

PERFORMANCE SPECIFICATION TABLE

ITEM	UNIT	FS80S12ASE			FS120S18ASE		
		(A)	(B)	(C)	(D)	(E)	(F)
Screw diameter	inch mm	1.3 32	1.4 36	1.6 40	1.4 36	1.6 40	1.8 45
Injection capacity(P.S.)	in ³ /shot cm ³ /shot oz	6.2 101 3.4	7.7 127 4.3	9.6 157 5.3	9.0 148 5.0	11.1 182 6.1	14.1 231 7.7
Calculated plasticizing capacity(P.S.)	lbs/hr kg/hr	72.7 33	99.2 45	136.6 62	97.1 44	134.7 61	183.2 83
Injection pressure	psi kg/cm ²	32850 2310	26950 1825	21045 1480	32280 2270	26165 1840	20690 1455
Injection rate	in ³ /sec cm ³ /sec	6.04 99	7.63 125	9.46 155	7.51 123	9.28 152	11.78 193
Screw speed	r. p. m.	0~190 (High torque) 0~250 (Low torque)			0~190 0~245		
Hopper capacity	Gal ℓ	6.6 25		6.6 25			
Mold clamping force	US ton ton	88 80		132 120			
Mold clamping stroke	inch mm	13.8 350		15.7 400			
Minimum mold thickness	inch mm	6.3 160 (With spacers) 13.2 335 (Without spacers)		6.7 170 11.8 300			
Max. daylight opening	inch mm	20.1 510 (With spacers) 27.0 685 (Without spacers)		22.4 570 27.0 700			
Clearance between tiebars (H) × (V)	inch mm	14.8 × 14.8 375 × 375		16.1 × 16.1 410 × 410			
Dia plate dimension (H) × (V)	inch mm	21.1 × 21.1 535 × 535		23.6 × 23.6 600 × 600			
Ejector stroke	inch mm	3.0 75		3.3 85			
Pump motor	kw/pole	15/4 (20HP)		18.5/4 (25HP)			
Heater band capacity	kw	7.4		8.3			
Amount of hydraulic oil required	Gal ℓ	85.0 320		116.0 440			
Max. line pressure	psi kg/cm ²	2000 140		2000 140			
Machine dimensions (L) × (W) × (H)	inch m	177.2 × 40.2 × 73.2 4.50 × 1.02 × 1.86		195.7 × 42.1 × 72.4 4.97 × 1.07 × 1.84			
Floor space occupied (L) × (W)	inch m	142.5 × 35.4 3.62 × 0.90		157.1 × 36.2 3.99 × 0.92			
Machine weight	lbs ton	7.938 3.6		10.363 4.7			