

Technical Specification HG Series

HG 58 to HG 218

Description	Unit	HG 58			HG 88			HG 128			HG 168			HG 218		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Injection Unit																
Screw Diameter	mm	26	30	34	35	37	40	37	40	43	40	45	48	45	50	55
Screw L/D Ratio	L/D	24	21	19	20.6	19.5	18	21.1	19.6	18.2	22.5	20	18.8	22.2	20	18.2
Short Volume (Theoretical)	cm ³	66	88	113	123	137	160	172	201	232	270	342	389	334	412	499
Shot Weight	gms.	60	80	103	110	123	145	154	181	209	243	308	350	301	371	449
(PS)	OZ	2.1	2.8	3.6	3.9	4.3	5.1	5.43	6.38	7.37	8.57	10.9	12.4	10.7	13.2	15.9
Injection Pressure	MPa	245	184	143	193	173	148	196	168	145	201	159	140	216	175	144
Injection Speed	mm/s	120			93			99			114			96		
Screw Speed	rpm	0~220			0~220			0~220			0~180			0~180		
Clamping Unit																
Clamping Force	KN	580			880			1280			1680			2180		
Toggle Stroke	mm	270			320			365			425			470		
Space Between Tie Bars	mm	310 x 310			365 x 365			412 x 412			465 x 465			515 x 515		
Max. Mould Height	mm	320			380			450			480			530		
Min. Mould Height	mm	120			150			160			180			200		
Ejector Stroke	mm	70			100			130			130			130		
Ejector Force	KN	22			27.5			39.6			39.6			62		
Ejector Number	n	1			5			5			5			5		
Others																
Max. Pump Pressure	MPa	17.5			16			16			16			16		
Pump Motor Power	KW	7.5			11			13			15			18.5		
Heater Power	KW	5.1			5.8			7.6			10			11.65		
Machine Dimensions (L x W x H)	m	3.78 x 1.02 x 1.81			3.92 x 1.08 x 2.04			4.39 x 1.12 x 2.08			4.98 x 1.21 x 2.22			5.60 x 1.34 x 2.27		
Oil Tank Capacity	Liter	120			185			185			200			280		
Machine Weight	Ton	2.5			3.5			4			5.5			6.7		

HG 268 to HG 368

Description	Unit	HG 268			HG 308			HG 368		
Item		A	B	C	A	B	C	A	B	C
Injection unit										
Screw Diameter	mm	50	55	60	60	65	70	65	70	75
Screw L/D Ratio	L/D	22.5	20.5	18.5	21.7	20	18.6	22.4	20.6	19.2
Short Volume (Theoretical)	cm ³	490	593	707	727	853	989	1094	1269	1457
Shot Weight	gms.	441	534	636	662	776	900	995	1154	1325
(PS)	OZ	15.6	18.8	22.4	23.3	27.3	31.7	35	40.7	46.7
Injection Pressure	MPa	205	169	142	213	182	157	208	180	156
Injection Speed	mm/s	91			86			92		
Screw Speed	rpm	0~180			0~180			0~180		
Clamping unit										
Clamping Force	KN	2680			3080			3680		
Toggle Stroke	mm	540			600			700		
Space Between Tie-bars	mm	570 X 570			660 X 660			725 X 705		
Max. Mould Height	mm	600			660			750		
Min. Mould Height	mm	220			250			250		
Ejector Stroke	mm	130			160			160		
Ejector Force	KN	62			70			110		
Ejector Number	n	9			13			13		
Others										
Max Pump Pressure	MPa	16			16			16		
Pump Motor Power	KW	22			30			37		
Heating Power	KW	14.7			17			19.65		
Machine Dimensions (L X W X H)	m	5.84 X 1.41 X 2.34			6.80 X 1.71 X 2.42			7.23 X 1.87 X 2.57		
Oil Tank Capacity	Liter	315			550			650		
Machine Weight	Ton	9			11			15		

HG 468 to HG 650

Description	Unit	HG 468			HG 568				HG 650			
Item		A	B	C	A	B	C	D	A	B	C	D
Injection unit												
Screw Diameter	mm	75	80	84	75	84	90	100	80	90	100	110
Screw L/D Ratio	L/D	21.4	20	19	23.6	21.1	19.7	17.7	24.8	22	19.8	18
Short Volume (Theoretical)	cm ³	1722	1959	2160	1808	2492	2861	3532	2036	2576	3181	3849
Shot Weight	gms.	1567	1786	1966	1627	2242	2575	3179	1853	2344	2895	3503
(PS)	OZ	55.3	62.9	69.4	56.1	77.3	88.8	109	65.4	82.7	102.1	123.6
Injection Pressure	Mpa	177	156	141	205	163	142	115	224	177	143	118
Injection Speed	mm/s	96			90				95			
Screw Speed	rpm	0~160			0~120				0~120			
Clamping unit												
Clamping Force	KN	4680			5680				6500			
Toggle Stroke	mm	750			850				900			
Space Between tie bars	mm	800 X 762			835 X 835				895 X 895			
Max. Mould Height	mm	820			880				900			
Min. Mould Height	mm	300			350				400			
Ejector Stroke	mm	200			250				260			
Ejector Force	KN	120			158				175			
Ejector Number	n	13			17				17			
Others												
Max. Pump Pressure	MPa	16			16				16			
Pump Motor Power	KW	45			55				30 + 30			
Heater Power	KW	23.65			34				46.45			
Machine Dimensions (L X W X H)	m	8.00 X 1.92 X 2.71			8.82 X 2.32 X 2.80				9.93 X 2.45 X 2.43			
Oil Tank Capacity	Liter	700			1200				1487			
Machine Weight	Ton	20			30				36			

HG 780 to HG 1600

Description	Unit	HG 780				HG 1000				HG 1600			
Item		A	B	C	D	A	B	C	D	A	B	C	D
Injection unit													
Screw Diameter	mm	90	100	110	120	100	110	120	130	120	130	140	150
Screw L/D Ratio	L/D	24.5	22	20	18.3	24.3	22.1	20.2	18.7	26.1	24.1	22.4	20.9
Short Volume (Theoretical)	cm ³	2925	3611	4369	5200	3766	4581	5451	6398	6672	7831	9082	10426
Shot Weight	gms.	2632	3250	3932	4680	3445	4168	4960	5822	6071	7126	8264	9487
(PS)	OZ	91	113	137	163	121.5	147	175	205.4	214.1	251.4	291.5	334.6
Injection Pressure	MPa	228	184	152	128	211	174	146	25	193	164	142	123
Injection Speed	mm/s	88				96				104			
Screw Speed	rpm	0~120				0~110				0~99			
Clamping unit													
Mould Clamping Force	KN	7800				10000				16000			
Toggle Stroke	mm	985				1200				1600			
Space Between tie bars	mm	980 X 980				1100 X 1100				1500 X 1415			
Max. Mould Height	mm	1000				1200				1500			
Min. Mould Height	mm	400				500				700			
Ejector Stroke	mm	280				320				350			
Ejector Force	KN	186				215				318			
Ejector Number	n	21				21				29			
Others													
Max. Pump Pressure	MPa	16				16				16			
Pump Motor Power	KW	37 + 37				45 + 45				45 + 45 + 45			
Heater Power	KW	58.45				68.45				91.9			
Machine Dimensions (L X W X H)	m	11.00 X 2.60 X 3.80				11.90 X 2.80 X 4.00				13.85 X 3.43 X 4.20			
Oil Tank Capacity	Liter	1800				2306				2500			
Machine Weight	Ton	45				56				100			