

Boy 30-M

STANDARD SPECIFICATIONS

INJECTION					OPTIONAL
Screw Diameter	mm/in.	24/.944	28/1.102	32/1.259	18/.708
Injection Stroke	mm/in.	95/3.74			
Screw L/D		23	20	17.5	21.5
Injection Volume, theoretical	cm ³ /in. ³	42.9/2.62	58.4/3.57	75/4.66	24.17/1.48
Shot Capacity, 80% theoretical, GPS	gms./oz.	36/1.32	49/1.76	63/2.3	20.5/.714
Injection Pressure, max.	PSI	35.895	26.375	20.170	40,390
Injection Speed, max.	mm/in. per sec.	105.5/4.15			190/7.48 (Acc)
Screw Speed, RPM		10-480			
Nozzle Force	US Tons	6.73			
Nozzle Stroke, max.	mm/in.	180/7.08			
Number heat Zones, barrel		3			
Heating Capacity	watts	4260 + 700 + 130			
Hopper Capacity	lbs.	35			
Plasticizing Rate	lbs./hr.	44.1	52.9	66.1	21.5

CLAMPING			GENERAL			OPTIONAL
Clamping Force	US Tons	30	Voltage		220V-3ph-60 cy.	440-3hp-60cy.
Mold Opening Stroke, max.	mm./in.	300/11.81	Dry Cycle Speed	Per/min.	40	
Mold Height, min.	mm/in.	200/7.87	Pump Motor	Kw/HP	7.5/11	11/15 (Acc)
Daylight, max.	mm/in.	500/19.68	Overall Elec. Rating	Kw	12.6	16.1 (Acc)
Distance betw., 4 tie bars, H&V	mm/in.	255x255/10.04x10.04	Overall Size, LxWxH	in.	40x70x120	
Platen Size, H&V	mm/in.	394x394/15.51x15.51	Hydraulic Tank Cap	Ltr./gal.	128/33.8	
Opening Force	US Tons	3.59	Net Weight W/O oil	lbs.	2666	
Hydraulic Ejector Force	US Tons	1.95/1.32				
Hydraulic Ejector Stroke	mm/in.	80/3.15				130/5.12

Boy 50-M

STANDARD SPECIFICATIONS

INJECTION					OPTIONAL
Screw Diameter	mm/in.	28/1.102	32/1.259	38/1.496	42/1.65
Injection Stroke	mm/in.	120/4.724			
Screw L/D		23:1	20:1	17:1	15:1
Injection Volume, theoretical	cm ³ /in. ³	73/4.50	96/5.88	136/8.29	166/10.13
Shot Capacity, 80% theoretical, GPS	gms./oz.	56.8/2.0	82/2.9	115/4.0	140/5
Injection Pressure, max.	PSI	36359	27845	19724	16170
Injection Speed, max.	mm/in. per sec.	120/4.72			200/7.87 (Acc)
Screw Speed, RPM		10-400			
Nozzle Force	US Tons	7.70			
Nozzle Stroke, max.	mm/in.	210/8.27			
Number heat Zones, barrel		3			
Heating Capacity	watts	5850 + 450 + 100			
Hopper Capacity	lbs.	54			
Plasticizing Rate	lbs./hr.	70	105	141	170

CLAMPING			GENERAL			OPTIONAL
Clamping Force	US Tons	55	Voltage		220V-3ph-60 cy.	440V-3hp-60cy.
Mold Opening Stroke, max.	mm./in.	350/13.78	Dry Cycle Speed	Per/min.	40	
Mold Height, min.	mm/in.	250/9.84	Pump Motor	Kw/HP	11/15	15/20 (Acc)
Daylight, max.	mm/in.	600/23.64	Overall Elec. Rating	Kw	17.4	21.4 (Acc)
Distance betw., 4 tie bars, H&V	mm/in.	305x305/12.00x12.00	Overall Size, LxWxH	in.	144x48x72 (Crated)	
Platen Size, H&V	mm/in.	500x500/19.6x19.6	Hydraulic Tank Cap	Ltr./gal.	250/66	
Opening Force	US Tons	5.53	Net Weight W/O oil	lbs.	4475	
Hydraulic Ejector Force	US Tons	1.95/1.32				
Hydraulic Ejector Stroke	mm/in.	80/3.15				130/5.12