



MODEL	85		100		125		175		225					
INJECTION UNIT CLASSIFICATION	192	430	192	430	430	612	612	790	790	1334				
UNIT OF MEASURE														
Screw Diameter	1.18	1.37	1.57	1.77	1.96	1.57	1.77	1.96	1.77	2.16	2.36	2.16	2.55	2.75
Shot Volume	cu. in.	5.85	7.99	10.43	13.8	17.45	21.54	5.85	7.99	10.43	13.8	17.45	21.54	25.65
Shot Weight	oz. PS	3.07	4.2	5.48	7.24	9.18	11.65	3.07	4.2	5.48	7.24	9.18	11.65	14.12
Screw Length	L/D	24.5	21	18.5	23.6	21	18.9	23.6	21	18.9	23.3	21	19	23.3
Max. Injection Capacity	cu. in./s	7.01	9.51	12.5	7.5	9.52	11.77	7.01	9.51	12.5	7.5	9.52	11.77	14.27
Plasticizing Capacity (*)	oz./s	0.5	0.7	0.8	0.7	0.9	1.1	0.5	0.7	0.8	0.7	0.9	1.1	1.3
Pressure on Material	psi	28800	21100	16200	27600	21800	17600	28800	21100	16200	27600	21800	17600	28800
Torque on Screw	lb. ft.	184-428	313-856	184-428	313-856	313-856	418-153	184-428	313-856	313-856	566-197	536-197	410-149	569-1567
Screw Speed	RPM	707-306	418-153	707-306	418-153	418-153	566-197	536-197	410-149	410-149	410-189	498-181	50	50
Screw Hyd. Motor Power	HP	25	25	25	25	25	30	30	40	40	40	40	40	40
Heating Zones	No.	3+1	3+1	3+1	3+1	3+1	3+1	3+1	4+1	4+1	4+1	4+1	4+1	4+1
Total Heating Power	KW	6.75	10.5	6.75	10.5	10.5	12.8	12.8	14.3	14.3	14.3	14.3	20	20
Mold Clamping Force	U.S. tons	85	85	100	100	125	125	175	175	225	225	225	225	225
Min. Max. Mold Thickness	in.	3.93-18.11	3.93-18.11	3.93-18.11	3.93-18.11	6.1-22.04	6.1-22.04	8.27-24.8	8.27-24.8	8.27-28.74	8.27-28.74	8.27-28.74	24.8	24.8
Max. Opening Stroke	in.	16.14	16.14	16.14	16.14	19.68	19.68	21.65	21.65	24.8	24.8	24.8	24.8	24.8
Max. Daylight	in.	34.25	34.25	34.25	34.25	41.72	41.72	46.45	46.45	53.54	53.54	53.54	53.54	53.54
Platen Dimensions	in.	22.05 x 22.05	22.05 x 22.05	24.02 x 24.02	24.02 x 24.02	27.16 x 27.16	27.16 x 27.16	30.31 x 30.31	30.31 x 30.31	33.85 x 33.85	33.85 x 33.85	33.85 x 33.85	33.85 x 33.85	33.85 x 33.85
Distance Between Bars	in.	14.56 x 14.56	14.56 x 14.56	16.34 x 16.34	16.34 x 16.34	18.11 x 18.11	18.11 x 18.11	20.07 x 20.07	20.07 x 20.07	22.44 x 22.44	22.44 x 22.44	22.44 x 22.44	22.44 x 22.44	22.44 x 22.44
Tie Bar Diameter	in.	2.75	2.75	2.75	2.75	3.34	3.34	3.93	3.93	4.52	4.52	4.52	4.52	4.52
Ejection Force	U.S. tons	3.8	3.8	3.8	3.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Ejector Stroke	in.	5.11	5.11	5.11	5.11	6.3	6.3	7.48	7.48	8.66	8.66	8.66	8.66	8.66
Hydraulic Circuit Pressure	psi	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
Max. Dry Cycles	min ⁻¹	54	54	50	50	43	43	40	40	40	40	40	40	40
Oil Tank Capacity	gal	60	60	60	60	80	80	100	100	125	125	125	125	125
Refrigeration Requirement for Hydraulic Cooling	kJ/hr.	26787	26787	26787	26787	26787	32145	32145	37502	37502	37502	37502	46878	46878
Water Requirement for Hydraulic Cooling	gal./hr.	169	169	169	169	169	203	203	238	238	238	238	296	296
Electric Motor Power	HP	25	25	25	25	25	30	30	40	40	40	40	50	50
Total Installed Power	KW	25.25	29	25.25	29	25.25	34.8	34.8	44.3	44.3	44.3	44.3	57	57
Overall Dimensions L x H x W	ft.	17.42 x 6.56 x 4.33	17.55 x 6.66 x 4.33	17.42 x 6.56 x 4.33	17.55 x 6.66 x 4.33	18.96 x 6.82 x 4.92	19.62 x 6.82 x 4.92	20.87 x 7.02 x 5.18	21.98 x 7.55 x 5.18	23.39 x 7.71 x 5.84	23.39 x 7.71 x 5.84	24.64 x 7.74 x 5.84	24.64 x 7.74 x 5.84	24.64 x 7.74 x 5.84
Net Weight	lb	11575	11900	12235	12565	14550	15400	19400	19800	25350	25350	26000	26000	26000

(*) In cycle, residence time 3.33 min. - PE-HD*