MEDIUM SIZE INJECTION MOLDING MACHINE
J150EIII/J150EIII-P
SPECIFICATIONS

	Item			J150EIII			J150EIII-P		
Injection Unit	Screw cylinder type			K (optional)	A	B	K (optional)	A	B
	Screw diameter		mm	40	46	51	40	46	51
	Injection pressure		MPa {kgf/cm^2}	236 {2400}	179 {1820}	146 {1480}	236 {2400}	179 {1820}	146 {1480}
	Injection capacity (Theoretical)		cm^3	226	300	368	226	300	368
	Injection capacity (GP-PS)		g	206	273	335	206	273	335
	Injection rate		cm^3/s	139(116)	184(153)	227(189)	377	499	613
	Plasticizing rate (GP-PS)		kg/h	90(75)	129(107)	160(133)	123(102)	175(145)	217(180)
	Screw speeds	High torque (Max.)	min^{-1}	160(133)			220(183)		
		Low torque (Max.)	min^{-1}	275(229)			380(316)		
	Screw stroke		mm	180			180		
	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}	1480{150}			1480{150}		
	Maximum daylight opening		mm	890			890		
	Opening stroke (Max.)		mm	440			440		
	Mold height		mm	220~450			220~450		
	Distance between tie-bars (HxV)		mm	510x510			510x510		
	Platen size (HxV)		mm	740x740			740x740		
	Ejector force/stroke		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	52-41(43-34)			71-57(59-48)		
Electrical Equipment	Pump driving motor		kW	22			30		
	Heater wattage		kW	13.3			13.3		
	Mold height adjusting motor		kW	0.75			0.75		
	Total power capacity		kW	35.8			43.8		
Machine Dimensions and General	Machine weight		t	7.6			7.8		
	Machine dimensions (LxWxH)		m	5.44x1.31x2.09			5.44x1.40x2.09		
	Hydraulic oil reservoir		L	330			330		
	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/cm^2, 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.