

2A-1

Main Specifications

J200EL II, J310EL II

Items	Machine Model					
	J200EL II			J310EL II		
Injection Unit						
Screw code	KK (op)	K	A	K (op)	A	B
Screw diameter (inch)	1.38	1.57	1.81			
Injection pressure ($\times 10^4$ psi)	3.56	3.13	2.56			
Holding pressure ($\times 10^4$ psi)	3.13	2.84	2.28			
Injection capacity(Theoretical) (inch)	8.24	13.73	18.24			
Shot weight (PS) (oz)	4.3	7.2	9.6			
Injection speed (inch/sec)	6.30			6.30		
Injection rate(Theoretical)(inch ³ /sec)	9.42	12.20	16.21			
Plasticizing capacity (PS) (lb/hr)	128	181	258			
Screw speed (rpm)	250					
Screw stroke (inch)	5.51	7.09	7.09			
Nozzle touch force (U.S.ton)	2.75			2.75		
Nozzle stroke from platen (inch)	1.97			1.97		
Injection head	Open nozzle			Open nozzle		
Cylinder temperature control point	Cylinder 4, Nozzle 1			Cylinder 4, Nozzle 2		
Clamping Unit						
Clamping method	Double toggle					
Mold clamping force (U.S.ton)	198			308		
Maximum daylight opening (inch)	37			43.3		
Mold opening stroke (Max.) (inch)	17.32			22.4		
Mold thickness (inch)	8.66~19.69			9.84~20.87		
Distance between tie bars (H×V)(inch)	20.87×20.87			24.80×24.80		
Platen size (H×V) (inch)	30.71×30.71			×		

Locate ring diameter	(inch)	4.72	4.72
Ejector type		Electric (9-point)	Electric (13-point)
Ejector force×stroke	(U.S.ton×inch)	3.63×5.12	×5.91
Minimum mold size (H×V)	(inch)	12.20×12.20	14.57×14.57
Electric Unit			
Main power	(V×Hz)	AC 480V, 60Hz, 3-phase, 3-wire	
Control power	(V)	DC 24V/AC 220/200V	
Injection servo motor	(kW)	22.0	
Screw revolution servo motor	(kW)	11.0	
Clamping servo motor	(kW)	11.0	
Ejector servo motor	(kW)	2.9	
Nozzle transfer motor	(kW)	0.75	
Mold thickness adjusting motor	(kW)	0.4	
Cylinder heater capacity	(kW)	16.4	23.9
Total power capacity	(kW)	33.8	
Others			
Machine weight	(U.S.ton)	8.91	
Machine dimension (L×W×H)	(ft)	18.11×4.53×6.20	× ×
Cooling water consumption	(ft ³ /hr)	14.0	14.0
Painting color	Main body/purge cover and cylinder flange	Dark gray Munsell 10BG 3/1.5 equivalent	
	Bed and bed cover	Light gray Munsell 7.5PB 8.5/3 equivalent	
Painting color	Injection unit cover and clamping unit fixing cover	Fine blue Munsell 6PB 5/8 equivalent	
	Heater cover	Silver	
Sound Pressure level	Equivalent continuous A-weighted sound pressure level at the work stations (dB)	Less than 80.0	