



EK Series Center Clamping Injection Molding Machines
MODEL: BL2500EK/C28000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL2500EK/C28000			
		A	B	C	D
Screw Diameter:	in	5.906	6.299	6.693	7.087
	mm	150	160	170	180
Screw Ratio:		23	22	21	20
Theoretical Injection Capacity	cu in	900.45	1024.51	1156.57	1296.65
	cm ³	14756	16789	18953	21248
Shot Weight (PS)	g	13575	15446	17437	19548
	oz	478.8	544.8	615	689.5
Injection Rate Into Air	cu in/s	86	97.8	110.4	123.8
	cm ³ /s	1409	1603	1809	2028
Injection Pressure	psi	27412.1	24079	21323	19147
	MPa	189	166	147	132
Plasticizing Rate	g/s	163	194	227	271
Injection Stroke	in	32.87			
	mm	835			
Max. Injection Speed	in/s	3.14			
	mm/s	79.7			
Max. Screw Speed	r/min	53			

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	2810
	kN	25000
Opening Stroke	in	78.75
	mm	2000
Space Between Tie Bar	in x in	71.65 x 64
	mm x mm	1820 x 1620
Platen Size	in x in	100.39 x 92.52
	mm x mm	2550 x 2350
Min. Mold Height	in	31.5
	mm	800
Max. Mold Height	in	67
	mm	1800
Max. Distance Platen	in	149.6
	mm	3800
Ejector Stroke	in	19.685
	mm	500
Ejector Force Forward	US Ton	48
	kN	425
Ejector Force Back	US Ton	38
	kN	334
Number of Ejector Bar(s)	PC	33

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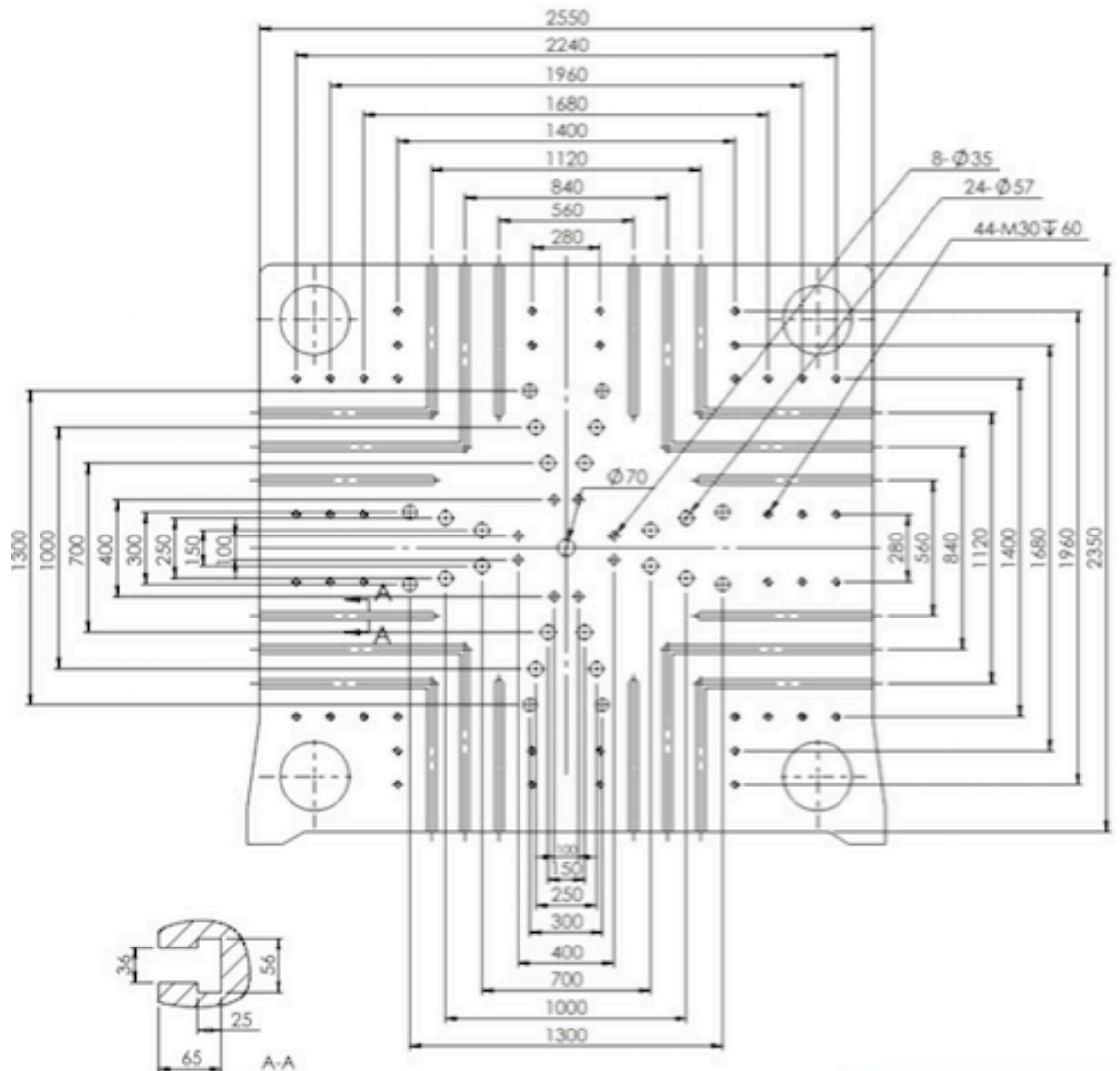
Other Machine Information:

Measure Unit

Model

System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	49.6+63+63+63
	kW	37+47+47+47
Heater Power	kW	122.9
Number of Temp. Control Zones		8+1
Hoper Capacity	Lbs	882
	kg	400
Oil Tank Capacity	US gal	726
	L	2750
Machine Dimensions (LxWxH)	ft x ft x ft	56.43 x 12.95 x 14.76
	m x m x m	17.2 x 3.95 x 4.5
Machine Weight	Lbs	320000
	Ton	160

Platen Size



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Platen
Side Size

