

ITEM		Unit	ISGT720W				
CLAMP	Clamping Force	tf	650				
		US Ton	716				
	Mold Opening Force	tf	40				
		US Ton	44				
	Tie Bar Distance (HxV)	mm	1080 x 1080				
		in	42.5 x 42.5				
	Platen Dimension (HxV)	mm	1530 x 1530				
		in	60.2 x 60.2				
	Clamp Stroke	mm	1350				
		in	53.1				
	Maximum Daylight	mm	1800				
		in	70.9				
	Mold Height (Min~Max)	mm	450 ~ 950				
		in	17.7 ~ 37.4				
Ejector Force	tf	21.2					
	US Ton	23.4					
Ejector Stroke	mm	200					
	in	7.9					
Injection Unit			i59		i81		
Barrel Code			AT	B	AT	B	
Screw Diameter	mm	95	105	105	120		
	in	3.74	4.13	4.13	4.72		
Injection Capacity	cm <sup>3</sup>	3150	3850	4320	5650		
	in <sup>3</sup>	192.22	234.94	263.62	344.78		
Shot Volume	PS	g	2900	3540	3980	5200	
		oz	102	125	140	183	
	PE	g	2300	2810	3160	4120	
		oz	81	99	111	145	
Maximum Injeciton Pressure	MPa	185	151	183	140		
	PSI	26800	21900	26500	20300		
Injection Velocity	mm/s	111	111	81	81		
	in/s	4.4	4.4	3.2	3.2		
Injection Rate	cm <sup>3</sup> /s	784	955	790	1035		
	in <sup>3</sup> /s	47.8	58.3	48.2	63.2		
Plasticizing Capacity	PS	g/sec	117	136	136	161	
		oz/sec	4.1	4.8	4.8	5.7	
Screw Speed	STD	rpm	140	127	127	110	
	MID TORQUE	rpm	—	—	—	—	
	HIGH TORQUE	rpm	93	93	93	71	
Screw Torque	STD	N·m	4380	4380	5770	5770	
		lbf·ft	3231	3231	4256	4256	
	MID TORQUE	N·m	—	—	—	—	
		lbf·ft	—	—	—	—	
HIGH TORQUE	N·m	8770	8770	11500	11500		
	lbf·ft	6469	6469	8482	8482		
Nozzle Touch Force	kN	57		90			
	US Ton	6.4		10			
GENERAL	Required Oil Quantity	L	1000				
		Gal	264				
	Required Cooling Water @ 85F	L/min	50				
		GPM	13				
	Motor for Pump	kW	33 + 33 + 33				
	Heater Capacity	kW	44.0		57.2		
	Machine Dimensions L x W x H	m	8.6 x 3.0 x 2.6		9.4 x 2.9 x 2.6		
		ft	28.2 x 9.6 x 8.3		30.6 x 9.3 x 8.3		
	Machine Weight	Clamp	t	25		25	
				7		9	
		Injection	US Ton	32		34	
28				28			
Total		8.0		10.0			
		36		38			

Note)

- 1 : Due to continuous improvements, specifications are subject to change without notice.
- 2 : Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions.
- 3 : Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure.  
Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions.
- 4 : Min. mold dimensions are 29.7 in(H) x 29.7 in(V), 755 mm(H) x 755 mm(V).  
In case of Max. Clamping Force, do not mount smaller mold than described above.