

Models		FN5000						FN6000							
Specification item	Injection typeUnit	50A (Standard)			71A			71A (Standard)			100A				
Injection		A	B	C	A	B	C	A	B	C	A	B	C		
	Screw diameter	inch	2.0	2.2	2.5	2.2	2.5	2.8	2.2	2.5	2.8	2.5	2.8	3.1	
		mm	50	56	63	56	63	71	56	63	71	63	71	80	
	Injection capacity	in ³	24.5	30.8	39.0	33.8	42.8	54.4	33.8	42.8	54.4	48.5	61.6	78.1	
		cm ³	402	505	639	554	701	891	554	701	891	795	1010	1280	
		oz	13.5	16.9	21.4	18.6	23.5	29.9	18.6	23.5	29.9	26.6	33.8	42.9	
		Plasticizing capacity (PS)	lbs/h	214	289	403	276	368	518	276	368	518	357	503	699
	kg/h		97	131	183	125	167	235	125	167	235	162	228	317	
	Injection pressure	psi	28730	22900	18130	28510	22540	17780	28510	22540	17780	29790	23470	18490	
		MPa	198	158	125	196	155	122	196	155	122	205	161	127	
		kgf/cm ²	2020	1610	1275	2005	1585	1250	2005	1585	1250	2095	1650	1300	
	Injection rate	in ³ /s	13.4	16.8	21.2	16.3	20.6	26.2	16.3	20.6	26.2	16.1	20.5	26.0	
		cm ³ /s	219	275	348	267	338	430	267	338	430	264	336	426	
	Screw speeds	Constant torqueVariable torque	rpm	0 ~ 150			0 ~ 150			0 ~ 150			0 ~ 120		
				150 ~ 210			150 ~ 200			150 ~ 200			120 ~ 190		
	Nozzle touch force	US ton	5.3			6.2			6.2			6.2			
		kN	47			55			55			55			
		tonf	4.8			5.6			5.6			5.6			
	Hopper capacity (optional)	Gal	23.8			23.8			23.8			23.8			
L		90			90			90			90				
Clamping	US ton	237			237			309			309				
	Clamping force	kN	2110			2110			2740			2740			
		tonf	215			215			280			280			
	Clamping stroke	inch	29.9			29.9			32.7			32.7			
		mm	760			760			830			830			
	Min. mold thickness	inch	11.4			11.4			12.6			12.6			
		mm	290			290			320			320			
	Max. daylight opening	inch	41.3			41.3			45.3			45.3			
		mm	1050			1050			1150			1150			
	Tie bars clearance (H × V)	inch	23.2 × 23.2			23.2 × 23.2			26.0 × 26.0			26.0 × 26.0			
		mm	590 × 590			590 × 590			660 × 660			660 × 660			
	Die plate dimensions (H × V)	inch	33.5 × 33.5			33.5 × 33.5			37.6 × 37.6			37.6 × 37.6			
		mm	850 × 850			850 × 850			955 × 955			955 × 955			
	Min. mold dimensions (H × V)	inch	16.3 × 16.3			16.3 × 16.3			18.3 × 18.3			18.3 × 18.3			
		mm	415 × 415			415 × 415			465 × 465			465 × 465			
	Locating ring diameter	inch	4.0			4.0			4.0			4.0			
		mm	101.6			101.6			101.6			101.6			
	Ejector force	US ton	9.8			9.8			9.8			9.8			
		kN	87			87			87			87			
tonf		8.9			8.9			8.9			8.9				
Ejector stroke	inch	4.7			4.7			5.1			5.1				
	mm	120			120			130			130				
Others	Pump motor	kW	30			37			37			37			
	Heater band capacity	kW	18.19			21.98			21.98			28.19			
	Hydraulic oil quantity	Gal	193			193			214			214			
		L	730			730			810			810			
	Machine dimensions (L × W × H)	inch	246.8 × 55.9 × 78.7			260.6 × 55.9 × 78.7			268.5 × 60.6 × 81.1			276.0 × 60.6 × 81.1			
		m	6.27 × 1.42 × 2.00			6.62 × 1.42 × 2.00			6.82 × 1.54 × 2.06			7.01 × 1.54 × 2.06			
	Floor dimensions (L × W)	inch	231.5 × 46.5			231.5 × 46.5			243.7 × 49.2			243.7 × 49.2			
	m	5.88 × 1.18			5.88 × 1.18			6.19 × 1.25			6.19 × 1.25				
Machine weight	lbs	19621			20283			24030			25353				
	ton	8.9			9.2			10.9			11.5				

- Delivery of injection units other than standard ones may take time.
- FN1000 can be equipped with a 9A, while FN2000 can be equipped with a 12A injection unit. (Option)
- () : When the horse power is increased for optional specifications.
- Weigh per shot is 95% of theoretical value. (GPPS)

- Injection capacity and plasticizing capacity depend on the molding conditions and material used.
- The specifications subject to changes without notice for performance upgrades.