

YLM CNC Bending Machine Specifications

MODEL NO.		Electric Servo Bending																	
		16S1	16S2 16S3	25S1	25S2 25S3	25MS LR- 12AElectric	38S1	38S2	38S3	50S1	50S2	50S3	65S1	65S2 65S3	65MS				
SPECIFICATION																			
Max Pipe Diameter (in) - Mild		Ø 5/8"			1"			1.5"			2"			2.560"					
Max Wall Thickness (in)		.048"			.060"			.083"			.098"			.120"					
*Range of Center Line Radius (in)		2-3/4"			4"			7"			8.6"			9.8"					
Max radius difference per level		1-3/8"	1.560"			2.00"			3.150"			3.150"							
Max Bending Angle		190			190			190			190			190					
*Max over mandrel length (in.)		55"			70"			78"			98"			98"					
Operating Speed	Feeding (in/sec)	50"			50"			48"			48"			34"					
	Rotating (° /sec)	360			360			360			270			240					
	Bending (° /sec)	200			180			180			110			90					
Repeatability Accuracy	Feeding (in)	.004"			.004"			.004"			.004"			.004"					
	Rotating ()	.1			.1			.1			.1			.1					
	Bending ()	.1			.1			.1			.1			.1					
Hydraulic Motor (Hp)		5			5			7.5			10			10					
Total Power Hp	Standard	9.75			11			24			18			27			30		35
	Push Roll	9.75			12.75			21			28			34			38		
POB Carriage Boost														38		42			
Max Hydraulic Pressure (psi)		2030			2030			2030			2030			2030					
Oil Tank Capacity (gal.)		16			26			40			58			60					
Cooler (gal/min)		26			26			26			26			26					
Dimensions L x W x H		9 ft x 32 x 57		12 ft x 44" x 59"			13'x67"x59"			13 ft x 44" x 60"			17 ft x 48" x 61"			17 ft x 48" x 61"			
Working Height		44"			44"			48"			47"			46"			45"		
Machine Weight (lbs)		2900	3100	3100	3300			3750	4200		5700	6400		6200	7060	7300			
**Torque (lb/ft)															6,865				

*Length may be extended

**Torque not including additional force generated from POB carriage boost

MODEL NO.		Electric Servo Bending								Hydraulic Bending			
		80S1	80S2	80MS	80MS-BS	90S1	90S2	90MS	90MS-BS	100S1	100S2	130S1	130S2
SPECIFICATION													
Max Pipe Diameter (in)		3.150"				3.50"				4.00"		5.118"	
Max Wall Thickness (in)		.118"				.118"				.157"		.200"	
*Range of Center Line Radius (in)		9.800"				9.800"				14.00"		19.600"	

Max radius difference per level	3.5"			3.5"			3.90"	5.900"	
Max Bending Angle	190			190			190	190	
*Max over mandrel length (in.)	118"			98"			142"	177"	
Operating Speed	Feeding (in/sec)	25"		24"	31"	24"	24"		
	Rotating (° /sec)	210			180			240	160
	Bending (° /sec)	65			60			30	25
Repeatability Accuracy	Feeding (in)	.004"			.004"			.004"	.004"
	Rotating ()	.1			.1			.1	.1
	Bending ()	.1			.1			.1	.1
Hydraulic Motor Hp)	15			20			30	50	
Total Power Hp	Standard	41	45	59	47	50	64	45	60
	Push Roll	44	48	59	49	53	64	52	70
POB Carriage Boost	64	70		52	55				
Max Hydraulic Pressure (psi)	2030			2030			2030	2030	
Oil Tank Capacity (gal.)	110			110			185	210	
Cooler (gal/min)	52			52			52	52	
Dimensions L x W x H	21 ft x 80" x 61"			21 ft x 80" x 61"			20' x 75" x 67"	28 ft x 83" x 75"	
Working Height	46"			46"			47"	47"	
Machine Weight (lbs)	14,300	16,540		15,450		17,650	21,000	26,460	
**Torque (lb/ft)	10,117			13,278			31,100	52,027	

*Length may be extended

**Torque not including additional force generated from POB carriage boost

Technical Data Subject to Change without Notice

Date 5-14-05