

MAXIMA SERVO 580 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	40 655	48 790	44 724	57 934	
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	153		
Low Torque at Screw	in - lb Nm	22,726 2,566			30,498 3,444		40,721 4,598		58,716 6,629		
	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	5.8 164	6.6 188	5.5 156		
High Torque Screw Speed Maximum	rpm	251	251	225	202		141		104		
High Torque at Screw	in - lb Nm	30,876 3,882			41,572 5,227		34,384 3,882		91,072 10,282		
	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	4 114	5.1 144	3.7 106		
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					580 5,150					
Clamp Opening Force	ton kN					28 252					
Clamp Stroke	in mm					71.9 1,825					
Clamp Speed Open/Close	in / sec mm / sec					41 / 41 1,067 / 1,067					
Maximum Daylight	in mm					81.7 2,075					
Min/Max Mold Thickness	in mm					9.80 / 39.4 250 / 1,000					
Maximum Mold Weight	lb kg					22,100 10,025					
Platen Size (H x V)	in mm					56.3 x 49.2 1,430 x 1,250					
Distance Between Tie Rods (H x V)	in mm					43.3 x 36.2 1,100 x 920					
Tie Rod Diameter	in mm					5.71 145					
Maximum Ejector Stroke	in mm					7.9 200					
Ejector Force @ 2000 psi	ton kN					13.2 117					
General											
Machine Dimensions (L x W x H)	in mm					354.1 x 103 x 129 8,994 x 2,615 x 3,278					
Shipping Weight (without oil)	lb kg					57,250 25,968					
Hydraulic System Pressure	psi bar					2,950 203					
Gear Pump Capacity	g / min l / min					101 382					
Injection and Extruder (1540 IU)	g / min l / min					101 382					
Eject and CP	g / min l / min					25 / 21 95 / 79					
Electric Motors	HP kW					55 41					
Oil Reservoir Capacity	gal L					350 1324					
Heat Exchanger Water @ 85 F	g / min l / min					21 79					

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