



BL500EK Specification Sheet					
DESCRIPTION	UNIT	BL500EK			
		A	B	C	D
Screw diameter	in	2.756	3.150	3.346	3.543
	mm	70	80	85	90
Screw ratio		24	21	20	19
Theoretical injection capacity	cu in	97.46	127.30	143.71	161.11
	cm ³	1597	2086	2355	2640
Shot weight(PS)	g	1469	1919	2167	2429
	oz	51.8	67.7	76.4	85.7
Injection rate into Air	cu in/s	21.8	28.5	32.1	36.0
	cm ³ /s	357	467	527	591
Injection pressure	psi	31912	24369	21613	19292
	MPa	220	168	149	133
Injection stroke	in	16.34			
	mm	415			
Max. injection speed	in/s	3.66			
	mm/s	93			
Max. Screw speed	r/min	163			
Clamping force	US Ton	562			
	kN	5000			
Opening stroke	in	33			
	mm	850			
Space between tie bar	inxin	33.85x31.5			
	mmxmm	860x800			
Min. mould height	in	14			
	mm	350(305)			
Max. mould height	in	31			
	mm	800(755)			
Max. distance Platen	in	65			
	mm	1650(1605)			
Ejector Stroke	in	8			
	mm	210			
Ejector force forward	US Ton	13			
	kN	113			
Ejector force back	US Ton	8			
	kN	75			
Number of ejector bar	PC	13			
Sys. Pressure	psi	2320			
	MPa	16			
Pump Motor	hp	22.78+49.60			
	kW	17+37			
Heater power	kW	32.2			
Number of temp. control zones		5+1			
Hoper capacity	Lbs	220.5			
	kg	100			
Oil tank capacity	US gal	198			
	L	750			
Machine dimensions(LxWxH)	FtxFtxFt	26.57x7.21x8.53			
	mxxm	8.1x2.2x2.6			
Machine weight	Lbs	37,000			
	Ton	18.5			

