



**EK Series Center Clamping Injection Molding Machines**  
**MODEL: BL60EK/C160**

INJECTION UNIT:	Measure Unit	Models		
<b>DESCRIPTION:</b>	<b>UNIT</b>	<b>BL60EK/C160</b>		
	Screw	A	B	C
Screw Diameter:	in	0.984	1.102	1.26
	mm	25	28	32
Screw Ratio:		23	20	18
Theoretical Injection Capacity	cu in	4.34	5.45	7.12
	cm <sup>3</sup>	71	89	117
Shot Weight (PS)	g	65	82	107
	oz	2.3	2.9	3.8
Injection Rate Into Air	cu in/s	3.8	4.8	6.2
	cm <sup>3</sup> /s	62	78	102
Injection Pressure	psi	32637	26110	20017
	MPa	225	180	138
Plasticizing Rate	g/s	6	9	12
Injection Stroke	in	5.71		
	mm	145		
Max. Injection Speed	in/s	4.96		
	mm/s	126		
Max. Screw Speed	r/min	264		

CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	67
	kN	600
Opening Stroke	in	13
	mm	320
Space Between Tie Bar	in x in	14.17 x 12.99
	mm x mm	360 x 330
Platen Size	in x in	20.08 x 18.90
	mm x mm	510 x 480
Min. Mold Height	in	5.5
	mm	140 (105)
Max. Mold Height	in	13.38
	mm	340 (305)
Max. Distance Platen	in	26
	mm	660 (625)
Ejector Stroke	in	2.7559
	mm	70
Ejector Force Forward	US Ton	3
	kN	31
Ejector Force Back	US Ton	2
	kN	20
Number of Ejector Bar(s)	PC	5

# EK Series Center Clamping Injection Molding Machines

## MODEL: BL60EK/C160

### Other Machine Information:

### Measure Unit

### Model

System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	12.06
	kW	9
Heater Power		
	kW	4.4
Number of Temp. Control Zones		3+1
Hoper Capacity	Lbs	55.125
	kg	25
Oil Tank Capacity	US gal	32
	L	120
Machine Dimensions (LxWxH)	ft x ft x ft	11.48 x 3.77 x 5.58
	m x m x m	3.5 x 1.15 x 1.7
Machine Weight	Lbs	4800
	Ton	2.4

## Platen Size



