

FN360-100A

Models		FN7000						FN8000						
Specification item	Injection type Unit	100A (Standard)			140A			160A (Standard)			210L			
Injection	Screw diameter	inch	2.5	2.8	3.1	2.8	3.1	3.5	2.8	3.1	3.5	3.1	3.5	
		mm	63	71	80	71	80	90	71	80	90	80	90	
	Injection capacity	in ³	48.5	61.6	78.1	67.7	86.0	108.6	77.5	98.2	123.9	128.8	162.9	
		cm ³	795	1010	1280	1110	1410	1780	1270	1610	2030	2110	2670	
		oz	26.6	33.8	42.9	37.2	47.2	59.6	42.6	54.0	68.0	70.7	89.5	
	Plasticizing capacity (PS)	lbs/h	357	503	699	448	626	851	441	604	838	668	904	
		kg/h	162	228	317	203	284	386	200	274	380	303	410	
	Injection pressure	psi	29790	23470	18490	28440	22400	17710	28440	22400	17710	27020	21330	
		MPa	205	161	127	195	154	122	195	154	122	186	147	
		kgf/cm ²	2095	1650	1300	2000	1575	1245	2000	1575	1245	1900	1500	
	Injection rate	in ³ /s	16.1	20.5	26.0	19.3	24.5	31.1	24.0	30.5	38.6	35.5	44.8	
		cm ³ /s	264	336	426	316	402	509	394	500	633	581	735	
	Screw speeds	Constant torque Variable torque	rpm	0~120			0~120			0~120			0~155	
				120~190			120~170			120~180			155~175	
	Nozzle touch force	US ton	6.2			6.2			6.6			6.6		
		kN	55			55			59			59		
		tonf	5.6			5.6			6.0			6.0		
	Hopper capacity (optional)	Gal	23.8			23.8			23.8			23.8		
		L	90			90			90			90		
Clamping	Clamping force	US ton	398			398			501			501		
		kN	3540			3540			4460			4460		
		tonf	361			361			455			455		
	Clamping stroke	inch	38.2			38.2			40.4			40.4		
		mm	970			970			1025			1025		
	Min. mold thickness	inch	13.8			13.8			14.8			14.8		
		mm	350			350			375			375		
	Max. daylight opening	inch	52.0			52.0			55.1			55.1		
		mm	1320			1320			1400			1400		
	Tie bars clearance (H×V)	inch	28.9×28.9			28.9×28.9			32.3×32.3			32.3×32.3		
		mm	735×735			735×735			820×820			820×820		
	Die plate dimensions (H×V)	inch	41.5×41.5			41.5×41.5			46.9×46.9			46.9×46.9		
		mm	1055×1055			1055×1055			1190×1190			1190×1190		
	Min. mold dimensions (H×V)	inch	20.5×20.5			20.5×20.5			22.6×22.6			22.6×22.6		
		mm	520×520			520×520			575×575			575×575		
	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	12.2			12.2			15.1			15.1			
	kN	109			109			134			134			
	tonf	11.1			11.1			13.7			13.7			
Ejector stroke	inch	5.9			5.9			6.3			6.3			
	mm	150			150			160			160			
Others	Pump motor	kW	37			45			55			75		
	Heater band capacity	kW	28.38			36.22			35.62			35.62		
	Hydraulic oil quantity	Gal	259			259			359			359		
		L	980			980			1360			1360		
	Machine dimensions (L×W×H)	inch	294.9×65.4×91.9			311.4×65.4×91.9			324.8×74.8×101.6			339.4×74.8×101.6		
		m	7.49×1.66×2.34			7.91×1.66×2.34			8.25×1.90×2.58			8.62×1.90×2.58		
	Floor dimensions (L×W)	inch	261.0×53.5			273.6×53.5			289.0×58.7			296.8×58.7		
Machine weight	m	6.63×1.36			6.95×1.36			7.34×1.49			7.54×1.49			
		lbs	32187			32849			45636			47179		
	ton	14.6			14.9			20.7			21.4			

