

Performance Table

Module	Item	Model	JT220RAD						
			230V			410V			
Injection Unit	Screw cylinder type		K	A	B (OP)	K	A	B (OP)	
	Screw diameter	mm	40	45	50	46	53	58	
	Screw stroke	mm	145			185			
	Theoretical injection capacity	cm ³	182	231	285	307	408	489	
	Injection capacity (GP-PS)	g	173	219	271	292	388	465	
	Standard	Injection pressure (Max.)	MPa {kgf/cm ² }	228 {2320}	180 {1840}	146 {1490}	239 {2440}	180 {1840}	150 {1530}
		Holding pressure (Max.)	MPa {kgf/cm ² }	205 {2090}	162 {1650}	131 {1340}	215 {2190}	162 {1650}	135 {1380}
		Injection speed	mm/s	160			160		
		Injection rate	cm ³ /s	201	254	314	266	353	423
		Plasticizing rate (GP-PS)	kg/h	60	76	88	70	100	125
		Screw speed	min ⁻¹	250			220		
	High-speed (HS) OP	Injection pressure (Max.)	MPa {kgf/cm ² }	228 {2320}	180 {1840}	146 {1490}	239 {2440}	180 {1840}	150 {1530}
		Holding pressure (Max.)	MPa {kgf/cm ² }	205 {2090}	162 {1650}	131 {1340}	215 {2190}	162 {1650}	135 {1380}
		Injection speed	mm/s	330			300		
		Injection rate	cm ³ /s	415	525	648	499	662	793
		Plasticizing rate (GP-PS)	kg/h	60	76	88	70	100	125
		Screw speed	min ⁻¹	250			220		
	Nozzle touch force	kN {tf}	15 {1.5}			20 {2.0}			
	Nozzle stroke from platen	mm	20						
	Type of nozzle		Open nozzle						
Cylinder temperature control		Cylinder: 3 / Nozzle: 2							
Heater wattage	kW	12.4			13.1				
Clamping Unit	Mechanism		Double toggle						
	Clamping force	kN {tf}	2160 {220}						
	Daylight opening (Max.)	mm	800						
	Opening stroke (Max.)	mm	350						
	Mold height	mm	350~450						
	Mold size (Max.)	mm	560×560						
	Lower mold weight (Max.)	kg	690×2						
	Table outside diameter	mm	1630						
	Ejector point		3 point						
	Ejector force	kN {tf}	42 {4.3}						
Ejector stroke	mm	100							
Miscellaneous	Machine weight	t	11.3 (11.8)*			12.2 (12.4)*			
	Machine dimensions (LxWxH)	m	3.29×1.85×4.55			3.29×1.85×5.38			
	Machine dimensions (HS) (LxWxH)	m	3.29×1.85×5.05			3.29×1.85×5.42			
	Table height	mm	1470						

Remarks:

1. Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2. The theoretical injection capacity is (cross sectional area of cylinder) x (stroke of screw).
3. The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4. The plasticizing rate is applicable for GP-PS.
5. PC, HPVC, other 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.

Note:

1. Due to continual improvements, specifications are subject to change without notice.
2. Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3. Performance specifications are based on theoretical data.
4. High-speed injection specifications can be handled as option.
5. Values in parentheses (*) in the table are for high-speed injection specifications.
6. Screw cylinder size B is optional.
7. 1 MPa = 10.2 kgf/cm², 1 kN = 0.102 tf

