

SGL-series specification

Models		1600SGL			1800SGL			2200SGL			2500SGL			
Injection unit														
Screw diameter		mm	130	140	150	180	190	200	150	160	170	150	160	170
Injection capacity		cm	9556	11083	12723	26719	29770	32991	15372	17487	19747	15372	17487	19747
Theoretical Shot size (PS)	gr	9938	11526	13231	27787	30960	34310	15986	18186	20536	15986	18186	20536	
	oz	349	405	465	978	1090	1208	562	640	723	562	640	723	
Shot size (PS)	gr	8447	9797	11247	23619	26316	29164	13585	15455	17455	13585	15455	17455	
	oz	297	344	396	831	926	1026	478	544	614	478	544	614	
Plasticizing capacity		kg/hr	589	703	784	920	1025	1130	670	763	861	670	763	861
Injection rate		cm /sec	1106	1282	1472	2172	2420	2681	1421	1616	1825	1421	1616	1825
Injection pressure (max)		kg/cm	1736	1520	1324	1729	1552	1400	1672	1469	1302	1672	1469	1302
Screw speed range		rpm	0~155			0~146			0~146			0~100		
Nozzle contact force		tons	21.1			21.1			21.1			25		
Clamping unit														
Clamping force		ton	1600			1800			2200			2500		
Clamp stroke (max)		mm	1500			1700			1800			1800		
Mold height (min-max)		mm	600~1600			600~1600			700~1700			700~1700		
Open daylight		mm	2100~3200			2300~3300			2500~3500			2500~3500		
Platen size (H*V)		mm	2170*1920			2170*1920			2580*2380			2620*2420		
Distance between Tie-rods		mm	1530*1280			1530*1280			1800*1600			1800*1600		
Hydraulic ejector force		ton	28.1			35.6			44			44		
Hydraulic ejector stroke		Mm	300			350			400			400		
Hydraulic unit														
Pump capacity		1/min	837			1023			1023			1610		
System pressure		Kg/cm	140			140			140			140		
Oil tank capacity		us.gal	770			950			950			1250		
Electric unit														
Power supply (standard)		volt	220			220			220			220		
Motor rated		HP	200			225			225			375		
Number of heat control zones		set	7			10			10			10		
Heating wattage		kw	69			83.7			83.7			120		
General														
Water requirements (max)		gpm	70			70			80			100		
Machine dimensions (L*W*H)		m	14.9*3.2*2.8			16*3.5*2.8			17*4*3.38			18.7*4.4*3.5		
Machine weight		kg	100000			120000			160000			210000		
Hopper capacity		kg	200			200			200			200		

Models		3000SGL			4000SGL		
Injection unit							
Screw diameter	mm	180	190	200	210	220	230
Injection capacity	cm	26719	29790	32991	40177	44095	48195
Theoretical Shot size (PS)	gr	27787	30960	34310	41784	45858	50122
	oz	978	1090	1208	1471	1614	1764
Shot size (PS)	gr	23619	26316	29164	35516	38979	42604
	oz	831	926	1026	1250	1372	1500
Plasticizing capacity	kg/hr	920	1025	1130	1010	1108	1211
Injection rate	cm /sec	2172	2420	2681	2741	3008	3287
Injection pressure	kg/cm	1729	1552	1400	1701	1550	1418
Screw speed range	Rpm	0~100			0~58		
Nozzle contact force	tons	25			25		
Clamping unit							
Clamping force	ton	3000			4000		
Clamp stroke (max)	mm	2200			2200		
Mold height (min-max)	mm	700~2000			700~2000		
Open daylight	mm	2900~4200			2900~4200		
Platen size (H*V)	mm	2840*2740			3040*2840		
Distance between Tie-rods	mm	1900*1800			2100*1900		
Hydraulic ejector force	ton	60			60		
Hydraulic ejector stroke	Mm	500			500		
Hydraulic unit							
Pump capacity	1/min	1610			2000		
System pressure	Kg/cm	140			140		
Oil tank capacity	us.gal	1250			1550		
Electric unit							
Power supply (standard)	volt	220			220		
Motor rated	HP	375			450		
Number of heat control zones	set	10			10		
Heating wattage	kw	120			150		
General							
Water requirements (max)	gpm	125			150		
Machine dimensions (L*W*H)	m	19.2*4.7*4.5			19.7*4.9*4.1		
Machine weight	kg	230000			280000		
Hopper capacity	kg	200			200		