



BL120EK Specification Sheet				
DESCRIPTION	UNIT	BL120EK		
		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 <sup>3</sup>	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 <sup>3</sup> /s	106	131	166
Injection pressure	psi	30606	24804	19582
	MPa	211	171	135
Injection stroke	in	7.87		
	mm	200		
Max. injection speed	in/s	4.09		
	mm/s	104		
Max. Screw speed	r/min	240		
Clamping force	US Ton	135		
	kN	1200		
Opening stroke	in	17		
	mm	420		
Space between tie bar	in×in	18.11×16.4		
	mm×mm	460×410		
Min. mould height	in	7		
	mm	180(145)		
Max. mould 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		
Ejector force back	US Ton	4		
	kN	34		
Number of ejector bar	PC	5		
DESCRIPTION	UNIT	BL120EK		
Sys. 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(L×W×H)	FtxFtxFt	14.27×4.43×4.43		
	m×m×m	4.35×1.35×1.85		
Machine weight	Lbs	7000		
	Ton	3.5		

