

PLASTAR Si-400IV SPECIFICATIONS

		In-line screw							
		I			J				
Injection system	—	In-line screw							
Injection unit type	—	I			J				
Injection stroke	in	8.66	10.62		10.62	12.04			
Screw diameter	in(mm)	2.16(55)	2.36(60)	2.67(68)	2.36(60)	2.67(68)	2.95(75)		
Theoretical injection capacity	in ³	31.85	46.56	59.80	46.56	67.79	82.44		
Injection capacity(PS)	oz	17.49	25.56	32.83	25.56	37.22	45.26		
Injection	Standard	Injection unit	-						
		Injection rate	in ³ /s			-			
		Max. injection speed	in/s			-			
		Max. injection pressure	psi			-			
		Max. injection holding pressure	psi			-			
	High speed	Injection unit	I450BU			J450BU			
		Injection rate	in ³ /s	28.98	34.47	44.30	31.06	39.90	48.51
		Max. injection speed	in/s	7.87	7.87	7.87	7.08	7.08	7.08
		Max. injection pressure	psi	34112	28427	22031	31270	24163	19899
		Max. injection holding pressure	psi	29848	25584	19899	28427	21320	17056
	Superhigh speed	Injection unit	I600BU			J750BU			
		Injection rate	in ³ /s	43.50	51.74	66.51	51.74	66.51	80.85
		Max. injection speed	in/s	11.81	11.81	11.81	11.81	11.81	11.81
		Max. injection pressure	psi	32691	27006	21320	31270	24163	19899
		Max. injection holding pressure	psi	28427	24163	18477	28427	21320	17056
Recovery rate (PS)	oz/s	2.22	2.37	3.29	2.05	2.86	3.78		
Screw revolution speed	min ⁻¹	300			260				
Nozzle pressing force	U.S.ton	4.3			4.3				

Clamping	Clamping system	—	Double toggle				
	Clamping force	U.S.ton	400				
	Clamping stroke	in	27.55				
	Min. mold height	in	11.81				
	Max. mold height	in	30.31				
	Tie bar clearance (H×V)	in	31.88×31.88				
	Die plate size (H×V)	in	41.33×41.33				
	Ejector force	U.S.ton	6.70				
	Ejector stroke	in	5.90				

Others	Heater capacity	kW	16.70	19.50	24.80	19.50	24.80	31.20
	Mold height motor output	kW	0.75					
	Nozzle touch motor output	kW	0.4					
	Machine dimension <L>	in	288.97 (292.79)※2	290.98 (298.46)※2	301.06 (308.54)※2	296.1 (303.97)※3	302.71 (310.59)※3	315.07 (322.95)※3
	Machine dimensions <W×H>	in	65.55×80.43					
	Power source	-	Three-phase AC230V±10% 60Hz					
	Main breaker capacity	A	300 (I600BU, J750BU: 400)					
	Total electric capacity	kVA	I450BU: 63			J450BU: 68		
			I600BU: 89			J750BU: 109		
	Cable size 230V Class【460V Class ※1】	in ²	I450BU: 0.15【0.05】			J450BU: 0.15【0.05】		
I600BU: 0.23【0.09】			J750BU: 0.23【0.09】					
Machine weight	U.S.ton	20.9			22.0			

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. These 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.
- ※3.Figures in () indicate the dimensions when the J750BU is mounted.