



BL900EK Specification Sheet					
DESCRIPTION	UNIT	BL900EK			
		A	B	C	D
Screw diameter	in	3.543	3.937	4.331	4.724
	mm	90	100	110	120
Screw ratio		23	21	19	17.5
Theoretical injection capacity	cu in	211.58	261.21	316.06	376.14
	cm ³	3467	4280	5179	6164
Shot weight(PS)	g	3190	3938	4765	5671
	oz	112.5	138.9	168.1	200.0
Injection rate into Air	cu in/s	37.1	45.8	55.4	65.9
	cm ³ /s	608	750	908	1080
Injection pressure	psi	30171	24369	20162	16971
	MPa	208	168	139	117
Injection stroke	in	21.46			
	mm	545			
Max. injection speed	in/s	3.74			
	mm/s	95			
Max. Screw speed	r/min	108			
Clamping force	US Ton	1012			
	kN	9000			
Opening stroke	in	45			
	mm	1150			
Space between tie bar	in×in	44.1×41.73			
	mm×mm	1160×1060			
Min. mould height	in	19			
	mm	480			
Max. mould height	in	39			
	mm	1000			
Max. Daylight	in	85			
	mm	2150			
Ejector Stroke	in	12			
	mm	300			
Ejector force forward	US Ton	26			
	kN	227			
Ejector force back	US Ton	17			
	kN	151			
Number of ejector bar	PC	21			
Sys. Pressure	psi	2320			
	MPa	16			
Pump Motor	hp	49.6+63			
	kW	37+47			
Heater power	kW	49.7			
Number of temp. control zones		5+1			
Hoper capacity	Lbs	220.5			
	kg	100			
Oil tank capacity	US gal	317			
	L	1200			
Machine dimensions(L×W×H)	FtxFtxFt	35.76×9.02×9.51			
	m×m×m	10.9×2.75×2.9			
Machine weight	Lbs	80,000			
	Ton	40			

