

MAXIMA SERVO 725



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	35 660	49 800	36 596	47 769	
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	132		
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	6.42 184	4.61 131	6.63 188	
High Torque Screw Speed Maximum	rpm	251	251	225	202		124		85		
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	3.9 112	4.9 141	2.9 84	4.27 121	
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					725 6,490					
Clamp Opening Force	ton kN					36 318					
Clamp Stroke	in mm					69.9 1,775					
Clamp Speed Open/Close	in / sec mm / sec					31 / 30 787 / 762					
Maximum Daylight	in mm					81.7 2,075					
Min/Max Mold Thickness	in mm					11.8 / 43.3 300 / 1,100					
Maximum Mold Weight	lb kg					26,485 12,011					
Platen Size (H x V)	in mm					55.5 x 55.5 1,410 x 1,410					
Distance Between Tie Rods (H x V)	in mm					42.5 x 42.5 1,080 x 1,080					
Tie Rod Diameter	in mm					6.69 170					
Maximum Ejector Stroke	in mm					9.8 250					
Ejector Force @ 2000 psi	ton kN					13.2 117					
General											
Machine Dimensions (L x W x H)	in mm					371.3 x 104 x 132.4 9,430 x 2,642 x 3,364					
Shipping Weight (without oil)	lb kg					75,000 34,014					
Hydraulic System Pressure	psi bar					2,950 203					
Gear Pump Capacity	g / min l / min					115 435					
Injection and Extruder (1540 IU)	g / min l / min					115 435					
Eject and CP	g / min l / min					25 / 21 95 / 79					
Electric Motors	HP kW					55 41					
Oil Reservoir Capacity	gal L					260 984					
Heat Exchanger Water @ 85 F	g / min l / min					21 79					

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