

MEDIUM SIZE INJECTION MOLDING MACHINE
J220EIII/J220EIII-P
SPECIFICATIONS

		Item	J220EIII			J220EIII-P			
Injection Unit	Screw cylinder type		K (optional)	A	B	K (optional)	A	B	
	Screw diameter		mm	46	53	58	46	53	58
	Injection pressure		MPa {kgf/cm ² }	238 {2420}	180 {1830}	150 {1520}	238 {2420}	180 {1830}	150 {1520}
	Injection capacity (Theoretical)		cm ³	349	463	555	349	463	555
	Injection capacity (GP-PS)		g	318	421	505	318	421	505
	Injection rate		cm ³ /s	188(157)	249(207)	299(249)	465	618	740
	Plasticizing rate (GP-PS)		kg/h	115(95)	163(136)	197(164)	138(115)	196(163)	236(196)
	Screw speeds	High torque (Max.)	min ⁻¹	155(129)			185(154)		
		Low torque (Max.)	min ⁻¹	250(208)			300(250)		
	Screw stroke		mm	210			210		
	Nozzle stroke from platen		mm	50			50		
	Type of nozzle			Open nozzle			Open nozzle		
	"PID" cylinder temperature control			Cylinder 4 / Nozzle 1			Cylinder 4 / Nozzle 1		
Clamping Unit	Mechanism		Double toggle			Double toggle			
	Clamping force		kN{tf}	2160{220}			2160{220}		
	Maximum daylight opening		mm	1050			1050		
	Opening stroke (Max.)		mm	550			550		
	Mold height		mm	230~500			230~500		
	Distance between tie-bars (HxV)		mm	580x580			580x580		
	Platen size (HxV)		mm	840x840			840x840		
	Hydraulic ejector		mm	Cross line[9 points]			Cross line[9 points]		
	Ejector force/stroke		kN{tf}/mm	42.8{4.4}/130			42.8{4.4}/130		
	Mold closing/opening speeds		m/min	54-43(45-36)			67-53(56-44)		
Electrical Equipment	Pump driving motor		kW	30			37		
	Heater wattage		kW	18.1			18.1		
	Mold height adjusting motor		kW	0.75			0.75		
	Total power capacity		kW	48.6			55.6		
Machine Dimensions and General	Machine weight		t	9.7			10.1		
	Machine dimensions (LxWxH)		m	6.14x1.41x2.14			6.14x1.50x2.14		
	Hydraulic oil reservoir		L	430			430		
	Hopper capacity		L	50[optional]			50[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.