

## PLASTAR Si-55IV SPECIFICATIONS

		In-line screw										
		B			CH			D				
Injection system	—											
Injection unit type	—	B			CH			D				
Injection stroke	in	2.51	2.83		2.83	3.77	3.77	2.83	3.77	4.40		
Screw diameter	in(mm)	0.62(16)	0.70(18)	0.78(20)	0.78(20)	0.94(24)	1.10(28)	0.78(20)	0.94(24)	1.10(28)	1.25(32)	
Theoretical injection capacity	in <sup>3</sup>	0.79	1.09	1.40	1.40	2.62	3.60	1.40	2.62	4.21	5.49	
Injection capacity(PS)	oz	0.43	0.60	0.77	0.77	1.44	1.97	0.77	1.44	2.31	3.01	
Standard	Injection unit	—										
	Injection rate	—			—			D75BU				
	Max. injection speed	—			—			5.73	8.30	11.29	—	
	Max. injection pressure	—			—			11.81				
	Max. injection holding pressure	—			—			39812	34141	26440	—	
	Max. injection holding pressure	—			—			39812	28427	21320	—	
High speed	Injection unit	—										
	Injection rate	B75BU			—			D150BU				
	Max. injection speed	3.66	4.63	5.73	—			—	8.30	11.29	14.70	
	Max. injection pressure	11.81			—			11.81				
	Max. injection pressure	36970	36970	34112	—			—	39812	34112	26295	
	Max. injection holding pressure	36970	36970	34112	—			—	39812	25584	21320	
Super-high speed	Injection unit	—										
	Injection rate	B110BU(BH150BU)			CH150BU(CH300BU)			D300BU				
	Max. injection speed	6.16	7.75	9.58	9.58(13.42)	13.79(19.34)	18.79(26.30)	—	13.79	18.79	24.53	
	Max. injection pressure	19.68			19.68(27.55)			19.68				
	Max. injection pressure	36970(36970)	36970(36970)	34112(34127)	34127(36970)	31284(34127)	22756(26454)	—	39812	34112	26295	
	Max. injection holding pressure	36970(36970)	36970(31284)	34112(28441)	31284(34127)	28441(28441)	20624(21335)	—	39812	25584	21320	
Recovery rate(PS)	oz/s	0.10	0.14	0.17	0.13	0.24	0.40	0.13	0.24	0.40	0.60	
Screw revolution speed	min <sup>-1</sup>	—			350			350				
Nozzle pressing force	U.Ston	1.1			2.2			2.2				

		Double toggle									
Clamping system	—										
Clamping force	U.Ston	55									
Clamping stroke	in	10.62									
Min. mold height	in	5.90									
Max. mold height	in	14.96									
Tie bar clearance (H×V)	in	14.17×12.79									
Die plate size (H×V)	in	19.68×18.11									
Ejector force	U.Ston	2.15									
Ejector stroke	in	2.75									

Heater capacity	kW	2.05	2.275	2.575	2.575	3.45	5.50	2.57	3.45	5.50	5.85
Mold height motor output	kW	0.1									
Nozzle touch motor output	kW	0.1			0.2			0.2			
Machine dimension <L>	in	134.92			134.92	137.55	141.33	134.92	137.55	141.33	145.35
Machine dimensions <W×H>	in	39.40×61.81									
Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz									
Main breaker capacity	A	75(CH300BU/D300BU: 150)									
Total electric capacity	kVA	B75BU: 10 B110BU: 14 BH150BU: 19			CH150BU:20 CH300BU:31 —			D75BU: 13 D150BU: 20 D300BU: 35			
Cable size	in <sup>2</sup>	0.02[0.01]			CH150BU:0.02[0.01] CH300BU:0.05[0.02]			D150BU:0.02[0.01] D300BU:0.05[0.02]			
Machine weight	U.Ston	2.2			2.4			2.4			

### 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.