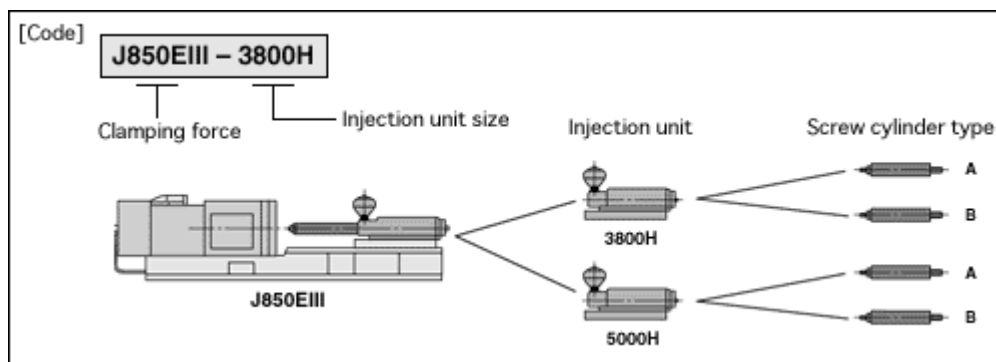


LARGE SIZE INJECTION MOLDING MACHINE
J850EIII
Specifications

Unit	Item		Model / J850EIII					
			3800H		5000H			
Injection Unit	Screw cylinder type		A	B	A	B		
	Screw diameter		mm	100	110	110	120	
	Injection pressure (Max.)		MPa {kgf/cm ² }	170 {1730}	141 {1430}	169 {1720}	142 {1440}	
	Injection capacity (Theoretical)		cm ³	3768	4559	5034	5991	
	Injection capacity (GP-PS)		g	3429	4149	4581	5452	
	Injection rate		cm ³ /s	840(700)	1018 (848)	849(708)	1010 (842)	
	Plasticizing rate (GP-PS)		kg/h	470(392)	580(483)	580(483)	530(442)	
	Screw speeds		High torque (Max.)	min ⁻¹	70(63)		70/90(63/83)	
			Low torque (Max.)	min ⁻¹	140(125)		140(125)	
	Screw stroke		mm	480		530		
	Nozzle stroke from platen		mm	50				
	Type of nozzle			Open nozzle				
	"PID" cylinder temperature control			Cylinder4, nozzle1				
Clamping Unit	Mechanism		Double toggle					
	Clamping force		kN{tf}	8340{850}				
	Maximum daylight opening		mm	2300				
	Opening stroke (Max.)		mm	1200				
	Mold height		mm	550~1100				
	Distance between tie-bars (HxV)		mm	1060x1060				
	Platen size (HxV)		mm	1560x1560				
	Hydraulic ejector			Cross line [29 points]				
	Ejector force/stroke		kN{tf}/mm	216{22} /200				
	Mold closing/opening speeds		m/min	67-65(56-54)				
Electrical Equipment	Pump driving motor		kW	105				
	Heater wattage		kW	35.83	43.15			
	Mold height adjusting motor		kW	5.5				
	Total power capacity		kW	143	150			
Machine Dimensions and General	Machine weight		t	41	42			
	Machine dimensions (LxWxH)		m	11.0x2.5x2.5		11.2x2.5x2.5		
	Hydraulic oil reservoir		L	1360				
	Hopper capacity		L	170[optional]				

Block System



Notes:

- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- Due to continual improvements, specifications are subject to change without notice.
- $1\text{MPa}=10.2\text{kgf/cm}^2$, $1\text{kN}=0.102\text{tf}$

Remarks:

- 1) The theoretical injection capacity is (cross sectional area of cylinder) x (stroke of screw).
- 2) The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- 3) The plasticizing rate is applicable for GP-PS.
- 4) The total power capacity does not include power for the mold height adjusting motor (as it is not used while the machine is operated.)
- 5) Figures in parenthesis are applicable for 50 Hz power source.
- 6) PC (polycarbonate), HPVC, low temperature setting, high speed molding, engineering plastic, etc. may require a high torque depending on the grade or molding conditions. Please contact us if you plan.