

PLASTAR Si-110IV SPECIFICATIONS

		In-line screw																											
		CH				D				F																			
Injection system	—																												
Injection unit type	—																												
Injection stroke	in	2.83	3.77	3.77	3.77	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)	0.94(24)	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 ³	1.40	2.62	3.60	2.62	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	1.97	1.44	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	—																										
		Injection rate	—				D75BU				F75BU				—														
		Injection rate	in ³ /s				5.73				8.30				11.29														
		Max. injection speed	in/s				11.81				5.90				—														
		Max. injection pressure	psi				39812				34141				26440														
	High speed	Max. injection holding pressure	psi				39812				28427				21320														
		Injection unit	—																										
		Injection rate	—				D150BU				F200HBU				F200BU														
		Injection rate	in ³ /s				—				8.30				11.29				14.70										
		Max. injection speed	in/s				11.81				11.29				14.70				18.61				23.00						
Superhigh speed	Max. injection pressure	psi				—				39812				34112				26295											
	Max. injection holding pressure	psi				—				39812				25584				21320											
	Injection unit	—				CH150BU(CH300BU)				CH450BU				D300BU				—											
	Injection rate	in ³ /s				9.58(13.42)				13.79(19.34)				18.79(26.30)				27.58											
	Max. injection speed	in/s				19.68(27.55)				19.68(27.55)				19.68(27.55)				39.37											
Recovery	Max. injection pressure	psi				34127(36970)				31284(34127)				22756(26454)				42655											
	Max. injection holding pressure	psi				31284(34127)				28441				20624(21335)				32706											
	Recovery rate (PS)	oz/s				0.13				0.24				0.40				0.24											
Screw revolution speed	min ⁻¹	350																											
Nozzle pressing force	U.Ston	2.2				2.2				0.40				0.60				0.87				1.10				1.68			

Clamping system	—	Double toggle															
Clamping force	U.Ston	110															
Clamping stroke	in	14.17															
Min. mold height	in	5.90															
Max. mold height	in	20.07															
Tie bar clearance (H×V)	in	18.11 × 16.14															
Die plate size (H×V)	in	24.80 × 22.83															
Ejector force	U.Ston	2.75															
Ejector stroke	in	3.93															

Heater capacity	kW	2.575	3.45	5.50	3.45	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	163.77	163.77	163.77	167.63	163.77	163.77	163.77	166.65	177.16	181.14	184.40	189.05	181.14	184.40	189.05	191.88
Machine dimensions <W×H>	in	43.89 × 64.64 (CH450BU: 43.89 × 65.70)										45.23 × 64.64					
Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz															
Main breaker capacity	A	125 (CH300BU/D300BU: 150, CH450BU: 225)															
Total electric capacity	kVA	CH150BU:20 CH300BU:31 CH450BU:50				D75BU: 13 D150BU: 20 D300BU: 35				F75BU: 14 F200HBU: 27 F200BU: 29							
Cable Size: 230V Class [460V Class ※1]	in ²	CH150BU: 0.03[0.02] CH300BU: 0.05[0.02] , CH450BU: 0.09[0.03]				D75BU/D150BU: 0.03[0.02] D300BU: 0.05[0.02]				0.03[0.02]							
Machine weight	U.Ston	4.1								4.4							

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 specifications are expressed in SI. (1MPa=10.2kgf/cm ² 1kN=0.102tonf)	•When a screw with wide diameter is used, some resins may not be accepted.
•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 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.