

Clamping Force	US	Metric	1000W		1500W	
	ton	(ton)		(900W)		(1300W)
Tie Bar Space (H x V)	inch	(mm)	60.00 x 50.00	(1,524 x 1,270)	72.00 x 52.00	(1,830 x 1,320)
Platen Size	inch	(mm)	76.93 x 66.93	(1,954 x 1,700)	97.64 x 77.56	(2,480 x 1,970)
Die Thickness (Min.-Max.)	inch	(mm)	19.69 - 52.76	(500 - 1,340)	20.00 - 58.66	(508 - 1,490)
Clamping Stroke	inch	(mm)	55.11	(1,400)	59.06	(1,500)
Daylight (Min-Max)	inch	(mm)	74.80 - 107.87	(1,900 - 2,740)	79.06 - 117.72	(2,008 - 2,990)
Ejector Force	ton	(m ton)	27.6	(25)	42	(38)
Ejector Stroke	inch	(mm)	7.87	(200)	9.84	(250)

Injection Unit	i80				i228			
		A	B		A	B		
Screw Type								
Screw Diameter	inch mm	3.94 (100)	4.41 (112)	5.51 (140)	5.91 (150)			
Theoretical Injection Volume	cu.in. cm ³	278 (4,555)	349 (5,714)	789 (12,190)	905 (14,843)			
Injection Weight (GPPS)	lbs. (kg)	9.25 (4.19)	11.59 (5.26)	26.2 (11.89)	30.1 (13.66)			
Injection Weight (GPPS)	oz. g	147.8 (4,190)	185.4 (5,257)	419 (11,894)	482 (13,664)			
Max. Injection Pressure	psi MPa	24,978 (172)	19,912 (137)	25,240 (174)	21,982 (151)			
Injection Rate	cu.in./sec cm ³ /sec	61.0 (999)	76.5 (1,253)	125.0 (2,048)	143.5 (2,351)			
Screw Speed (max.)	rpm rpm	173 (173)	173 (173)	150 (150)	150 (150)			
Plasticating Capacity	lb./hr kg/hr	1567 (711)	1642 (745)	2,229 (1,061)	-	-		

General

Motor Capacity	HP	55 + 55 + 55 = 165	55+55+55+55+55 =275
Motor Capacity	kW	41.3 + 41.3 + 41.3 = 123.9	41.3+41.3+41.3+41.3+41.3 = 206.5
Heater Capacity (Barrel)	kW	56.7	79
Reservoir Capacity	US gal	400	1000
Reservoir Capacity	L	1,514	3,785
Nozzle Center Height (excluding grout)	inch	62.6	68.9
Nozzle Center Height (excluding grout)	mm	1,590	1,750
Machine Dimension (L x W x H)	inch	528 x 140 x 114	601 x 174 x 122
Machine Dimension (L x W x H)	m	13.5 x 3.6 x 2.9	15.3 x 4.4 x 3.1
Machine Weight	lbs	116,000	244,000
Machine Weight	kgs	52,600	110,700

Note)

- The numeric values in this table are based on SI unit
- Injection Capacity = (injection pressure) x (theoretical shot volume)
- Theoretical Shot Volume = (screw cross section) x (screw stroke)
- The Shot Mass (GPPS) is assumed to be 92% of theoretical shot volume
- Plasticizing capacity is assumed by Polystyrene
- Max. Injection Pressure may be limited by cycle time
- Screw rpm may be limited depending on screw stroke, back pressure, material temperature and viscosity
- Specifications and data in this quotation are for reference only. Actual specification / performance may vary due to numerous factors such as continuous performance improvements, manufacturing allowable tolerance variations, etc.