

## PLASTAR Si-150IV SPECIFICATIONS

Injection system		In-line screw														
Injection unit type		D				F										
Injection stroke		in	2.83	3.77	4.40		4.40	5.03	5.66	6.29	5.03	5.66	6.29			
Screw diameter		in(mm)	0.78(20)	0.94(24)	1.10(28)	1.25(32)	1.10(28)	1.25(32)	1.41(36)	1.57(40)	1.25(32)	1.41(36)	1.57(40)	1.81(46)		
Theoretical injection capacity		in <sup>3</sup>	1.40	2.62	4.21	5.49	4.21	6.28	8.97	12.26	6.28	8.97	12.26	16.23		
Injection capacity(PS)		oz	0.77	1.44	2.31	3.01	2.31	3.45	4.92	6.73	3.45	4.92	6.73	8.91		
Injection	Standard	Injection unit		-				F75BU				-				
		Injection rate		-				5.61	7.38	9.33	11.47	-				
		Max. injection speed		-				5.90				-				
		Max. injection pressure		-				39812	34141	27716	22741	-				
		Max. injection holding pressure		-				39812	31270	24874	19899	-				
	High speed	Injection unit		D150BU				F200HBU				F200BU				
		Injection rate		in <sup>3</sup> /s	-	8.30	11.29	14.70	11.29	14.70	18.61	23.00	10.31	13.06	16.11	21.30
		Max. injection speed		in/s	11.81				11.81				8.26			
		Max. injection pressure		psi	-	39812	34112	26295	39812	36259	28427	23452	38290	36259	31270	24163
		Max. injection holding pressure		psi	-	39812	25584	21320	39812	32706	25584	20609	38290	36259	27006	21320
	Superhigh speed	Injection unit		D300BU				-				-				
		Injection rate		in <sup>3</sup> /s	-	13.79	18.79	24.53	-				-			
Max. injection speed		in/s	19.68				-				-					
Max. injection pressure		psi	-	39812	34112	26295	-				-					
Max. injection holding pressure		psi	-	39812	25584	21320	-				-					
Recovery rate(PS)		oz/s	-	0.24	0.40	0.60	0.40	0.60	0.87	1.10	0.60	0.87	1.10	1.68		
Screw revolution speed		min <sup>-1</sup>	350				350									
Nozzle pressing force		U.Ston	2.2				2.7									

Clamping system		Double toggle												
Clamping force		U.Ston	150											
Clamping stroke		in	15.74											
Min. mold height		in	5.90											
Max. mold height		in	21.65											
Tie bar clearance (H×V)		in	20.07×18.11											
Die plate size (H×V)		in	27.16×25.19											
Ejector force		U.Ston	3.85											
Ejector stroke		in	3.93											

Heater capacity		kW	2.575	3.45	5.50	5.85	5.50	5.85	6.50	7.95	5.85	6.50	7.95	11.20
Mold height motor output		kW	0.2											
Nozzle touch motor output		kW	0.2											
Machine dimension <L>		in	175.90				181.81	185.74	189.01	193.66	185.74	189.01	193.66	200.47
Machine dimensions <W×H>		in	48.62×66.73											
Power source		-	Three-phase AC200V/200, 230V±10% 50Hz/60Hz											
Main breaker capacity		A	125(D300BU:150)											
Total electric capacity		kVA	D150BU:20 D300BU:35 -				F75BU:14 F200HBU:27 F200BU:29							
Cable size		in <sup>2</sup>	D150BU:0.03【0.02】 D300BU:0.05【0.03】				0.03【0.02】							
Machine weight		U.Ston	5.3				5.8							

**Notes**

- The figures are subject to change without any legal obligation on the part of the manufacture.
- 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.
- The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressures.
- 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.