

### Performance Table

Unit	Item	Model	J85AD										
			30H			60H			110H				
Injection Unit	Screw cylinder type		K	A	B	K	A	B	K	A	B		
	Screw diameter	in	0.79	0.87	0.98	0.98	1.10	1.26	1.26	1.38	1.57		
	Screw stroke	in	3.150			3.937			4.724				
	Theoretical injection capacity	in <sup>3</sup>	1.53	1.83	2.38	2.99	3.78	4.88	5.92	7.02	9.22		
	Standard	Injection capacity (GP-PS)	oz	0.8	1.0	1.3	1.6	2.0	2.6	3.1	3.7	4.8	
		Injection pressure (Max.)	psi	39160	32340	24950	39160	31180	23930	39160	32630	24950	
		Holding pressure (Max.)	psi	35530	29440	22770	35530	28280	21760	35530	29730	22770	
		Injection speed	in/s	13.78			13.78			13.78			
		Injection rate	in <sup>3</sup> /s	6.8	8.2	10.4	10.4	13.1	17.2	17.2	20.6	26.7	
		Plasticizing rate (GP-PS)	oz/s	0.17	0.21	0.27	0.33	0.45	0.73	0.73	0.90	1.21	
		Screw speed	rpm	500			400			400			
		High speed (HS)	Injection pressure (Max.)	psi	39160	32340	24950	39160	31180	23930	—	—	—
	Holding pressure (Max.)		psi	35530	29440	22770	35530	28280	21760	—	—	—	
	Injection speed		in/s	21.65			19.69			—			
	Injection rate		in <sup>3</sup> /s	10.6	12.9	16.3	14.8	18.7	24.5	—	—	—	
	Plasticizing rate (GP-PS)		oz/s	0.17	0.21	0.27	0.33	0.45	0.73	—	—	—	
	Ultra speed (US)	Screw speed	rpm	500			400			—			
		Injection pressure (Max.)	psi	39160	32340	24950	39160	31180	23930	—	—	—	
		Holding pressure (Max.)	psi	35530	29440	22770	35530	28280	21760	—	—	—	
		Injection speed	in/s	31.50			31.50			—			
		Injection rate	in <sup>3</sup> /s	15.3	18.3	23.8	23.9	30.2	39.0	—	—	—	
	General	Plasticizing rate (GP-PS)	oz/s	0.17	0.21	0.27	0.33	0.45	0.73	—	—	—	
		Screw speed	rpm	500			400			—			
		Nozzle touch force	U.S. ton	1.66			1.66			2.21			
		Nozzle stroke from platen	in	2.0									
		Type of nozzle		Open nozzle				Open nozzle (Tip type)					
		Cylinder temperature control		Cylinder 3 / Nozzle 2				Cylinder 4 / Nozzle 2					
		Heater wattage	kW	3.9			5.5			9.2			
		Clamping Unit	Mechanism		Double toggle								
			Clamping force	U.S. ton	93.7								
Daylight opening (Max.)			in	27.95									
Opening stroke (Max.)	in		11.81										
Mold height	in		7.087~16.142										
Distance between tie-bars (H×V)	in		16.14×14.17										
Platen size (H×V)	in		22.83×20.87										
Ejector point			5 points										
Ejector force	U.S. ton	3.64											
	Ejector stroke	in	3.150										
General	Machine weight	U.S. ton	4.3			4.3			4.4				
	Machine dimensions (L×W×H)	ft	13.58×3.67×5.22			13.58×3.67×5.22			14.27×3.67×5.31				

**Remarks:**

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- The plasticizing rate is applicable for GP-PS.
- 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:**

- Due to continual improvements, specifications are subject to change without notice.
- 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.
- High speed injection and Ultra speed injection are optional.

## Equipment Dimensions and Mold Related Dimensions

