

PLASTAR Si-1450-6 N1100CDU MAIN SPECIFICATIONS

Injection	Injection system	—	In-line screw	
	Injection unit		N1100CDU	
	Screw diameter	in (mm)	4.33(110)	4.72(120)
	Injection stroke	in	19.68	21.65
	Theoretical injection capacity	in <sup>3</sup>	290.00	379.52
	Injection capacity ( PS )	oz	159.22	208.44
	Injection rate	in <sup>3</sup> /s	86.95	103.49
	Max. injection speed	in/s	5.90	
	Max. injection pressure	psi	24880	20740
	Max. injection holding pressure	psi	22450	18750
	Recovery rate ( PS )	oz/s	6.01	7.64
	Screw revolution speed	min <sup>-1</sup>	130	
	Heater capacity	kW	61.40	72.10
Nozzle pressing force	U.S ton	6.6		

Clamping	Clamping system	—	Double toggle	
	Clamping force	U.S ton	1437	
	Clamping stroke	in	59.06	
	Min. mold height	in	19.68	
	Max. mold height	in	51.18	
	Tie bar clearance ( H×V )	in	55.12 × 55.12	
	Die plate size ( H×V )	in	78.74 × 78.74	
	Ejector force	U.S ton	33.67	
	Ejector stroke	in	17.72	

Other	Mold height motor output	kW	2.2	
	Nozzle touch motor output	kW	5.5 (Serbo Motor)	
	Machine dimensions <L>	in	524.84	536.73
	Machine dimensions <W×H>	in	115.2 × 111.14	
	Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz	
	Main breaker capacity	A	600	
	Total electric capacity	kVA	187	
	Cable size 200V Class 【400V Class※1】	in <sup>2</sup>	0.49【0.225】	
	Machine weight	U.S ton	94.6 (Injection unit 17.6)	

[Note]

- 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.
- Figures in 【 】 are optional.

※1. A transformer(option) is necessary on the machine side.