

Customers' Value Up

Si-7 series

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

TOYO
MACHINERY & METAL

USA Version

PLASTAR Si-1430-7 Specifications

| | | | |
|---------------------------------|--------------------|---|------------|
| 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 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 | |
| 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 manufacturer.
- 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.