

PLASTAR Si-300IV SPECIFICATIONS

		In-line screw						
Injection system	—							
Injection unit type	—	H			I			
Injection stroke	in	7.87	8.66		8.66	10.62		
Screw diameter	in(mm)	1.96(50)	2.16(55)	2.36(60)	2.16(55)	2.36(60)	2.67(68)	
Theoretical injection capacity	in ³	23.98	31.85	37.95	31.85	46.56	59.8	
Injection capacity(PS)	oz	13.16	17.49	20.84	17.49	25.56	32.83	
Injection	Standard	Injection unit	-					
		Injection rate	-			-		
		Max. injection speed	-			-		
		Max. injection pressure	-			-		
		Max. injection holding pressure	-			-		
	High speed	Injection unit	H370BU			I450BU		
		Injection rate	23.98	28.98	34.47	28.98	34.47	44.30
		Max. injection speed	7.87	7.87	7.87	7.87	7.87	7.87
		Max. injection pressure	34083	28427	24163	34112	28427	21915
		Max. injection holding pressure	31270	25584	21320	29848	25584	19899
	Superhigh speed	Injection unit	-			I600BU		
		Injection rate	-			43.50	51.74	66.51
		Max. injection speed	-			11.81	11.81	11.81
		Max. injection pressure	-			32691	27006	21320
		Max. injection holding pressure	-			28427	24163	18477
Recovery rate (PS)	oz/s	1.95	2.22	2.37	2.22	2.37	3.29	
Screw revolution speed	min ⁻¹	300			300			
Nozzle pressing force	U.S.ton	3.3			4.3			

		Double toggle					
Clamping system	—						
Clamping force	U.S.ton	300					
Clamping stroke	in	23.62					
Min. mold height	in	11.81					
Max. mold height	in	29.52					
Tie bar clearance (H×V)	in	28.74×28.74					
Die plate size (H×V)	in	37.00×37.00					
Ejector force	U.S.ton	6.73					
Ejector stroke	in	5.90					

Others	Heater capacity	kW	13.50	16.70	19.50	16.70	19.50	24.80
	Mold height motor output	kW	0.4					
	Nozzle touch motor output	kW	0.4					
	Machine dimension <L>	in	265.03			269.05(276.53)※2	274.72(282.20)※2	284.80(292.28)※2
	Machine dimensions <W×H>	in	62.24×87.48					
	Power source	-	Three-phase AC230V±10% 60Hz					
	Main breaker capacity	A	300 (I600BU : 400)					
	Total electric capacity	kVA	52			I450B : 63 I600B : 89		
	Cable size 230V Class【460V Class ※1】	in ²	0.15【0.05】			I450B : 0.15【0.05】 I600B : 0.23【0.09】		
	Machine weight	U.S.ton	18.7			19.2		

NOTES

- The figures are subject to change without any legal obligation on the part of the manufacture.
- The specifications are expressed in SI.
(1MPa=10.2kgf/cm² 1kN=0.102tonf)
- 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.
※2.Figures in () indicate the dimensions when the I600BU is mounted.