



EK Series Center Clamping Injection Molding Machines
MODEL: BL120EK/C430

INJECTION UNIT:	Measure Unit	Models		
DESCRIPTION:	UNIT	BL120EK/C430		
		A	B	C
Screw Diameter:	in	1.417	1.575	1.772
	mm	36	40	45
Screw Ratio:		23	20	18
Theoretical Injection Capacity	cu in	12.42	15.34	19.41
	cm ³	204	251	318
Shot Weight (PS)	g	187	231	293
	oz	6.6	8.2	10.3
Injection Rate Into Air	cu in/s	6.5	8.0	10.1
	cm ³ /s	106	131	166
Injection Pressure	psi	30606	24804	19582
	MPa	221	171	135
Plasticizing Rate	g/s	15	20	27
Injection Stroke	in	7.78		
	mm	200		
Max. Injection Speed	in/s	4.09		
	mm/s	104		
Max. Screw Speed	r/min	240		

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	135
	kN	1200
Opening Stroke	in	17
	mm	420
Space Between Tie Bar	in x in	18.11 x 16.4
	mm x mm	460 x 410
Platen Size	in x in	26.38 x 24.41
	mm x mm	670 x 620
Min. Mold Height	in	7
	mm	180 (145)
Max. Mold Height	in	18.11
	mm	460 (425)
Max. Distance Platen	in	34.65
	mm	880 (845)
Ejector Stroke	in	5.1181
	mm	130
Ejector Force Forward	US Ton	5
	kN	45

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	21.45
	kW	17
Heater Power		
	kW	8.15
Number of Temp. Control Zones		3+1
Hoper Capacity	Lbs	55.125
	kg	25
Oil Tank Capacity	US gal	47
	L	180
Machine Dimensions (LxWxH)	ft x ft x ft	14.27 x 4.43 x 4.43
	m x m x m	4.35 x 1.35 x 1.85
Machine Weight	Lbs	7000
	Ton	3.5

Platen Size



