

Customers' Value Up

TOYO'S High Performance Model Pursuing Multi-Functionality, Inheriting The Features Of The Si Series, And Equipped The Latest IoT And Control Technology.

SI-7
series

TOYO
MACHINERY & METAL

USA Version

PLASTAR Si-1430-7 Specifications

Injection	Screw diameter	in (mm)	4.33 (110)	4.72 (120)
	Injection stroke	in	19.68	21.65
	Theoretical injection capacity	in ³	289.96	379.58
	Injection capacity (PS)	oz	159.48	208.77
	Injection unit	—	N1100FA	
	Max. injection speed	in/s	150	
	Injection rate	in ³ /s	86.99	103.52
	Max. injection pressure	psi	25670	21470
	Max. injection holding pressure	psi	22480	18850
	Recovery rate (PS)	oz/s	6.02	7.64
	Screw revolution speed	min ⁻¹	130	
	Heater capacity	kW	61.4	72.1
	Nozzle pressing force	U.S ton	6.61	
Clamping	Clamping system	—	Double toggle	
	Clamping force	U.S ton	1430	
	Clamping stroke	in	59.05	
	Min. mold height	in	19.68	
	Max. mold height	in	51.18	
	Tie bar clearance (H × V)	in	55.11 x 55.11	
	Die plate size (H × V)	in	78.74 x 78.74	
	Ejector force	U.S ton	33.74	
	Ejector stroke	in	17.71	
Others	Machine dimensions(L)	in	524.85	536.74
	Machine dimensions (W × H)	in	116.34 × 111.15	
	Power source	—	3-phase AC200V±10% 50Hz / AC200V±10% 60Hz / AC230V±10% 60Hz	
	Main breaker capacity	A	600 【350】	
	Total electric capacity	kVA	179	
	Incoming supply wire size	in ²	0.388 × 2 【0.388】	
	Protective earthing wire size	in ²	0.233 × 2 【0.233】	
	Machine weight	U.S ton	94.8 [Injection unit:17.6 / Clamping unit:77.2]	
	Noise (L _{pA})	dB	72.8 dB	

Note

- The information in this document is subject to change without any legal obligation on the part of the manufacture.
- Maximum injection and holding pressures are attainable maximum set values.
- Maximum injection and holding pressures may be limited by the molding conditions and the cycle time.
- The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressures.
- When the machine is attached with an option, the capacity of the breaker may be changed.
- Figures in 【 】 are 400V class (a transformer (Option) is necessary for the machine) values.
- Noise values determined according to the noise test code given in JIS B 6711:2021 (ISO 20430:2020). Values will be changed by the operating condition.
- Incoming supply wire size is calculated on the condition that three insulated wires with a rated temperature of 140°F and ambient temperature is 86°F and metallic conduit work is made.
- Protective earthing wire size is selected based on the incoming supply wire size.
- The total electric capacity is calculated based on the maximum performance of the drive unit. The operating conditions of the injection unit may reduce the total electric capacity.