



EK Series Center Clamping Injection Molding Machines
MODEL: BL2100EK/C23000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL2100EK/C23000			
		A	B	C	D
Screw Diameter:	in	5.512	5.906	6.299	6.693
	mm	140	150	160	170
Screw Ratio:		24	22	21	19
Theoretical Injection Capacity	cu in	737.42	846.53	963.16	1087.32
	cm ³	12084	13972	15783	16393
Shot Weight (PS)	g	11117	12762	14521	16393
	oz	392.1	450.2	512.2	578.2
Injection Rate Into Air	cu in/s	79.1	90.8	103.3	116.6
	cm ³ /s	1296	1488	1693	1911
Injection Pressure	psi	27560	23934	21033	18712
	MPa	190	165	145	129
Plasticizing Rate	g/s	145	173	205	240
Injection Stroke	in	30.91			
	mm	785			
Max. Injection Speed	in/s	3.31			
	mm/s	84.2			
Max. Screw Speed	r/min	56			

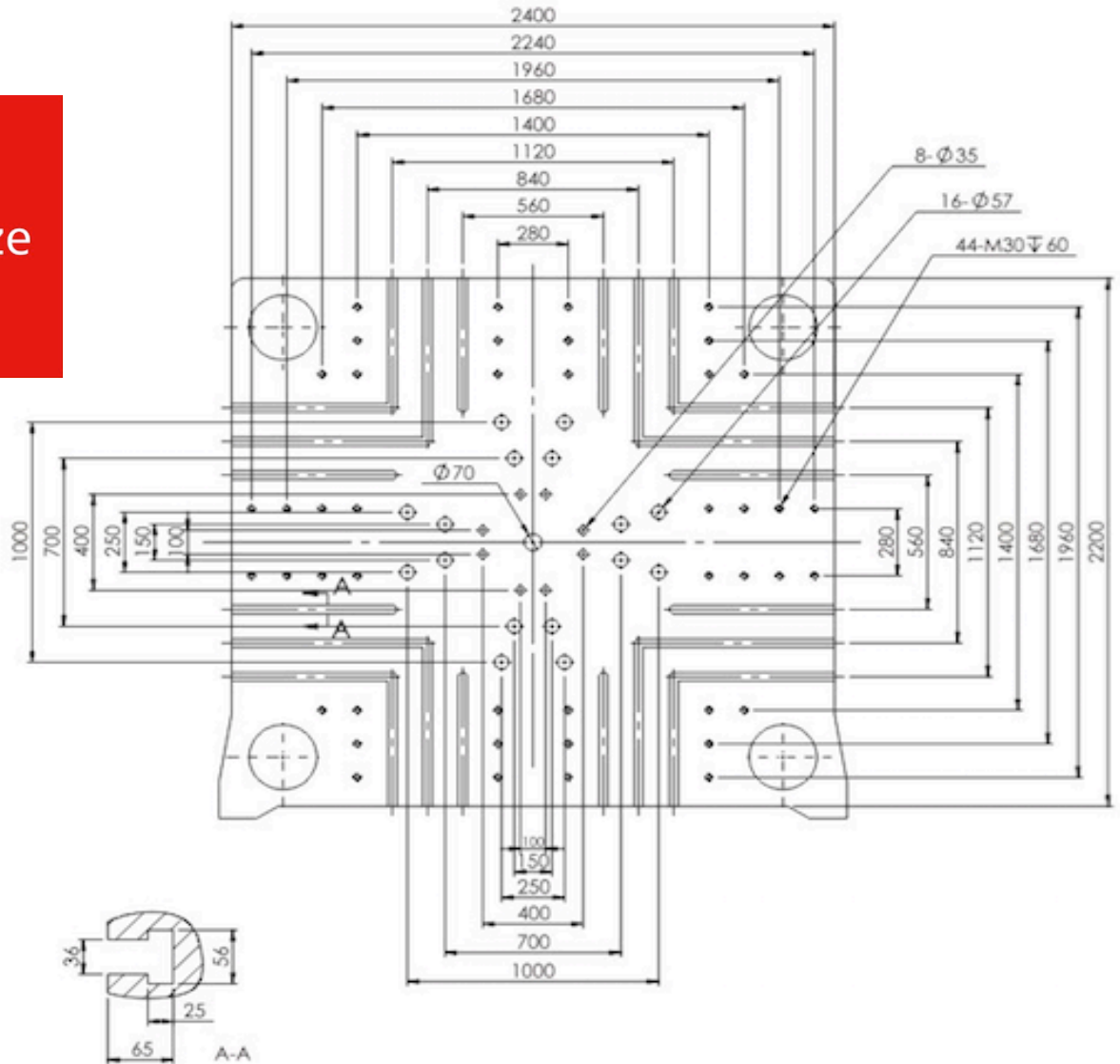
CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	2360
	kN	21000
Opening Stroke	in	73
	mm	1850
Space Between Tie Bar	in x in	68 x 60
	mm x mm	1720 x 1520
Platen Size	in x in	94.49 x 86.61
	mm x mm	2400 x 2200
Min. Mold Height	in	30
	mm	750
Max. Mold Height	in	67
	mm	1700
Max. Distance Platen	in	140
	mm	3550
Ejector Stroke	in	17.7165
	mm	450
Ejector Force Forward	US Ton	48
	kN	425
Ejector Force Back	US Ton	38
	kN	334
Number of Ejector Bar(s)	PC	25

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	33.5+63+63+63
	kW	25+47+47+47
Heater Power	kW	113.9
Number of Temp. Control Zones		8+1
Hoper Capacity	Lbs	882
	kg	400
Oil Tank Capacity	US gal	660
	L	2500
Machine Dimensions (LxWxH)	ft x ft x ft	49.87 x 12.3 x 14.11
	m x m x m	15.2 x 3.75 x 4.3
Machine Weight	Lbs	260000
	Ton	130

Platen Size



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Platen
Side Size

