

Small & Medium Size Injection Molding Machine

J280EIII

■ Specifications

Item		Grade	J280EIII			
Injection Unit	Screw cylinder type		A	B	C	
	Screw diameter	mm	66	72	86	
	Injection pressure	MPa {kgf /cm ² }	180 {1830}	151 {1530}	106 {1080}	
	Theoretical injection capacity	cm ³	890	1060	1510	
	Injection capacity [GP-PS]	g	810	965	1374	
	Injection rate	cm ³ /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 ⁻¹	155 (129)		
		Low torque [Max.]	min ⁻¹	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)	2750 {280}			
	Daylight opening [Max.]	mm	1100			
	Opening stroke [Max.]	mm	570			
	Mold height	mm	250~530			
	Distance between tie-bars [H×V]	mm	630×630			
	Platen size [H×V]	mm	950×950			
	Hydraulic ejector	mm	Cross line [13 points]			
	Ejector force / stroke	kN (tf) / mm	69.0 {7.0} / 130			
	Mold closing / opening speeds	m/min	65-52 (54-43)			
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	13.0			
	Machine dimensions [L×W×H]	m	7.10×1.52×2.32			
	Hydraulic oil reservoir	L	520			
	Hopper capacity	L	124 [optional]			

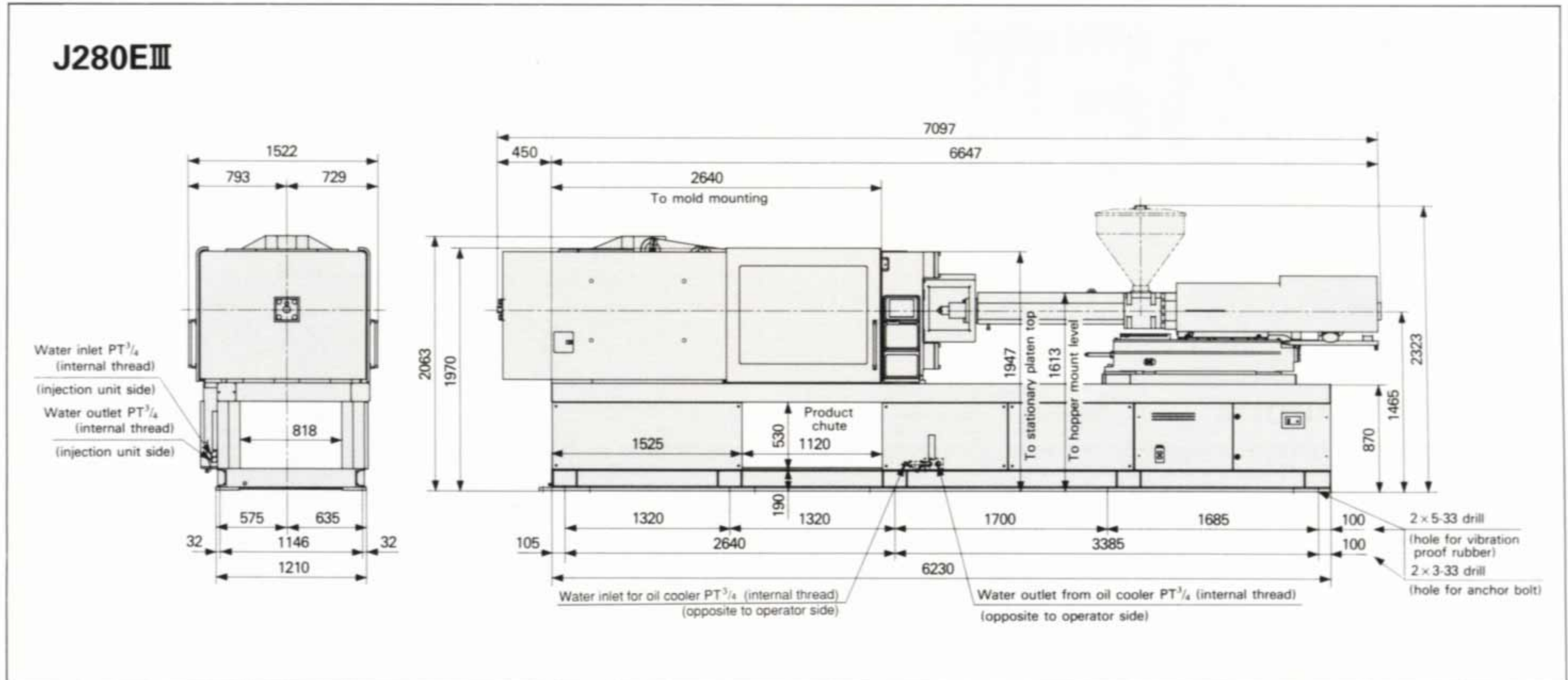
Remarks:

- 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/cm², 1kN=0.102tf

Machine Dimensions



Mold Dimensions and Relative Equipment

