

MEDIUM SIZE INJECTION MOLDING MACHINE
J280EIII
SPECIFICATIONS

		Item	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}
	Injection capacity (Theoretical)		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 advancing		mm	50		
	Type of nozzle			Open nozzle		
	"PID" cylinder temperature control			Cylinder 4 / Nozzle 1		
	Clamping Unit	Mechanism		Double toggle		
Clamping force		kN{tf}	2750{280}			
Maximum daylight opening		mm	1100			
Opening stroke (Max.)		mm	570			
Mold height		mm	250~530			
Distance between tie-bars (HxV)		mm	630x630			
Platen size (HxV)		mm	950x950			
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 (LxWxH)		m	7.10x1.52x2.32		
	Hydraulic oil reservoir		L	520		
	Hopper capacity		L	124[optional]		

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

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.