

## PLASTAR Si-610IV SPECIFICATIONS

|           |                                |                                 |                    |          |          |          |          |           |       |
|-----------|--------------------------------|---------------------------------|--------------------|----------|----------|----------|----------|-----------|-------|
| Injection | Injection system               | —                               | in-line screw      |          |          |          |          |           |       |
|           | Injection unit type            | —                               | K                  |          |          | L        |          |           |       |
|           | Injection stroke               | in                              | 12.04              | 14.76    |          | 16.53    | 17.71    |           |       |
|           | Screw diameter                 | in(mm)                          | 2.67(68)           | 2.95(75) | 3.26(83) | 3.26(83) | 3.54(90) | 3.93(100) |       |
|           | Theoretical injection capacity | in <sup>3</sup>                 | 67.79              | 101.05   | 123.75   | 138.64   | 174.71   | 215.65    |       |
|           | Injection capacity (PS)        | oz                              | 37.22              | 55.48    | 67.94    | 76.08    | 95.6     | 118.4     |       |
|           | Standard                       | Injection unit                  | -                  | K600BU   |          |          | L750BU   |           |       |
|           |                                | Injection rate                  | in <sup>3</sup> /s | 39.84    | 48.51    | 59.37    | 56.14    | 65.96     | 81.46 |
|           |                                | Max. injection speed            | in/s               | 7.08     |          |          | 6.69     |           |       |
|           |                                | Max. injection pressure         | psi                | 31270    | 25584    | 21320    | 31270    | 27006     | 22031 |
|           |                                | Max. injection holding pressure | psi                | 28427    | 22741    | 18477    | 28427    | 24163     | 19899 |
|           | Recovery rate (PS)             | oz/s                            | 2.20               | 2.90     | 3.88     | 3.30     | 4.40     | 5.99      |       |
|           | Screw revolution speed         | min <sup>-1</sup>               | 200                |          |          | 170      |          |           |       |
|           | Nozzle pressing force          | U.S.ton                         | 4.4                |          |          | 4.4      |          |           |       |

|          |                         |         |               |  |  |  |  |
|----------|-------------------------|---------|---------------|--|--|--|--|
| Clamping | Clamping system         | —       | Double toggle |  |  |  |  |
|          | Clamping force          | U.S.ton | 610           |  |  |  |  |
|          | Clamping stroke         | in      | 35.43         |  |  |  |  |
|          | Min. mold height        | in      | 15.74         |  |  |  |  |
|          | Max. mold height        | in      | 35.43         |  |  |  |  |
|          | Tie bar clearance (H×V) | in      | 38.18×38.18   |  |  |  |  |
|          | Die plate size (H×V)    | in      | 51.96×51.96   |  |  |  |  |
|          | Ejector force           | U.S.ton | 13.20         |  |  |  |  |
|          | Ejector stroke          | in      | 7.08          |  |  |  |  |

|        |                                         |                 |                                            |       |       |             |        |        |
|--------|-----------------------------------------|-----------------|--------------------------------------------|-------|-------|-------------|--------|--------|
| Others | Heater capacity                         | kW              | 24.80                                      | 31.20 | 38.80 | 38.80       | 49.40  | 53.40  |
|        | Mold height motor output                | kW              | 1.5                                        |       |       |             |        |        |
|        | Nozzle touch motor output               | kW              | 0.4                                        |       |       | 2.9         |        |        |
|        | Machine dimensions (L)                  | in              | 369.29                                     |       |       | 374.84      | 385.70 | 394.64 |
|        | Machine dimensions (W×H)                | in              | 82.24×96.25                                |       |       |             |        |        |
|        | Power source                            | -               | Three-phase AC200V/200, 220V±10% 50Hz/60Hz |       |       |             |        |        |
|        | Main breaker capacity                   | A               | 400                                        |       |       | 500         |        |        |
|        | Total electric capacity                 | kVA             | 98                                         |       |       | 125         |        |        |
|        | Calbe size<br>230V Class【460V Class ※1】 | in <sup>2</sup> | 0.233【0.093】                               |       |       | 0.31【0.155】 |        |        |
|        | Machine weight                          | U.S.ton         | 33.8                                       |       |       | 37.1        |        |        |

### 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. 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 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.