



# CALYPSO

## Calypso Injection Molding Machines MODEL: AX455

Injection Unit:	Measuring Unit	Model		
<b>DESCRIPTION:</b>	UNIT	AX408 / AX455		
		A	B	C
Screw Diameter:	in	2.76	2.95	3.15
	mm	70	75	80
Screw Ratio:	L/D	22.5	21	19.7
Theoretical Injection Capacity	cu in	83.33	95.59	108.95
	cm3	1366	1567	1786
Shot Weight (PS)	oz	43.51	49.91	56.88
	g	1243	1426	1625
Injection Rate	g/s	322	370	421
Injection Pressure	psi	28,855	25,085	22,040
	MPa	199	173	152
Screw Speed	rpm	0-170		

Clamping Unit:	Measuring Unit	Model
Clamping Force	US ton	459
	kN	4080
Opening Stroke	in	28.35
	mm	720
Space Between Tie Bar	in x in	28.74 x 28.74
	mm x mm	680 x 680
Platen Size	in x in	43.11 x 43.11
	mm x mm	1005 x 1005
Min. Mold Height	in	9.84
	mm	250
Max. Mold Height	in	29.53
	mm	750
Max. Daylight	in	57.87
	mm	1470
Ejector Stroke	in	7.09
	mm	180
Ejector Force	US Ton	10
	kN	90
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	59.00
	kW	44
Heater Power	hp	34.87
	kW	26
Oil Tank Capacity	US gal	198
	L	750
Machine Dimensions (LxWxH)	ft x ft x ft	24.93 x 6.56 x 8.04
	m x m x m	7.6 x 2 x 2.45
Machine Weight	Lbs	35,264
	Ton	16

### Platen Drawing



