



EK Series Center Clamping Injection Molding Machines
MODEL: BL2800EK/C41000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL2800EK/C41000			
		A	B	C	D
Screw Diameter:	in	6.693	7.283	7.874	8.661
	mm	170	185	200	220
Screw Ratio:		24	22	20	19
Theoretical Injection Capacity	cu in	1281.24	1517.31	1773.34	2145.74
	cm ³	20996	24864	29060	35162
Shot Weight (PS)	g	19316	22875	26735	32349
	oz	681.3	806.9	943	1141.1
Injection Rate Into Air	cu in/s	88	104.3	121.9	147.4
	cm ³ /s	1443	1603	1809	2028
Injection Pressure	psi	28140	23789	20453	16826
	MPa	194	164	141	116
Plasticizing Rate	g/s	206	259	324	420
Injection Stroke	in	36.42			
	mm	925			
Max. Injection Speed	in/s	2.5			
	mm/s	63.5			
Max. Screw Speed	r/min	48			

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	3147
	kN	28000
Opening Stroke	in	83
	mm	2100
Space Between Tie Bar	in x in	76 x 68
	mm x mm	1920 x 1720
Platen Size	in x in	107.09 x 99.21
	mm x mm	2720 x 2520
Min. Mold Height	in	33
	mm	850
Max. Mold Height	in	67
	mm	1900
Max. Distance Platen	in	157
	mm	4000
Ejector Stroke	in	19.685
	mm	500
Ejector Force Forward	US Ton	48
	kN	425
Ejector Force Back	US Ton	38
	kN	425
Number of Ejector Bar(s)	PC	38

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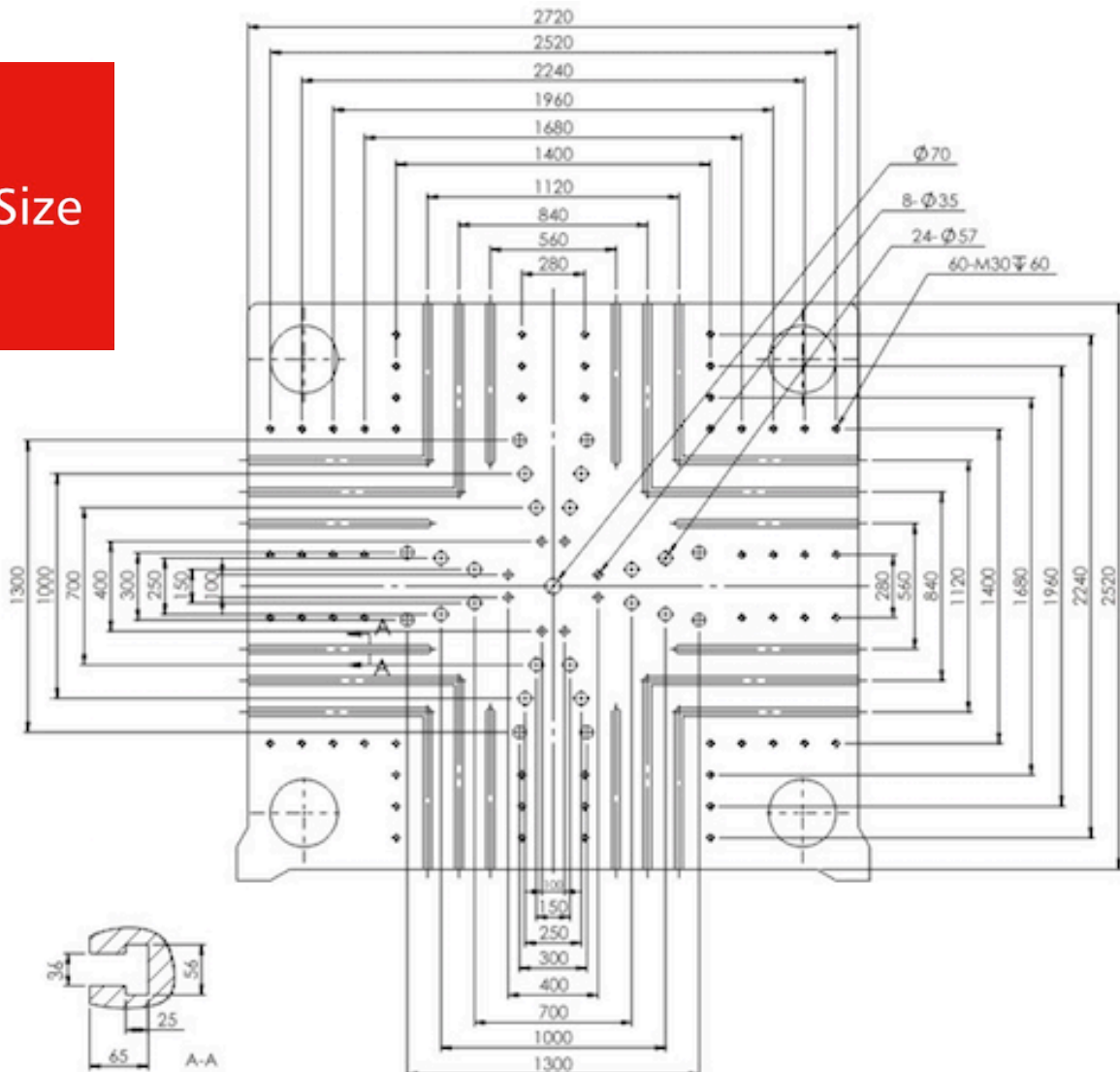
Other Machine Information:

Measure Unit

Model

System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	63+63+63+63
	kW	47+47+47+47
Heater Power	kW	165.3
Number of Temp. Control Zones		8+1
Hoper Capacity	Lbs	882
	kg	400
Oil Tank Capacity	US gal	793
	L	300
Machine Dimensions (LxWxH)	ft x ft x ft	60.7 x 13.62 x 16.73
	m x m x m	18.5 x 4.15 x 5.1
Machine Weight	Lbs	380000
	Ton	190

Platen Size



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Platen
Side Size

