

PLASTAR SI-200IV SPECIFICATIONS

		In-line screw													
		F								G					
Injection system	—	In-line screw													
Injection unit type	—	F								G					
Injection stroke	in	4.40	5.03	5.66	6.29	5.03	5.66	6.29	6.29	7.24	7.87				
Screw diameter	in(mm)	1.10(28)	1.25(32)	1.41(36)	1.57(40)	1.25(32)	1.41(36)	1.57(40)	1.81(46)	1.57(40)	1.81(46)	1.96(50)	2.16(55)		
Theoretical injection capacity	in ³	4.21	6.28	8.97	12.26	6.28	8.97	12.26	16.23	12.26	18.67	23.98	28.99		
Injection capacity(PS)	oz	2.31	3.45	4.92	6.73	3.45	4.92	6.73	8.91	6.73	10.25	13.16	15.91		
Injection	Standard	Injection unit	F75BU								—				
		Injection rate	in ³ /s	5.61	7.38	9.33	11.47	—							
		Max. injection speed	in/s	5.90								—			
		Max. injection pressure	psi	39812	34141	27716	22741	—							
	Max. injection holding pressure	psi	39812	31270	24874	19899	—								
	High speed	Injection unit	F200HBU				F200BU				G300BU				
		Injection rate	in ³ /s	11.29	14.70	18.61	23.00	10.31	13.06	16.11	21.30	16.11	21.30	25.14	30.45
		Max. injection speed	in/s	11.81				8.26				8.26			
		Max. injection pressure	psi	39812	36259	28427	23452	38290	36259	31270	24163	35389	31270	27006	22741
	Max. injection holding pressure	psi	39812	32706	25584	20609	38290	36259	27006	21320	35389	28427	24163	19899	
	Superhigh speed	Injection unit	—				F400BU				G450BU				
		Injection rate	in ³ /s	—				19.65	24.84	30.69	40.58	23.00	30.45	35.94	43.51
		Max. injection speed	in/s	—				15.74				11.81			
		Max. injection pressure	psi	—				38290	36259	31270	24163	35389	31270	27006	22741
	Max. injection holding pressure	psi	—				38290	36259	27006	21320	35389	28427	24163	19899	
	Recovery rate (PS)	oz/s	0.40	0.60	0.87	1.10	0.60	0.87	1.10	1.68	0.95	1.53	1.95	2.22	
Screw revolution speed	min ⁻¹	350								300					
Nozzle pressing force	U.Ston	2.7								2.7					

Clamping system	—	Double toggle											
Clamping force	U.Ston	200											
Clamping stroke	in	18.50											
Min. mold height	in	7.87											
Max. mold height	in	23.62											
Tie bar clearance (H×V)	in	22.04×22.04											
Die plate size (H×V)	in	30.70×30.70											
Ejector force	U.Ston	3.85											
Ejector stroke	in	4.72											

Heater capacity	kW	5.50	5.85	6.50	7.95	5.85	6.50	7.95	11.20	7.95	11.20	13.50	16.70
Mold height motor output	kW	0.2											
Nozzle touch motor output	kW	0.2											
Machine dimension <L>	in	208.97	208.97	209.05	213.70	208.97	209.05	213.70	220.51	218.89	225.70	228.46	237.16
Machine dimensions <W×H>	in	51.29×70.86											
Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz											
Main breaker capacity	A	175 (F400BU,G450BU:225)											
Total electric capacity	kVA	F75BU:22								G300BU:43			
		F200HBU:27								G450BU:58			
Cable size 230V Class[460V Class ※1]	in ²	F200HBU:29 F400BU:49								G450BU:58			
		F75BU:0.03[0.02]								G300BU:0.05[0.03]			
Machine weight	U.Ston	F200HBU・F200BU:0.05[0.03]								G450BU:0.09[0.03]			
		7.8											
		8.1											

NOTES	
•The figures are subject to change without any legal obligation on the part of the manufacture.	•The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressures.
•The maximum injecting pressure and the maximum holding pressure are attainable maximum set values. There values may be limited by molding conditions and cycle time.	•When a screw with wide diameter is used, some resins may not be accepted.
	•When the machine is attached with an option, the capacity of the breaker. may be changed.
	•The values in brackets are applied to machines with options.
	※1.A transformer(option) is necessary on the machine side.