



BL160EK Specification Sheet				
DESCRIPTION	UNIT	BL160EK		
		A	B	C
Screw diameter	in	1.575	1.772	1.969
	mm	40	45	50
Screw ratio		23	20	18
Theoretical injection capacity	cu in	17.25	21.84	26.96
	cm ³	283	358	442
Shot weight(PS)	g	260	329	406
	oz	9.2	11.6	14.3
Injection rate into Air	cu in/s	8.0	10.1	12.4
	cm ³ /s	131	165	204
Injection pressure	psi	31187	24659	20017
	MPa	215	170	138
Injection stroke	in	8.86		
	mm	225		
Max. injection speed	in/s	4.09		
	mm/s	104		
Max. Screw speed	r/min	210		
Clamping force	US Ton	180		
	kN	1600		
Opening stroke	in	19		
	mm	480		
Space between tie bar	in×in	20.07×18.11		
	mm×mm	510×460		
Min. mould height	in	7.87		
	mm	200(165)		
Max. mould height	in	20.87		
	mm	530(495)		
Max. distance Platen	in	39.78		
	mm	1010(975)		
Ejector Stroke	in	6		
	mm	150		
Ejector force forward	US Ton	5		
	kN	45		
Ejector force back	US Ton	4		
	kN	34		
Number of ejector bar	PC	5		
Sys. Pressure	psi	2320		
	MPa	16		
Pump Motor	hp	28.15		
	kW	21		
Heater power	kW	11.85		
Number of temp. control zones		3+1		
Hoper capacity	Lbs	55.125		
	kg	25		
Oil tank capacity	US gal	58		
	L	220		
Machine dimensions(L×W×H)	FtxFtxFt	16.31×4.53×6.17		
	m×m×m	4.97×1.38×1.88		
Machine weight	Lbs	9600		
	Ton	4.8		

