

# Small & Medium Size Injection Molding Machine

# J350EIII

## ■ Specifications

Item		Grade	J350EIII			
Injection Unit	Screw cylinder type		A	B	C	
	Screw diameter	mm	66	72	86	
	Injection pressure	MPa (kgf/cm <sup>2</sup> )	180 {1830}	151 {1530}	106 {1080}	
	Theoretical injection capacity	cm <sup>3</sup>	890	1060	1510	
	Injection capacity [GP-PS]	g	810	965	1374	
	Injection rate	cm <sup>3</sup> /s	342 (285)	407 (339)	581 (484)	
	Plasticizing rate [GP-PS]	kg/h	226 (188)	270 (225)	340 (283)	
	Screw speeds	High torque [Max.]	min <sup>-1</sup>	155 (129)		
		Low torque [Max.]	min <sup>-1</sup>	200 (167)		
	Screw stroke	mm	260			
	Nozzle stroke from platen	mm	50			
	Type of nozzle		Open nozzle			
	Cylinder temperature control		Cylinder 4, nozzle 1			
Clamping Unit	Mechanism		Double toggle			
	Clamping force	kN (tf)	3440 {350}			
	Daylight opening [Max.]	mm	1370			
	Opening stroke [Max.]	mm	700			
	Mold height	mm	320~670			
	Distance between tie-bars [H×V]	mm	730×730			
	Platen size [H×V]	mm	1035×1035			
	Hydraulic ejector	mm	Cross line [17 points]			
	Ejector force / stroke	kN (tf) / mm	108.0 {11.0} / 150			
	Mold closing / opening speeds	m/min	52-45 (43-38)			
Electrical Equipment	Pump driving motor	kW	45			
	Heater wattage	kW	24.5			
	Mold height adjusting motor	kW	1.5			
	Total power capacity	kW	70.5			
Machine Dimensions and General	Machine weight	t	17.5			
	Machine dimensions [L×W×H]	m	7.70×1.69×2.24			
	Hydraulic oil reservoir	L	600			
	Hopper capacity	L	124 [optional]			

### Remarks:

- 1) The theoretical injection capacity is cross sectional area of cylinder × 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, engineering plastic, etc., low temperature setting, and high speed molding, may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

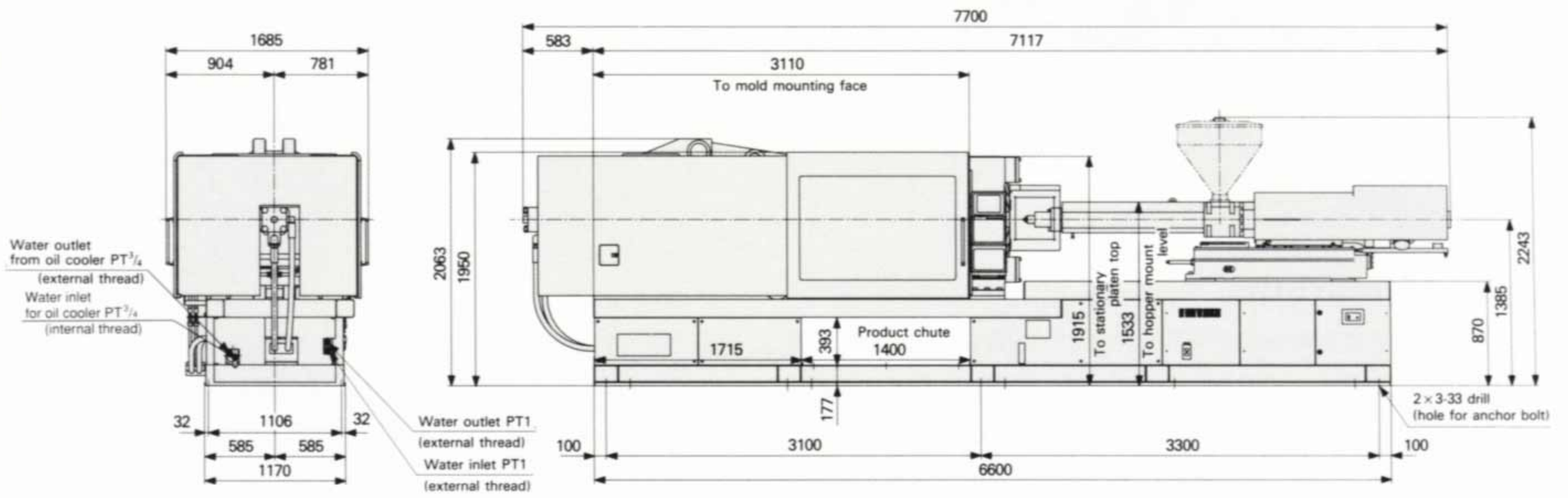
### Notes:

- 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



## Machine Dimensions

### J350EIII



## Mold Dimensions and Relative Equipment

