MAXIMA G SERVO 2300

MILACRON

TECHNICAL SPECIFICATIONS

		16000 Frame		23000 Frame		34000 Frame	
Injection Unit Specifications	**ENGLISH** METRIC	**A**	**B**	**A**	**B**	**A**	**B**
Injection Capacity, Maximum GPPS*	**oz** g	**288** 8,174	**362** 10,253	**413** 11,718	**540** 15,305	**607** 17,218	**769** 21,792
Theoretical Displacement	**in³** cm³	**524** 8,590	**658** 10,776	**752** 12,315	**982** 16,085	**1,104** 18,096	**1,398** 22,902
Maximum Injection Pressure	**psi** bar	**27,500** 1,896	**21,900** 1,510	**27,500** 1,896	**21,100** 1,455	**27,500** 1,896	**21,700** 1,496
Injection Rate	**in³ / sec** cm³ / sec	**67** 1,097	**81** 1,327	**77** 1,261	**101** 1,655	**80** 1,310	**101** 1,655
Screw Stroke	**in** mm	**27.60** 700		**31.50** 800		**35.40** 900	
Screw Diameter	**in** mm	**4.92** 125	**5.51** 140	**5.51** 140	**6.30** 160	**6.30** 160	**7.09** 180
L / D Ratio	**L / D**	**22.40****	**20****	**22.90****	**20****	**22.50****	**20****
Low Torque Screw Speed Maximum	**rpm**	****					
Low Torque at Screw	**in - lb** Nm	****					
Low Torque at Pressure	**psi** bar	****					
Calculated Recovery Rate***	**oz / sec** g / sec	****					
High Torque Screw Speed Maximum	**rpm**	**110**		**117**		**97**	
High Torque at Screw	**in - lb** Nm	**156,306** 17,660		**183,760** 20,762		**221,098** 24,981	
High Torque at Pressure	**psi** bar	**2,300** 159					
Calculated Recovery Rate***	**oz / sec** g / sec	**5.60** 158	**7.40** 211	**7.90** 225	**11.10** 313	**9.20** 260	**11.90** 337
Number of Heating Zones	**qty**	**4/1**					
Total Heat Capacity	**kW**	**65**		**91**		**115**	
Nozzle Holding Force	**ton** kN	**12** 107					
Unit Stroke	**in** mm	**42.50** 1,080					
Calculated Injection Power	**hp** kW	**279** 207		**321** 173		**333** 210	
Clamp							
Clamping Force	**ton** kN	**2,330** 20,700					
Opening Force	**ton** kN	**122** 1,085					
Mold Opening Stroke	**in** mm	**118.10** 3,000					
Clamp Speed	**in / sec** mm / sec	**29** 736					
Maximum Daylight with Ejector System	**in** mm	**145.70** 3,700					
Maximum Daylight without Ejector System (optional traverse cylinder location)	**in** mm	**173.30** 4,402					
Minimum / Maximum Mold Thickness with Ejector System	**in** mm	**27.60 / 74.80** 700 / 1,900					
Minimum / Maximum Mold Thickness without Ejector System	**in** mm	**27.60 / 102.40** 700 / 2,602					
Minimum / Maximum Mold Thickness without Ejector System (optional traverse cylinder location)	**in** mm	**55.20 / 102.40** 1,402 / 2,602					
Maximum Mold Weight	**lb** kg	**101,675** 46,120					
Platen Size (H x V)	**in** mm	**102.40 x 86.60** 2,600 x 2,200					
Distance Between Tie Rods (H x V)	**in** mm	**79.30 x 63.60** 2,015 x 1,615					
Tie Rod Diameter	**in** mm	**12.20** 310					
Eject Stroke Maximum	**in** mm	**13.80** 350					
Eject Force @ 2190 psi (150 bar)	**ton** kN	**45** 400					
Mold Locating Ring Inside Diameter	**in** mm	**5** 127					
General							
Machine Dimensions (L x W x H)	**in** mm	**566.50 x 191.40 x 147.30** 14,389 x 4,861 x 3,741		**583.20 x 191.40 x 147.30** 14,814 x 4,861 x 3,741		**627.40 x 191.40 x 147.30** 15,936 x 4,861 x 3,741	
Shipping Weight (without oil)	**lb** kg	**305,965** 138,785		**313,882** 142,376		**346,860** 157,335	
Hydraulic System Pressure	**psi** bar	**2,600** 180					
Pump Capacity @ 100 psi (7 bar)	**gpm** L / min	**268** 1,014					
Servo Motors	**kW**	**115.50**					
Oil Reservoir Capacity	**gal** L	**470** 1,780				**714** 2,700	
Water Requirements Heat Exchanger @ 90° F (32° C)	**gpm** L / min	**25** 95					

*Conversion factor 0.95 g/cc based on polystyrene **L/D calculation includes feedthroat width ***Calculated based on polystyrene ****Does not apply to this model