



EK Series Center Clamping Injection Molding Machines
MODEL: BL1300EK/C12000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL1300EK/C12000			
		A	B	C	D
Screw Diameter:	in	4.331	4.724	5.118	5.512
	mm	110	120	130	140
Screw Ratio:		23	21	19.5	18
Theoretical Injection Capacity	cu in	371.16	441.71	518.39	601.21
	cm ³	6082	7238	8495	9852
Shot Weight (PS)	g	5596	6659	7815	9064
	oz	197.4	234.9	275.7	319.7
Injection Rate Into Air	cu in/s	52.1	62.0	72.8	84.4
	cm ³ /s	854	1016	1193	1384
Injection Pressure	psi	28576	24709	20453	17697
	MPa	197	166	141	122
Plasticizing Rate	g/s	116	144	176	218
Injection Stroke	in	25.2			
	mm	640			
Max. Injection Speed	in/s	3.54			
	mm/s	90			
Max. Screw Speed	r/min	84			

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	1461
	kN	13000
Opening Stroke	in	57
	mm	1450
Space Between Tie Bar	in x in	55.9 x 48.08
	mm x mm	1420 x 1220
Platen Size	in x in	78.35 x 70.47
	mm x mm	1990 x 1790
Min. Mold Height	in	23
	mm	580
Max. Mold Height	in	51
	mm	1300
Max. Distance Platen	in	108
	mm	2750
Ejector Stroke	in	14
	mm	350
Ejector Force Forward	US Ton	26
	kN	227
Ejector Force Back	US Ton	17
	kN	151
Number of Ejector Bar(s)	PC	29

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Other Machine Information:

Measure Unit

Model

System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	49.6+49.6+49.6
	kW	37+37+37
Heater Power		
	kW	71.9
Number of Temp. Control Zones		6+1
Hoper Capacity	Lbs	441
	kg	200
Oil Tank Capacity	US gal	435
	L	1650
Machine Dimensions (LxWxH)	ft x ft x ft	40.35 x 10.82 x 13.62
	m x m x m	12.3 x 3.3 x 4.15
Machine Weight	Lbs	130000
	Ton	65

Platen Size



