

OKUMA LB3000EX-II

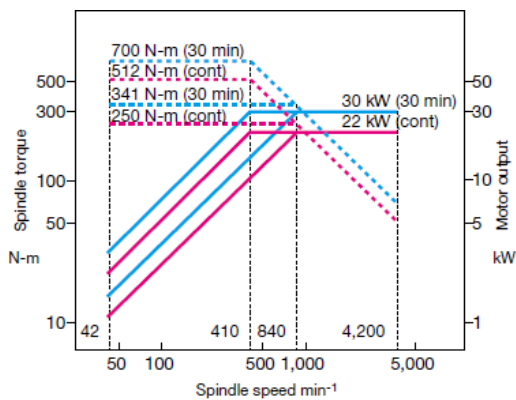
Swivel diameter over the bed	580 mm
Max. machinable diameter	340 mm
Machinable workpiece length	950 mm
Displacement (X)	260 mm
Displacement (Z)	510 mm
Displacement (Y)	120 mm (+70/-50)
C-axis	360 degrees (0.001 degrees increments)
Main spindle speed	4,200 rpm
Main spindle ending	JIS A2-8
Main spindle hole diameter	∅ 91 mm
Front spindle bearing diameter	∅ 140 mm
Revolver head type	M-V12
Number of tools	12
Tool size	25x25 mm
Tool stem diameter	∅ 40 mm
Tool change time	0.1 sec
Driven tool speed	45 - 6,000 rpm
Express (X)	25 m/min
High-speed service (Z)	30 m/min
High-speed service (Y)	12,5 m/min
Rivet stroke	1.015 mm
Spindle power (30 minutes/continuous)	30/22 kW
Main spindle torque (30 minutes/continuous)	700/512 N-m
Driven tool performance (25 minutes/continuous)	7.1/4.1 kW
Driven tool torque (25 minutes/continuous)	40.4/23.4 N-m
Machine dimensions (L x W x H)	3.420 x 2.041x 2.444 mm
Machine weight	6.600 kg
Control	OKUMA OSP-P300LA

Standard specification of OKUMA LB3000EXII MY lathe:

1	OKUMA LB3000EXII MY CNC Lathe OKUMA OSP-P300L with CNC controller (15" OSP Suite), CE marked	1 set
1-1	Spindle revolutions, 5.000 min-1	1 set
1-2	Main spindle motor, PREX 30/22 kW (30 minutes/continuous)	1 set
1-3	Main spindle termination, JIS A2-8, \varnothing 91 mm, motor spindle	1 set
1-4	C-axis control, 360 degrees, 0.001 degrees increments	1 set
1-5	Y-axis, stroke 120 mm (+70/-50 mm)	1 set
1-6	V12 new type of revolver head for radial and axial driven tool	1 set
1-7	NC Rivet, MT No.5	1 set
1-8	Spindle Turn 45 - 6,000 min-1	1 set
1-9	Driven tool motor, VAC 7.1/4.1 kW PREX motor (25 min/continuous)	1 set
1-10	SR1670 Permeable Cylinder	1 set
1-11	Double pedals for chuck actuation	1 set
1-12	Rotating tip MT No.5	1 set
1-13	Working space lighting	1 set
1-14	Full cover	1 set
1-15	Chip tray	1 set
1-16	Door latch	1 set
1-17	Machine base and adjusting screws	1 set
1-18	Lubrication supervision	1 set
1-19	Automatic M-code controlled chuck opening and closing	1 set
1-20	Tool measuring manually operated	1 set
1-21	CE marking	1 set
1-22	IEC compliance	1 set
1-23	Transformer	1 set
1-24	Cooling water system with 800 W pump	1 set
1-25	Extended range of motion for puppet (for MY C950)	1 set
1-26	OKUMA OSP-P300L CNC control with 15" color touch screen display	1 set
1-27	OKUMA OSP-P300LA Advanced One Touch IGF-M-E kit specification	1 set
	*Multitasking machines Coordinate conversion (coordinate transformation for C-axis, driven tool machining)	(1 set)

*Multitasking machines Profile generation (profile generator C-axis, driven for tool machining)	(1 set)
*Advanced One Touch IGF (Graphical Programming Assistant)	(1 set)
*Real 3D simulation	(1 set)
*Cycle time over check	(1 set)
*Load monitor	(1 set)
*NC operation monitor	(1 set)
*Cycle time reduction function	(1 set)
*Hi-Cut Pro (machining dependent servo optimization)	(1 set)
*Variable spindle speed control	(1 set)
1-28 2 level position indicator light	1 set
1-29 Program storage 2GB	1 set
1-30 Operating Memory: 2MB	1 set
1-31 Spindle orientation, electric	1 set
1-32 Inch/metric conversion	1 set
1-33 Pitch error compensation (X, Ys, Z axes)	1 set
1-34 Heat compensation on the frame TAS-C	1 set
1-35 Workpiece pop-out monitoring	1 set
1-36 Lifting lugs	1 set

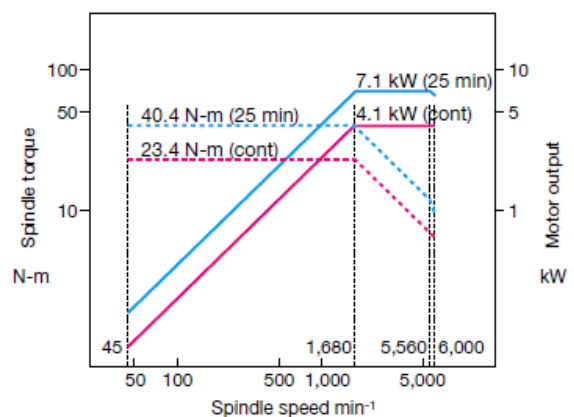
Power-torque diagrams for spindle and driven tool:



Big bore specs

$\varnothing 140$, 4,200min⁻¹
 30/22 kW (30 min/cont)
 700/512 N-m (30 min/cont)

■ Milling tool spindle



6,000 min⁻¹
 PREX 7.1/4.1 kW (25 min/cont)
 40.4/23.4 N-m (25 min/cont)

OKUMA LB3000 EXII MY C950 lathe offer specification with accessories for scraper milling:

3601160	OKUMA LB3000EXII MY C950 Y-axis and driven tool CNC lathe base machine OKUMA OSP-P300Lwith 15 " OSP Suite controller	1 set
3602004	High permeability BigBore spindle, D91 mm inner bore diameter, 4.200 min- 1 rpm and 30/22 kW (30 minutes/continuous)	1 set
3602083	KITAGAWA B-210A8 10" permeable chuck, KITAGAWA SR1670 permeable tightening rollers and tubes	1 set
	3604007 Hinged chip carrier with side outlet, high design 950 model, CE compliant	1 set
3604011	Chip extraction preparation	1 set
3604504	0.8 kW high-pressure refrigerant pump	1 set
3605112	Working space cover washdown on the left	1 set
9201045	One-Touch IGF Advanced M-D controller KIT instead of the standard One- Touch IGF Advance M-E KIT	1 set
9201115	Helical machining for a Y-axis lathe	1 set
9201936	Machining Navi L-g cutting assistant	1 set
9201947	API library 2 (On status) data communication with external units on the controller	1 set
9209251	OKUMA Antivirus 3-Year License (OSP-VPS Virus Protection System)	1 set