

MAXIMA SERVO 950 WP



TECHNICAL SPECIFICATIONS

Injection Unit Specifications	ENGLISH METRIC	3470 Frame			4880 Frame		6610 Frame		10100 Frame		
		A	B	C	A	B	A	B	A	B	
Injection Capacity, Maximum GPPS	oz g	46 1,304	60 1,701	75 2,155	85 2,410	105 2,977	116 3,289	140 3,969	178 5,046	230 6,521	
Theoretical Displacement	in ³ cm ³	84.5 1,385	110.4 1,810	139.8 2,290	155.3 2,545	191.7 3,142	210.9 3,456	255.2 4,181	324.8 5,322	419.4 6,872	
Maximum Injection Pressure	psi bar	33,200 2,290	27,800 1,917	21,900 1,510	27,800 1,917	22,500 1,552	27,700 1,910	22,900 1,579	27,500 1,897	21,200 1,462	
Injection Rate	in ³ /sec cm ³ /sec	28 452	36 590	46 747	40 655	49 809	49 803	59 971	44 596	57 769	
Screw Stroke	in mm	14.2 360			15.7 400		17.3 440		22 560		
Screw Diameter	in mm	2.76 70	3.15 80	3.54 90	3.54 90	3.94 100	3.94 100	4.33 110	4.33 110	4.92 125	
L / D Ratio	L / D	26	23	20	22	20	22	20	23	20	
Low Torque Screw Speed Maximum	rpm	289	253	225	225	202	202	184	161		
Low Torque at Screw	in - lb Nm	22,726 2,566			30,498 3,444		42,924 4,850		77,904 8,802		
	psi bar	2,450 169			2,450 169		2,450 169		2,450 169		
Calculated Recovery Rate (GP Styrene)	oz / sec g / sec	3.2 90	4 115	4.7 134	4.7 134	5.8 164	5.64 160	6.48 184	5.62 159	8.08 229	
High Torque Screw Speed Maximum	rpm	251	251	225	202		155		104		
High Torque at Screw	in - lb Nm	30,876 3,882			41,572 5,227		73,212 8,272		119,952 13,552		
	psi bar	2,450 169			2,450 169		2,450 169		2,450 169		
Calculated Recovery Rate (GP Styrene)	oz / sec g / sec	2.8 78	4 115	4.7 134	4.2 120	5.8 164	4.3 123	5.5 155	3.6 103	5.2 148	
Number of Pyrometers (Barrel / Nozzle)	qty	4/1			4/1		4/1		4/1		
Total Heat Capacity	kW	57.8			53.8		56		61.2		
Clamp											
Clamping Force	ton kN					955 8,500					
Clamp Opening Force	ton kN					43 382					
Clamp Stroke	in mm					72.8 1,850					
Clamp Speed Open/Close	in / sec mm / sec					38 / 33 965 / 838					
Maximum Daylight	in mm					88.6 2,250					
Min/Max Mold Thickness	in mm					15.7 / 47.2 400 / 1,200					
Maximum Mold Weight	lb kg					38,000 17,234					
Platen Size (H x V)	in mm					70.9 x 58.3 1,800 x 1,480					
Distance Between Tie Rods (H x V)	in mm					54.7 x 42.1 1,390 x 1,070					
Tie Rod Diameter	in mm					7.67 195					
Maximum Ejector Stroke	in mm					9.8 250					
Ejector Force @ 2000 psi	ton kN					20.5 182					
General											
Machine Dimensions (L x W x H)	in mm					383 x 118 x 137 9,732 x 2,997 x 3,472					
Shipping Weight (without oil)	lb kg					101,260 46,027					
Hydraulic System Pressure	psi bar					2,950 203					
Gear Pump Capacity	g / min l / min					139 526					
Injection and Extruder (1540 IU)	g / min l / min					101 382					
Eject and CP	g / min l / min					38 144					
Electric Motors	HP kW					72 53					
Oil Reservoir Capacity	gal L					350 1,325					
Heat Exchanger Water @ 85 F	g / min l / min					41 155					

Due to continuous improvements, specifications are subject to change without notice.