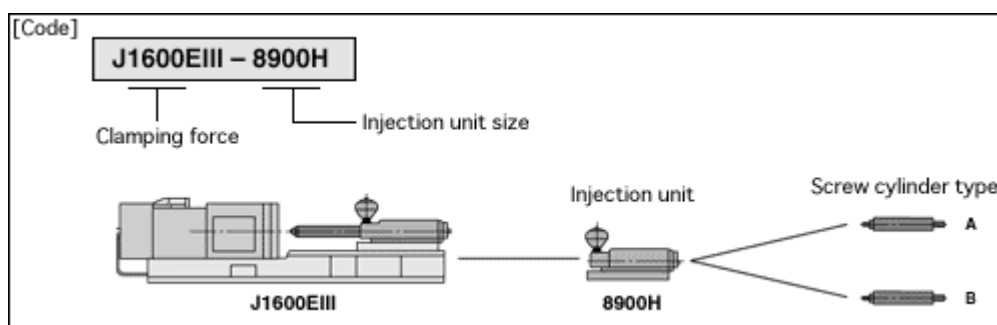


LARGE SIZE INJECTION MOLDING MACHINE  
J1600EIII  
Specifications

Unit	Item		Model / J1600EIII	
			8900H	
Injection Unit	Screw cylinder type		A	B
	Screw diameter		mm	130
	Injection pressure (Max.)		MPa {kgf/cm <sup>2</sup> }	192{1950}
	Injection capacity (Theoretical)		cm <sup>3</sup>	8893
	Injection capacity (GP-PS)		g	8093
	Injection rate		cm <sup>3</sup> /s	836(695)
	Plasticizing rate (GP-PS)		kg/h	590(492)
	Screw speeds	High torque (Max.)	min <sup>-1</sup>	50/60/(42/50)
		Low torque (Max.)	min <sup>-1</sup>	65/90/(54/75)
	Screw stroke		mm	670
	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}	15700{1600}
	Maximum daylight opening		mm	3200
	Opening stroke (Max.)		mm	1700
	Mold height		mm	800~1500
	Distance between tie-bars (HxV)		mm	1530x1280
	Platen size (HxV)		mm	2170x1920
	Hydraulic ejector		Cross line [33 points]	
	Ejector force/stroke		kN{tf}/mm	432{44} /300
	Mold closing/opening speeds		m/min	40-42 (33-35)
Electrical Equipment	Pump driving motor		kW	120
	Heater wattage		kW	63.97
	Mold height adjusting motor		kW	18.5
	Total power capacity		kW	186
Machine Dimensions and General	Machine weight		t	90
	Machine dimensions (LxWxH)		m	15.9x3.2x3.3
	Hydraulic oil reservoir		L	1700
	Hopper capacity		L	340 [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.
- 1MPa=10.2kgf/cm<sup>2</sup>, 1kN=0.102tf

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.