



**EK Series Center Clamping Injection Molding Machines**  
**MODEL: BL500/C3500**

INJECTION UNIT:	Measure Unit	Model			
<b>DESCRIPTION:</b>	UNIT	BL500EK/C3500			
		A	B	C	D
Screw Diameter	in	2.756	3.15	3.346	3.543
	mm	70	80	85	90
Screw Ratio:		24	21	20	19
Theoretical Injection Capacity	cu in	97.46	127.3	43.71	161.11
	cm <sup>3</sup>	1597	2086	2355	2640
Shot Weight (PS)	g	1469	1919	2167	2429
	oz	51.8	67.7	76.4	85.7
Injection Rate Into Air	cu in/s	21.8	28.5	32.1	36
	cm <sup>3</sup> /s	357	467	527	591
Injection Pressure	psi	31912	24369	21613	19292
	MPa	220	168	149	133
Plasticizing Rate	g/s	67	96	113	133
Injection Stroke	in	16.34			
	mm	415			
Max. Injection Speed	in/s	3.66			
	mm/s	93			
Max. Screw Speed	r/min	163			

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	562
	kN	5000
Opening Stroke	in	33
	mm	850
Space Between Tie Bar	in x in	33.85 x 31.5
	mm x mm	860 x 800
Platen Size	in x in	46.85 x 44.49
	mm x mm	1190 x 1130
Min. Mold Height	in	14
	mm	350
Max. Mold Height	in	31
	mm	800
Max. Distance Platen	in	65
	mm	1650
Ejector Stroke	in	8
	mm	210
Ejector Force Forward	US Ton	13
	kN	113
Ejector Force Back	US Ton	8
	kN	75
Number of Ejector Bar(s)	PC	13

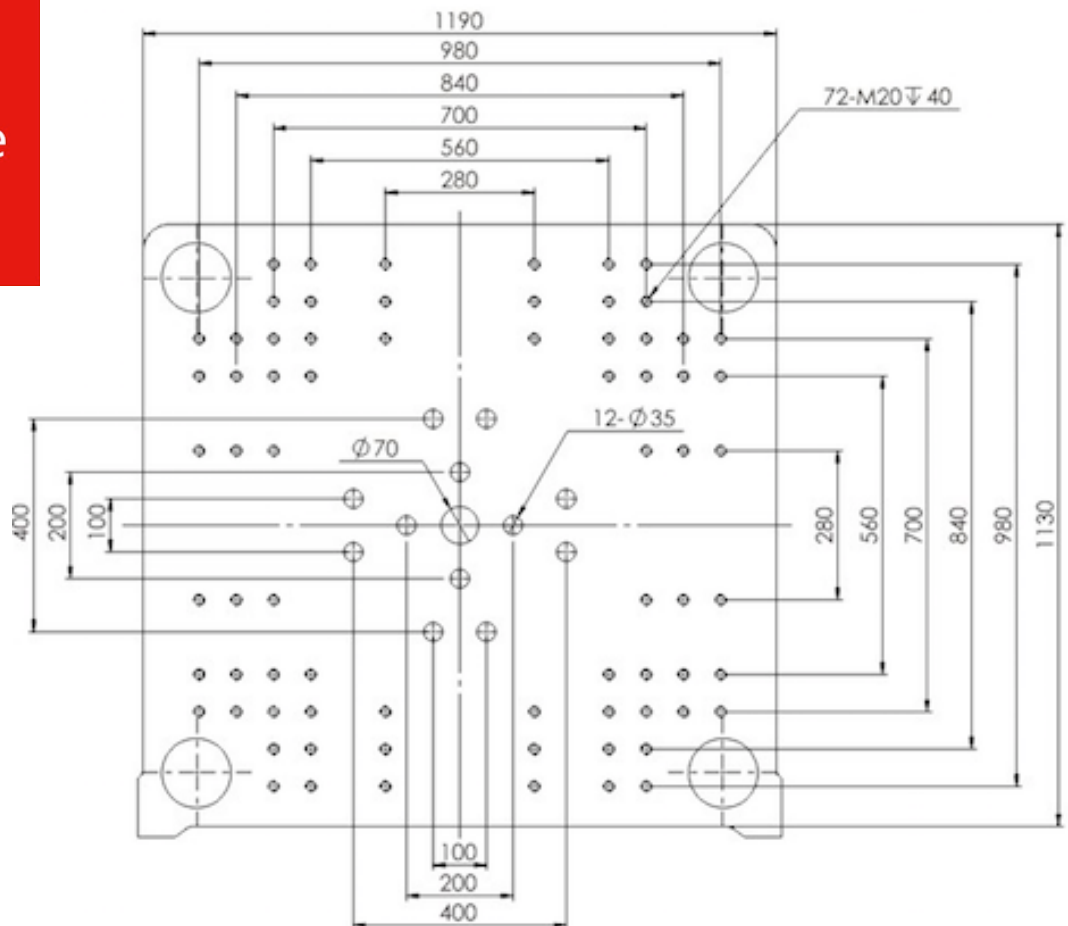
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Other Machine Information:	Measure Unit	Model
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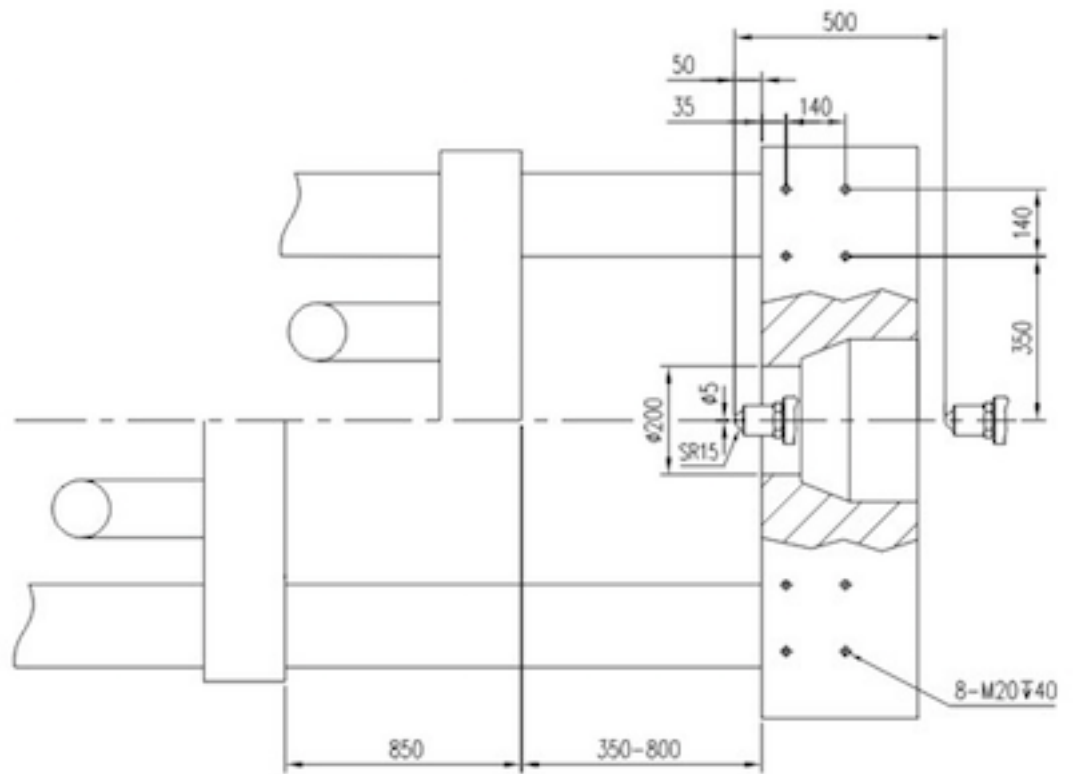
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	22.78+49.6
	kW	17+37
Heater Power		
	kW	32.2
Number of Temp. Control Zones		5+1
Hoper Capacity	Lbs	220.5
	kg	100
Oil Tank Capacity	US gal	198
	L	750
Machine Dimensions (LxWxH)	ft x ft x ft	26.57 x 7.21 x 8.53
	m x m x m	8.1 x 2.2 x 2.6
Machine Weight	Lbs	34000
	Ton	17

### Platen Size



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Platen  
 Side Size



T Slot Platen  
 Dimension Obverse  
 Drawing(Optional)

