



# POWERLINE

## 550

# SPECIFICATIONS



## PAK

## 38/44/50 - 120mm

		English				Metric		
Injection Unit Specifications		A	B	C		A	B	C
Injection Capacity, Max GPPS	oz	38	44	50	gm	964	1134	1304
Theoretical Disp	in <sup>3</sup>	68.9	80.1	91.5	cm <sup>3</sup>	1128	1308	1502
Injection Performance								
Max Pressure	psi	34,800	30,000	27,500	bar	2400	2069	1897
Max Rate	in <sup>3</sup> /sec	153	175	200	cm <sup>3</sup> /sec	2500	2868	3278
Max Injection Speed	in/sec	30	30	30	mm/sec	762	762	762
Max Pack Pressure	psi	27,840	24,000	22,000	bar	1,920	1,655	1,518
Max Pull Back Force	lbf	22,000	22,000	22,000	N	97,860	97,860	97,860
Plunger Stroke	in	13.39	13.39	13.39	mm	340	340	340
Plunger Diameter	in	2.56	2.76	2.95	mm	65	70	75
Extruder L/d Ratio - 120mm					25			
Extruder RPM - Low Torque	rpm				160			
Extruder RPM - High Torque	rpm				130			
Barrel Heat								
No. of Pyrometers (barrel/nozzle)					12 with nozzle			
Total Heat Capacity	kw				182.2			
Sled Pull in Force	ton	12			tonf	10.8		

Clamp Specifications					
Tonnage	ton	550		tonf	500
Maximum Daylight	in	67.72		mm	1,720
Max/Min Mold Height	in	33.09/9.84		mm	840/250
Max Mold Weight	lb	16,300		kg	7,400
Max Clamp Stroke	in	34.64		mm	880
Euromap Dry Cycle Time	sec			<3.0	
Platen Size	in	50.8 x 50.8		mm	1,290 x 1,290
Tie Bar Spacing	in	36.22 x 36.22		mm	920 x 920
Tie Rod Diameter	in	6.3		mm	160
Ejector Stroke	in	7.87		mm	200
Max Ejector Force	ton	10.7		tonf	9.7
Max Eject Speed	in/sec	10.4		mm/sec	265

Machine Specifications					
Length, see note	in	439.1		mm	11,152
Width	in	103.9		mm	2,638
Height	in	101.6		mm	2,580
Centerline Height	in	60.9		mm	1,548
Shipping Weight (machine)	lb	75,000		kg	34,050
Shipping Weight (power unit)	lb	4,300		kg	1,952

Electrical Specifications	
Input Power Source 460 VAC +/- 10% 3 Ph 60 Hz	STD
Power Supply Capacity KVA	223

Machine Requirements	
Water	15 gpm @ 85 F
Air	80 psi @ 20 cfm