

# Specifications

**PRODUCER**  
U.S.A

MODELS		P30	P50	P75	P90	P130	P160	P200	DH-P250	DH-P300	DH-P500
Clamping force (at 90kg/cm <sup>2</sup> )	ton	33 (at 1015 PSI)	55	82.5 (at 1522 PSI)	99	143 (at 1667 PSI)	185 (at 1667 PSI)	220	308	363	567 (at 1700 PSI)
Tie Bar Diameter	in	1.96 × 6	2.16 × 4, 1.96 × 2	2.36 × 6	2.55 × 4, 2.36 × 2	3.14 × 6	3.34 × 4, 3.14 × 2	3.54 × 4, 3.14 × 2	3.93 × 6	4.4 × 4, 3.93 × 2	5.31 × 6
Die Platen size (HxV)	in	18.1 × 18.9	19.3 × 20	20.5 × 21.6	22.4 × 21.6	26.7 × 24.9	27.5 × 26.3	28.1 × 28.1	32.2 × 35	34 × 36.2	42.1 × 42.1
Between tie bars (HxV)	in	11 × 11	12 × 12	13.38 × 13.38	13.8 × 13.8	15.75 × 15.75	17.5 × 16.3	18.3 × 18.3	20.5 × 20.5	21.2 × 21.2	27.3 × 27.3
Max. Die stroke	in	7.59	7.59	8.46	10.6	11.53	14.25	14.25	15.75	15.75	19.68
Die Height	in	3.93 ~ 13.77	3.93 ~ 15.74	3.14 ~ 18.11	3.14 ~ 17.32	3.54 ~ 19.48	4.72 ~ 19.68	5.9 ~ 19.68	7.87 ~ 23.62	7.87 ~ 22.44	11.81 ~ 27.55
Nozzle touch force	ton	3.3	3.3	5.06	5.06	5.94	5.94	5.94	11	11	14.63
Nozzle break stroke	in	5.9	5.9	6.29	6.29	7.08	7.08	9.84	9.84	9.84	11.81
Dia. Injection cylinder	in	2.75	3.14	3.54	3.74	3.93	4.33	4.72	5.11	5.11	5.9
Max. Injection force (at 70kg/cm <sup>2</sup> )	ton	2.53 (at 870 PSI)	3.3 (at 870 PSI)	4.95	5.5	6.05	7.26	8.69	10.23	10.23	17.38 (at 1035 PSI)
Max. Injection stroke	in	4.72	4.72	4.92	4.92	7.48	7.48	7.87	7.87	7.87	9.84
Standard plunger tip dia.	in	1.5/1.77	1.77	1.96	2.16	2.36	2.36 / 2.55	2.75	2.95	2.95 / 3.14	3.54 / 3.93
Total net injection amount (Zn)	lbs	1.32/2.09	2.09	2.55	3.06	5.95	5.95 / 6.5	7.9	9.9	9.9 / 11.5	12.8 / 17.1
Melting pot capacity (Zn)	lbs	440	440	573	793	1102	1102	1322	1543	1543	2204
Nozzle position (Center lower part)	in	0, -1.96	0, -1.96	0, -2.36	0, -2.36	0, -3.14	0, -3.93	0, -3.93	0, -5.9	0, -5.9	0, -6.9
Max. Casting area	sq. in	18.29 / 25.73	32.8	40.61	52.85	82.61	89 / 104.6	120.9	164.61	193.9 / 221.1	257.5 / 317.6
Casting pressure	PSI	2944 / 2103	2741	3321	3060	2828	3393 / 2886	2973	3060	3060 / 2683	3596 / 2915
Intensifier pressure	PSI	–	–	–	–	1450	1450	1450	1450	1450	1450
Ejection force	ton	2.75	2.75	4.18	4.18	6.6	8.25	9.35	15.18	15.18	26.4
Ejection stroke	in	2.36	2.36	2.75	2.75	3.54	3.54	3.54	3.93	3.93	5.1
Casting cycles (Free)	n/h	1200	1200	1000	900	800	700	650	650	650	500
Working pressure	PSI	1015	1450	1595	1522	1740	1740	1522	1522	1522	1740
Accumulator (Bladder type)	Gal/pcs	2.6 × 2	2.6 × 2	2.6 × 1, 5.3 × 1	5.3 × 2	5.3 × 1, 7.0 × 1	5.3 × 2, 7.9 × 1	5.3 × 2, 7.9 × 1	7.9 × 2, 13.2 × 1	7.9 × 2, 13.2 × 1	7.9 × 1, 13.2 × 3
Oil tank capacity	Gal	39.6	39.6	52.8	52.8	92.4	92.4	158.5	211	211	211
3 Phase induction motor	HP	5	7.5	10	15	15	20	25	40	40	50
220/110VAC transformer	amp	5	5	5	5	5	5	5	5	5	5
Machine weight	ton	4.07	4.4	5.3	5.7	9.6	9.9	11	16	17	29.5
Overall dimensions (LxWxH)	Ft	9.8 × 5.2 × 6.5	9.8 × 5.2 × 6.5	11.1 × 6.5 × 6.6	11.8 × 6.5 × 6.6	15.7 × 6.9 × 7.5	16 × 6.9 × 7.5	16.4 × 6.8 × 7.7	19.1 × 6.2 × 8	19.1 × 6.2 × 8	22 × 6.8 × 9
Injection System		2 stage injection					2 stage injection and intensifier				