



# CALYPSO

## Calypso Injection Molding Machines MODEL: AX1210

Injection Unit:	Measuring Unit	Model			
<b>DESCRIPTION:</b>	UNIT	AX1080 / AX1210			
		A	B	C	D
Screw Diameter:	in	3.94	4.33	4.72	5.12
	mm	100	110	120	130
Screw Ratio:	L/D	24	22	20	18.6
Theoretical Injection Capacity	cu in	263.46	318.79	379.42	405.22
	cm <sup>3</sup>	4319	5226	6220	6643
Shot Weight (PS)	oz	137.52	166.46	198.10	232.51
	g	3929	4756	5660	6643
Injection Rate	g/s	750	908	1081	1268
Injection Pressure	psi	30,595	25,230	21,170	18,125
	MPa	211	174	146	125
Screw Speed	rpm	0-110			

Clamping Unit:	Measuring Unit	Model
Clamping Force	US ton	1214
	kN	10800
Opening Stroke	in	48.03
	mm	1220
Space Between Tie Bar	in x in	45.67 x 45.67
	mm x mm	1160 x 1160
Platen Size	in x in	64.96 x 64.96
	mm x mm	1650 x 1650
Min. Mold Height	in	19.69
	mm	500
Max. Mold Height	in	47.24
	mm	1200
Max. Daylight	in	95.28
	mm	2420
Ejector Stroke	in	12.60
	mm	320
Ejector Force	US Ton	24
	kN	215
Number of Ejector Bar(s)		5

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Other Machine Information:	Measuring Unit	Model
Max. Pump Pressure	PSI	2,320
	MPa	16
Servo Motor Power	hp	41.57 + 41.57 + 41.57
	kW	31 + 31 + 31
Heater Power	hp	95.88
	kW	71.5
Oil Tank Capacity	US gal	396
	L	1500
Machine Dimensions (LxWxH)	ft x ft x ft	39.36 x 8.2 x 10.82
	m x m x m	12 x 2.5 x 3.3
Machine Weight	Lbs	112,404
	Ton	51

## Platen Drawing

