

DATA SHEET INJECTION BLOW MOLD - Dec 2017



TYPE: Hydraulic (H) Full Electric (E) Hybrid Electric (HE)	60 Ton (H) (HE)	88 Ton (H) (HE) (E)	135 Ton (H)	205 Ton (H)	205 Ton (HE)	220 Ton (H) Jumbo
EXTRUDER	250 / 450 (60 Ton)	300 / 700 350 / 800 (88 Ton)	700 / 1200 (135 Ton)	700 / 1990 (205 Ton)	700 / 1990 (205 Ton)	800 / 2000 (220 Ton)
Screw Diameter Inch (mm)	1.77 (45)	2.16 (55)	2.75 (70)	2.75 (70)	2.75 (70)	3.5 (80)
L / D	22:1	22.1	24:1	24:1	24:1	28:1
Plastification Rate Grams / Sec.	24 / sec	30 / sec	42 / sec	55 / sec	55 / sec	80 / sec
Optional Extruder Screw Grams / Sec.	30 / sec	40 / sec	55 / sec	80 / sec	80 / sec	
CLAMP	250 / 450	300 / 700	700 / 1200	700 / 1990	700 / 1990	800 / 2000 Jumbo
Blow Clamp Tonnage US Tons / KN	8.43 (80)	12.3 (116)	22.4 (180)	22.4 (180)	22.4 (180)	35 (320)
Injection Clamp Tonnage US Tons / KN	51.7 (470)	78.6 (800)	135 (1300)	182 (1620)	182 (1620)	185 (1660)
Clamp Open Stroke Inch (mm)	4.7 (119)	5.0 (127)	5.00 or 6.0 (127) (152)	6.0 (152)	6.0 (152)	6.0 (152)
Maximum Die Set Width Inch (mm)	24.4 (620)	31.5 (800)	44.9 (1140)	45 (1143)	45 (1143)	57 (1448)
Mold Stack Height Inch (mm)	9.44 (245) or 10.00 (254)	10.00 (254)	10.00 (254)	10.00 (254)	10.00 (254)	10.00 (254)
Maximum Swing Radius Inch (mm)	19.0 (485)	24.0 (610)	31.5 (800)	31.5 (800)	31.5 (800)	38" (965)
Trigger Bar Length Inch (mm)	17.9 (456) or more	25.9 (660)	39" + 43.5"	39" + 43.5"0	39" + 43.5"	51" (1295) + 55" (1397)
Machine Center of Pressure Inch (mm)	14.1 (360)	16.5 (420)	21.6 (550)	23 (584)	23 (584)	23 (584)
Dry Cycle Sec.	2.89	2.89	3.0	3.0	3.0	3.4
Machine Dimensions L x W x H Inches	157.5 x 59 x 78.7	159 x 63 x 72.8	178 x 81.5 x 78.3	178 x 81.5 x 78.3	178 x 81.5 x 78.3	280 x 105 x 118
Machine Weight US Tons	5	9.5	17	17.1	17.2	25

UTILITIES						
HYDRAULIC	250 / 450 (60 Ton)	300 / 700 (88 Ton)	700 / 1200 (135 Ton)	700 / 1990 (205 Ton)	700 / 1990 (205 Ton)	800 / 2000 (220 Ton)
Total Electrical KW	36	55	83	_____	_____	93
Average Running Load KW	23	32	48	_____	_____	57
Hydraulic Reservoir Capacity Gal (L)	105 (350)	105 (400)	150 (550)	_____	_____	150 (600)
Main Motor HP (KW)	30 (22)	40 (30)	75 (45)	_____	_____	(55)
Chilled Water Requirement Gal/Min/Deg F	10 / 50	20 / 50	25 / 50	_____	_____	25 / 50
Tower Water Gal/Min/Deg F	15 / 75	25 / 75	25 / 75	_____	_____	30 / 75
Air Pressure Required PSI / SCFM	150 / 18 *	150 / 25 *	150 / 35 *	_____	_____	150 / 35 * 300 PSI Available
HYBRID						
HYBRID	250 / 450 (60 Ton)	350 / 800 (88 Ton)	700 / 1200 (135 Ton)	700 / 1990 (205 Ton)	700 / 1990 (205Ton)	800 / 2000 (220 Ton)
Total Electrical KW	53.5	77	_____	_____	113	136
Average Running Load KW	18	21	_____	_____	43	50
Hydraulic Reservoir Capacity Gal (L)	105 (350)	105 (400)	_____	_____	150 (550)	150 (600)
Main Motor HP (KW)	30 (22+17.5=39.5)	40 (30+24.5=54.5)	_____	_____	75 (37+43=80)	(98)
Chilled Water Requirement Gal/Min/Deg F	10 / 50	20 / 50	_____	_____	25 / 50	25 / 50
Tower Water Gal/Min/Deg F	15 / 75	25 / 75	_____	_____	30 / 75	30 / 75
Air Pressure Required PSI / SCFM	150 / 18 *	150 / 25 *	_____	_____	150 / 35 *	150 / 35 * 300 PSI Available
FULL ELECTRIC						
FULL ELECTRIC	250 / 450 (60 Ton)	300 / 700 (88 Ton)	700 / 1200 (135 Ton)	700 / 1990 (199 Ton)	700 / 1990 (205Ton)	800 / 2000 (220 Ton)
Total Electrical KW	51	70	_____	_____	_____	_____
Average Running Load KW	11.5	14.5	_____	_____	_____	_____
Main Motor HP (KW)	51	70	_____	_____	_____	_____
Chilled Water Requirement Gal/Min/Deg F	10 / 50	20 / 50	_____	_____	_____	_____
Tower Water Gal/Min/Deg F	15 / 75	25 / 75	_____	_____	_____	_____
Air Pressure Required PSI / SCFM	150 / 18 *	150 / 25 *	_____	_____	_____	_____