



EK Series Center Clamping Injection Molding Machines
MODEL: BL700EK/C5400

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL700EK/C5400			
		A	B	C	D
Screw Diameter:	in	3.346	3.543	3.937	4.331
	mm	85	90	100	110
Screw Ratio:		22	21	19	17
Theoretical Injection Capacity	cu in	173.14	194.11	239.64	289.97
	cm ³	2837	3181	3927	4752
Shot Weight (PS)	g	2610	2926	3613	4372
	oz	92.1	103.2	127.4	154.2
Injection Rate Into Air	cu in/s	36.3	40.7	50.2	60.8
	cm ³ /s	595	667	823	996
Injection Pressure	psi	27270	24369	19727	16391
	MPa	188	168	136	113
Plasticizing Rate	g/s	91	111	145	187
Injection Stroke	in	19.69			
	mm	500			
Max. Injection Speed	in/s	4.13			
	mm/s	105			
Max. Screw Speed	r/min	134			

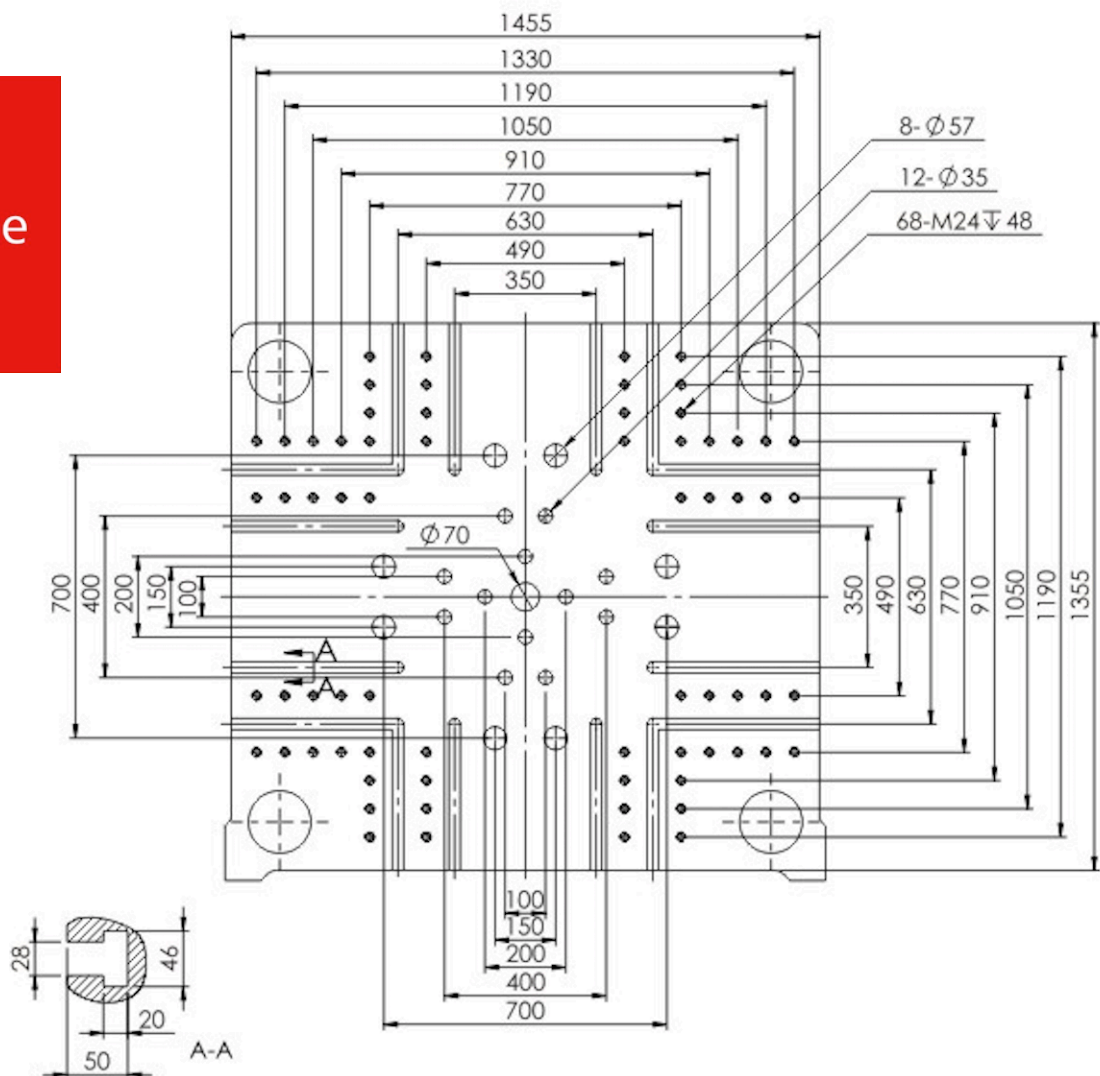
CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	787
	kN	7000
Opening Stroke	in	41
	mm	1050
Space Between Tie Bar	in x in	41.73 x 37.8
	mm x mm	1060 x 960
Platen Size	in x in	57.28 x 53.35
	mm x mm	1455 x 1355
Min. Mold Height	in	18
	mm	450
Max. Mold Height	in	37
	mm	950
Max. Distance Platen	in	79
	mm	2000
Ejector Stroke	in	11
	mm	270
Ejector Force Forward	US Ton	17
	kN	152
Ejector Force Back	US Ton	12
	kN	107
Number of Ejector Bar(s)	PC	21

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	49.6+49.6
	kW	37+37
Heater Power		
	kW	42.9
Number of Temp. Control Zones		5+1
Hoper Capacity	Lbs	220.5
	kg	100
Oil Tank Capacity	US gal	264
	L	1000
Machine Dimensions (LxWxH)	ft x ft x ft	31.5 x 8.68 x 8.85
	m x m x m	9.6 x 2.65 x 2.7
Machine Weight	Lbs	56000
	Ton	28

Platen Size



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Platen
Side Size

