

## Specifications

SYSTEM	ITEMS	CLAMPING FORCE	HC-80SE			HC-100SE			HC-125SE		
			80			100			125		
INJECTION SYSTEM	SCREW DIAMETER	unit	S	M	L	S	M	L	S	M	L
		mm	28	32	38	32	38	42	32	38	42
	INJECTION PRESSURE	kg/cm <sup>2</sup>	2670	2044	1450	2044	1450	1187	2044	1450	1187
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	***	2657	1885	2657	1885	1543	2657	1885	1543
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	108	142	200	142	200	245	142	200	245
	SHOT WEIGHT(PS)	g	96	127	180	127	180	220	127	180	220
		oz	3,4	4,5	6,3	4,5	6,3	7,7	4,5	6,3	7,7
	INJECTION RATE	cm <sup>3</sup> /sec	69,7	91,0	128,3	91,0	128,3	156,7	116,4	164,1	200,5
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	***	70,9	100	70,9	100	122,1	90,7	128	156,2
	PLASTICISING CAPACITY	kg/hr	23,5	31,3	44	31,3	44	53,9	40	56,3	68,9
SCREW REVOLVING SPEED	rpm	0-320	0-270			0-270			0-336		
CLAMPING SYSTEM	CLAMPING STROKE	mm	345			380			450		
	SPACE BETWEEN TIE BARS(HxV)	mm	330 x 330			360 x 360			410 x 400		
	MOLD PLATEN DIMENSIONS (HxV)	mm	485 x 485			515 x 515			580 x 580		
	RANGE OF MOLD HEIGHT	mm	80-350			100-375			125-425		
	HYDRAULIC EJECTOR STROKE	mm	110			110			110		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	11			11			15		
	HEATER CAPACITY (220V)	kw	4,6	5,8	5,8	5,8	8,2	8,2	5,8	8,2	8,2
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	3.4x1.1x1.6			3.8x1.2x1.6			4.0x1.2x1.6		
	NET WEIGHT	ton	3,3			3,6			4,2		



SYSTEM	ITEMS	CLAMPING FORCE	HC-160SE			HC-210SE			HC-250SE		
			160			210			250		
INJECTION SYSTEM	SCREW	unit	S	M	L	S	M	L	S	M	L
	DIAMETER	mm	38	42	48	42	48	55	48	55	60
	INJECTION PRESSURE	kg/cm <sup>2</sup>	1755	1440	1100	1905	1460	1110	1945	1481	1244
	INJECTION PRESSURE	kg/cm <sup>2</sup>	2281	1872	1430	2476	1898	1430	2528	1925	1617
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	226	276	361	276	361	474	425	558	664
	SHOT WEIGHT(PS)	g	204	248	325	248	325	426	382	502	597
		oz	7,2	8,7	11,4	8,7	11,4	15,0	13,4	17,7	21,0
		INJECTION RATE	cm <sup>3</sup> /sec	169,7	207,3	207,6	244,0	319,0	419,0	249,6	237,7
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	130,8	159,8	208,7	183	239	314	188,3	247,2	294,2
CLAMPING SYSTEM	SCREW REVOLVING	rpm	0-320			0-335			0-260		
	CLAMPING STROKE	mm	500			550			600		
	SPACE BETWEEN TIE BARS(HxV)	mm	460x450			510x500			560x550		
	MOLD PLATEN DIMENSIONS (HxV)	mm	660x660			735x735			810x810		
	RANGE OF MOLD HEIGHT	mm	150-500			150-550			180-600		
ELECTRICAL SYSTEM	HYDRAULIC EJECTOR STROKE	mm	130			150			160		
	PUMP MOTOR	kw	15			22			22		
	HEATER CAPACITY (220V)	kw	7,5	12,3	12,3	9,3	12,3	12,3	11,2	16	16
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	4.5x1.2x1.8			4.9x1.4x1.9			5.4x1.5x2.0		
	NET WEIGHT	ton	5,3			6,8			8,5		

SYSTEM	ITEMS	CLAMPING FORCE	HC-300SE			HC-350SE			HC-400SE		
			300			350			400		
INJECTION SYSTEM	SCREW	unit	S	M	L	S	M	L	S	M	L
	DIAMETER	mm	55	60	65	60	65	70	65	70	75
	INJECTION PRESSURE	kg/cm <sup>2</sup>	1629	1360	1160	1860	1590	1370	1723	1485	1294
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	2117	1768	1508	2418	2067	1781	2239	1930	1682
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	617	734	861	848	994	1153	1128	1307	1501
	SHOT WEIGHT(PS)	g	555	660	775	763	894	1037	1015	1176	1350
		oz	19,5	23,2	27,3	26,9	31,5	36,5	35,8	41,4	47,5
	INJECTION RATE	cm <sup>3</sup> /sec	366,6	436,2	511,9	319,9	375,4	435,3	388	450	517
INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	283	336,8	395,2	243,7	286	331,7	298,4	346,1	397,7	
SCREW REVOLVING SPEED	rpm	0-256			0-204			0-212			
CLAMPING SYSTEM	CLAMPING STROKE	mm	650			710			765		
	SPACE BETWEEN TIE BARS(HxV)	mm	610x600			655x650			705x700		
	MOLD PLATEN DIMENSIONS (HxV)	mm	880x880			960x960			1035x1035		
	RANGE OF MOLD HEIGHT STROKE	mm	160-650			180-700			200-750		
	HYDRAULIC EJECTOR STROKE	mm	180			180			200		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	30			30			37		
	HEATER CAPACITY (220V)	kw	12,5	18,5	18,5	16,5	19,8	19,8	19,9	27,1	27,1
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	6.1x1.6x2.0			6.4x1.7x2.1			7.0x1.8x2.1		
	NET WEIGHT	ton	10,5			12,5			16,5		



SYSTEM	ITEMS	CLAMPING FORCE	HC-450SE			HC-600SE			HC-800SE		
			450			600			800		
INJECTION SYSTEM	SCREW	unit	S	M	L	S	M	L	S	M	L
	DIAMETER	mm	70	75	80	75	80	90	80	90	100
	INJECTION PRESSURE	kg/cm <sup>2</sup>	1823	1588	1395	1910	1680	1327	2158	1725	1398
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	2381	2064	1813	2483	2184	1725	2805	2242	1817
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	1539	1767	2010	1943	2210	2797	2361	2988	3689
	SHOT WEIGHT(PS)	g	1385	1590	1809	1748	1989	2517	2124	2689	3320
		oz	48,8	56	63,7	61,6	70	88,7	74,9	94,7	117
	INJECTION RATE	cm <sup>3</sup> /sec	367	421	480	405	461	583	515	651	804
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	282.3	323.8	369.2	311.5	354.6	448.4	396.1	500.7	618.4
SCREW REVOLVING SPEED	rpm	0-118			0-119			0-138			
CLAMPING SYSTEM	CLAMPING STROKE	mm	900			970			1080		
	SPACE BETWEEN TIE BARS (HxV)	mm	780x780			880x880			1005x1000		
	MOLD PLATEN DIMENSIONS (HxV)	mm	1160x1160			1300x1300			1470x1470		
	RANGE OF	mm	250-870			275-1020			300-1100		
	HYDRAULIC EJECTOR STROKE	mm	240			300			300		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	37,0			44,0			59,0		
	HEATER CAPACITY (220V)	kw	27,4	31	31	30,2			38		
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	7.8x1.9x2.1			8.8x2.1x2.2			10x2.3x2.3		
	NET WEIGHT	ton	21			27			51		



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SYSTEM	ITEMS	CLAMPING FORCE	HC-1060SE			HC-1360SE			HC-1480SE		
			1060			1360			1480		
INJECTION SYSTEM	SCREW DIAMETER	unit mm	S 100	M 110	L 120	S 100	M 110	L 120	S 120	M 130	L 140
	INJECTION PRESSURE	kg/cm <sup>2</sup>	2082	1721	1446	2082	1721	1446	1736	1480	1276
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	2706	2237	1879	2706	2237	1879	2308	1968	1697
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	4710	5700	6785	4710	5700	6785	7464	8760	10160
	SHOT WEIGHT(PS)	g	4239	5130	6106	4239	5130	6106	6818	8002	9281
		oz	149.4	180.8	215.2	149.4	180.8	215.2	240.3	282.0	327.1
	INJECTION RATE	cm <sup>3</sup> /sec	643	778	926	643	778	926	892	1046	1214
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	494	598	712	494	598	712	670	786	912
	SCREW REVOLVING SPEED	rpm	0-112			0-112			0-100		
CLAMPING SYSTEM	CLAMPING STROKE	mm	1260			1500			1500		
	SPACE BETWEEN TIE BARS(HxV)	mm	1120x1120			1220x1120			1350x1220		
	MOLD PLATEN DIMENSIONS (HxV)	mm	1630x1630			1770x1670			1900x1770		
	RANGE OF MOLD HEIGHT	mm	300-1200			300-1400			300-1400		
	HYDRAULIC EJECTOR STROKE	mm	320			320			320		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	74			74			81		
	HEATER CAPACITY (220V)	kw	62,2			62,2			72		
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	11.5x2.5x2.4			12x2.7x2.5			12.5x2.7x2.5		
	NET WEIGHT	ton	55			65			69		



SYSTEM	ITEMS	CLAMPING FORCE	HC-1680SE			HC-2200SE		
			1680			2200		
INJECTION SYSTEM	SCREW DIAMETER	unit mm	S 130	M 140	L 150	S 150	M 160	L 170
	INJECTION PRESSURE	kg/cm <sup>2</sup>	1704	1470	1281	1673	1470	1302
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	2210	1910	1660	2174	1911	1692
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	10220	11853	13607	15021	17090	19293
	SHOT WEIGHT(PS)	g	9198	10667	12246	13519	15381	17363
		oz	324.1	375.9	431.5	476.4	542	611.9
	INJECTION RATE	cm <sup>3</sup> /sec	909	1054	1210	1467	1670	1885
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	699	810	930	1129	1284	1450
	SCREW REVOLVING SPEED	rpm	0-100			0-95		
CLAMPING SYSTEM	CLAMPING STROKE	mm	1700			1900		
	SPACE BETWEEN TIE BARS(HxV)	mm	1520x1400			1800x1600		
	MOLD PLATEN DIMENSIONS (HxV)	mm	2090x1970			2450x2250		
	RANGE OF MOLD HEIGHT	mm	500-1500			600-1700		
	HYDRAULIC EJECTOR STROKE	mm	320			350		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	81			125		
	HEATER CAPACITY (220V)	kw	88			109.7		
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	13.0x2.8x2.8			15.5x3.0x3.0		
	NET WEIGHT	ton	91			160		



SYSTEM	ITEMS	CLAMPING FORCE	HC-2700SE			HC-3200SE		
			2700			3200		
INJECTION SYSTEM	SCREW DIAMETER	unit mm	S 150	M 160	L 170	S 170	M 180	L 190
	INJECTION PRESSURE	kg/cm <sup>2</sup>	1673	1470	1302	1844	1645	1476
	INJECTION PRESSURE (FOUR)	kg/cm <sup>2</sup>	2174	1911	1692	2380	2120	1900
	THEORETICAL SHOT VOLUME	cm <sup>3</sup>	15021	17090	19293	20428	22902	25518
	SHOT WEIGHT(PS)	g	13519	15381	17363	18385	20611	22966
		oz	476.4	542	611.9	649.6	728.3	811.5
	INJECTION RATE	cm <sup>3</sup> /sec	1467	1670	1885	1452	1628	1815
	INJECTION RATE (FOUR)	cm <sup>3</sup> /sec	1129	1284	1450	1117	1252	1396
	SCREW REVOLVING SPEED	rpm	0-95			0-74		
CLAMPING SYSTEM	CLAMPING STROKE	mm	2100			2200		
	SPACE BETWEEN TIE BARS(HxV)	mm	2000x1700			2200x1800		
	MOLD PLATEN DIMENSIONS (HxV)	mm	2820x2520			3020x2620		
	RANGE OF MOLD HEIGHT	mm	700-1800			800-2000		
	HYDRAULIC EJECTOR STROKE	mm	350			350		
ELECTRICAL SYSTEM	PUMP MOTOR	kw	125			154		
	HEATER CAPACITY (220V)	kw	109.7			125.6		
	ALLOWABLE MAXIMUM PUMP PRESSURE	kg/cm <sup>2</sup>	140			140		
MECHANICAL DIMENSIONS	MACHINE SIZE	M	16.5x3.2x3.2			17x3.6x3.3		
	NET WEIGHT	ton	190			220		