

PLASTAR Si-500IV SPECIFICATIONS

		In-line screw										
		I			J			K				
Injection system	—											
Injection unit type	—											
Injection stroke	in	8.66	10.62		10.62	12.04		12.04	14.76			
Screw diameter	in(mm)	2.16(55)	2.36(60)	2.67(68)	2.36(60)	2.67(68)	2.95(75)	2.67(68)	2.95(75)	3.26(83)		
Theoretical injection capacity	in ³	31.85	46.56	59.80	46.56	67.79	82.44	67.79	101.05	123.75		
Injection capacity(PS)	oz	17.49	25.56	32.83	25.56	37.22	45.26	37.22	55.48	67.94		
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			K600BU			
		Injection rate	in ³ /s	28.98	34.47	44.30	31.06	39.90	48.51	39.84	48.51	59.37
		Max. injection speed	in/s	7.87	7.87	7.87	7.08	7.08	7.08	7.08	7.08	7.08
		Max. injection pressure	psi	34112	28427	22031	31270	24163	19899	31270	25584	21320
		Max. injection holding pressure	psi	29848	25584	19899	28427	21320	17056	28427	22741	18477
	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	-	-	-
	oz/s	2.22	2.37	3.29	2.05	2.86	3.78	2.20	2.90	3.88		
Screw revolution speed	min ⁻¹	300			260			200				
Nozzle pressing force	U.S.ton	4.3			4.3			4.3				

		Double toggle								
Clamping system	—									
Clamping force	U.S.ton	500								
Clamping stroke	in	31.49								
Min. mold height	in	13.77								
Max. mold height	in	35.43								
Tie bar clearance (H×V)	in	36.02×36.02								
Die plate size (H×V)	in	48.03×48.03								
Ejector force	U.S.ton	11.0								
Ejector stroke	in	7.08								

Heater capacity	kW	16.70	19.50	24.80	19.50	24.80	31.20	24.80	31.20	38.80
Mold height motor output	kW	0.75								
Nozzle touch motor output	kW	0.4								
Machine dimension <L>	in	307.28	307.28 (312.04)※2	306.77 (322.12)※2	309.68 (317.55)※3	316.29 (324.17)※3	328.66 (336.53)※3	315.59	324.68	331.53
Machine dimensions <W×H>	in	70.78×83.97						70.78×90.07		
Power source	-	Three-phase AC230V±10% 60Hz								
Main breaker capacity	A	400								
Total electric capacity	kVA	I450BU : 63			J450BU : 68			K600BU : 98		
		I600BU : 89			J750BU : 109					
Cable size 230V Class【460V Class ※1】	in ²	0.23【0.09】								
Machine weight	U.S.ton	24.75			24.75			25.85		

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.