
	Controlled Axes		2				3				2					3				
	Swing Over Bed	mm (in)	ø700 (27.56)								ø900 (35.43)									
	Swing Over Saddle	mm (in)	Ø 430 (16.93)								ø550 (21.65)									
	Max Turning Dia-Upper	mm (in)	Ø 460 (18.11)								Ø 660 (25.98)					Ø 660 (25.98)				
	Travel X	mm (in)	330 <245+85> (13.00 <9.65+3.35>)								440 {330 + 110} (17.32 {12.99 + 4.33})									
	Travel Z	mm (in)	920 (36.22)		1,570 (61.81)	2,070 (81.50)	920 (36.22)		1,570 (61.81)	2,070 (81.50)	1,060 (41.73)		2,060 (81.10)	3,060 (120.47)	4,060 (159.8)	1,060 (41.73)		2,060 (81.10)	3,060 (120.47)	4,060 (159.8)
	Travel C	mm (in)	---				360° (0.001°)				---					360° (0.001°)				
	Max Work Length	mm (in)	600 (23.62)	850 (33.46)	1,500 (59.06)	2,000 (78.74)	600 (23.62)	850 (33.46)	1,500 (59.06)	2,000 (78.74)	750 (29.53)	1,000 (39.34)	2,000 (78.74)	3,000 (118.11)	4,000 (157.48)	750 (29.53)	1,000 (39.34)	2,000 (78.74)	3,000 (118.11)	4,000 (157.48)
SPINDLE	Spindle Nose Type		JIS A2-8 [JIS A2-11] <JIS A2-15>								JIS A2-11 [JIS A2-11]									
	Spindle Bore		ø90 [ø110] <ø180> (3.54 [4.33] <7.09>)								ø110 [ø130] (4.33 [5.12])									
	Total Speed Range		14 to 3,200 [12 to 2,800] <40 to 1,400 min-1>								12 to 2,800 [10 to 2,400] <31 to 900 min-1>									
	Std. Power (30 min/cont)		VAC 30/22 (40/30), VAC 37/30 (50/40)*								VAC 37/30 (50/40) [VAC 45/37 (60/50)]*									
TURRET	Type		V12 NC turret				Multitasking V12 NC turret				V12 NC turret					Multitasking V12 NC turret				
	No. of Tool Stations-Upper		12				12(L/M)				12					12 (L/M)				
	Tool Shank Height	mm (in)	25 (1)								32 (1-1/4)									
	Boring Bar Shank Diameter	mm (in)	50 (2)								ø63 (2-1/2)									
	Indexing Time	sec.	0.3/1 index								0.7/station (lift-up)									
FEED RATE	Rapid Traverse	m/min (ipm)	X: 15,000 (591) / Z: 20,000 (787)				X: 15,000 (591) / Z: 20,000 (787) / C: 100 min ⁻¹				X: 15,000 (591) / Z: 20,000 (787)					X: 15,000 (591) / Z: 20,000 (787) / C: 100 min ⁻¹				
	Cutting Feedrate	mm (in)	X-Z : 0.001 to 1,000.000 (0.001 to 40.000)								X-Z: 0.001 to 1,000.000 (0.0001 to 40.0000)									
TAILSTOCK	Quill Diameter	mm (in)	---	ø120 (4.72)			---	ø120 (4.72)			---	ø130 (5.12)			---	ø130 (5.12)				
	Quill bore taper		---	MT 5 (built-in center)			---	MT 5 (built-in center)			---	MT 5 (built-in center)			---	MT 5 (built-in center)				
	Quill travel	mm (in)	---	170 (6.70)			---	170 (6.70)			---	170 (6.69)			---	170 (6.69)				
SIZE	Height	mm (in)	2,210 (87.01)		2,325 (91.54)		2,210 (87.01)		2,325 (91.54)		2,587 (101.85)		2,617 (103.03)	2,505 (98.62)	2,545 (100.2)	2,587 (101.85)		2,617 (103.03)	2,505 (98.62)	2,545 (100.2)
	Floor Space (including tank)	mm (in)	3,995 × 2,663 (157.28 × 104.84)		4,865 × 2,663 (191.54 × 104.84)	5,890 × 2,663 (231.89 × 104.84)	3,995 × 2,663 (157.28 × 104.84)		4,865 × 2,663 (191.54 × 104.84)	5,890 × 2,663 (231.89 × 104.84)	4,240 × 3,145 (166.93 × 123.82)		5,740 × 3,145 (225.98 × 123.82)	6,990 × 2,920 (275.2 × 114.96)	8,550 × 3,181 (336.61 × 125.2)	4,240 × 3,145 (166.93 × 123.82)		5,740 × 3,145 (225.98 × 123.82)	6,990 × 2,920 (275.2 × 114.96)	8,550 × 3,181 (336.61 × 125.2)
	Weight (w/CNC System)	kg (lbs)	9,100 (20.020)	9,500 (20.900)	11,400 (25.080)	12,900 (28.380)	9,400 (20.680)		11,700 (25.740)	13,200 (29.040)	12,000 (26,400)	12,500 (27,500)	14,500 (31,900)	18,000 (39,600)	19,500 (42,900)	12,500 (27,500)	13,000 (28,600)	15,000 (33,000)	18,500 (40,700)	20,000 (44,000)
CNC			OSP-P300L								OSP-P300L									

[] : Big-Bore specs < > : Super Big-Bore specs * : High power motor specs