

	Item	Unit	LU35II				LU35II(M)					
			2ST × 600	2SC × 850	2SC × 1500	2SC × 2000	2ST × 600	2SC × 850	2SC × 1500	2SC × 2000		
Capacity	Swing over bed	mm (in)	ø740 (29.13)			ø690 (27.17)		ø740 (29.13)			ø690 (27.17)	
	Swing over saddle	mm (in)	ø480 (18.90)									
	Distance between centers	mm (in)	–	850 (33.46)	1,500 (59.06)	2,000 (78.74)	–	850 (33.46)	1,500 (59.06)	2,000 (78.74)		
	Max turning diameter	mm (in)	ø550 (21.65)				ø550 (21.65)					
	Max work length	mm (in)	600 (23.62)	920 (36.22)	1,570 (61.81)	2,070 (81.50)	600 (23.62)	920 (36.22)	1,570 (61.81)	2,070 (81.50)		
	Max work weight	kg	Single support: 210 [270], double-centered support: 1,000									
Travels	X axis	mm	UT: 380 {275+105}/LT: 250 {180+70}				UT: 380 {280+100}/LT: 250 {180+70}					
	Z axis	mm	UT: 920 LT: 875	UT: 1,570 LT: 1,525	UT: 2,070 LT: 2,025	UT: 920 LT: 875		UT: 1,570 LT: 1,525	UT: 2,070 LT: 2,025			
	C axis		–				360°					
Spindle	Speed	min ⁻¹	14 to 3,200 [12 to 2,800] <40 to 1,400>									
	Speed ranges		4 auto ranges (2 gears x 2 range motor coil switching) <stepless >									
	Spindle nose		JIS A2-8 [JIS A2-11] <JIS A2-15>									
	Spindle bore dia	mm (in)	ø90 (3.54) [ø110 (4.33)] <ø180 (7.09)>									
	Front bearing dia	mm (in)	ø130 (5.12) [ø150 (5.91)] <ø220 (8.66)>									
	Turret (NC)	Type		UT: V12 / LT: V10				UT: M-V12 / LT: VDI-V10				
No. of tools			UT: V12 / LT: V10				UT: 12 (L, M) / LT: 10					
OD tool shank dimensions		mm (in)	25 x 25 (1 x 1)									
ID tool shank diameter		mm (in)	ø50 (1.97)									
Turre indexing time		sec	0.3/index (non-lift)									
Milling Tool		Spindle speed	min ⁻¹	–				40 to 2,000				
Feedrates	Rapid traverse	m/min (fpm)	X: 15 (49) / Z: 20 (66)				X: 15 (49) / Z: 20 (66) / C: 150 min ⁻¹					
Tailstock	Quill diameter	mm (in)	–	ø120 (4.72)			–	ø120 (4.72)				
	Quill bore taper		–	MT No. 5 (built-in)			–	MT No. 5 (built-in)				
	Quill travel	mm (in)	–	170 (6.69)			–	170 (6.69)				
Motors	Spindle drive (30 min/cont)	kW (hp)	Wide range 30/22 (40/30), 37/30 (50/40)*1 [30/22 (40/30), 37/30 (50/40)*1] <37/70 (50/93)>									
	Milling tool spindle motor (30 min/cont)	kW (hp)	–				5.5/3.7 (7.5/5) (30 min/cont)					
	Axis drive motors	kW (hp)	XA: 3.6 (4.8); XB: 3.0 (4); ZA/ZB: 4.2 (5.6)									
	Coolant pump motors	kW	Side discharge: 0.4 × 2, rear discharge: 0.4 × 1, 0.8 × 1									
Machine Size	Height *2	mm (in)	2,590 (101.97)			2,745 (108.07)		2,590 (101.97)			2,745 (108.07)	
	Floor space (including tank) *2	mm×mm	4,535 × 2,873		5,185 × 3,043		5,935 × 3,098		4,535 × 2,873		5,185 × 3,043	5,935 × 3,098
	Weight (w/CNC system)	kg (lb)	13,100 (28,820)	13,700 (30,140)	15,400 (33,880)	16,600 (36,520)	13,200 (29,040)	13,800 (30,360)	15,500 (34,100)	16,700 (36,740)		
CNC		OSP-P300LA										

[] : Big bore spindle < > : Super big bore spindle *1. High-power motor *2. For machine-side chip discharge setups