



| Parameter Classification | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit            | MA1600/570GII |               |      |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|---------------|------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 | A             | B             | C    |
| INJECTION UNIT           | Screw Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | mm              | 40            | 45            | 50   |
|                          | Screw L/D Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | L/D             | 22.5          | 20            | 18   |
|                          | Theoretical Injection Volume                                                                                                                                                                                                                                                                                                                                                                                                                                                                | cm <sup>3</sup> | 252           | 319           | 394  |
|                          | Injection Weight PS                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | g               | 229           | 290           | 359  |
|                          | Injection Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | g/s             | 112           | 141           | 175  |
|                          | Injection Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MPa             | 226           | 178           | 145  |
|                          | Plasticizing Capacity GPPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | g/s             | 13.8          | 17.7          | 21.1 |
|                          | Plasticizing Capacity HDPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | g/s             |               | -             |      |
|                          | Screw Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | rpm             |               | 0-205         |      |
| CLAMPING UNIT            | Clamping Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | kN              |               | 1600          |      |
|                          | Mold Opening Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm              |               | 420           |      |
|                          | Tie Bar Spacing HxV                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm              |               | 470×470       |      |
|                          | Max. Mold Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm              |               | 500           |      |
|                          | Min. Mold Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm              |               | 180           |      |
|                          | Ejector Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | mm              |               | 140           |      |
|                          | Ejector Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | kN              |               | 33            |      |
| OTHERS                   | Pump Motor Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | kW              |               | 18.5          |      |
|                          | Heating Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | kW              |               | 11.75         |      |
|                          | Machine Dimensions (L×W×H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | m               |               | 4.91×1.31×2.0 |      |
|                          | Machine Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | t               |               | 4.9           |      |
|                          | Hopper Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | kg              |               | 50            |      |
|                          | Oil Tank Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | l               |               | 185           |      |
| Description              | <b>Suitable Products:</b><br>- Daily household plastics: medium-large storage boxes, kitchen & bathroom accessories, home appliance medium-size parts<br>- Electronic components: medium-size appliance casings, switch panels, sockets and precision electronic plastic parts<br>- Auto plastic parts: automotive interior trims, door-panel parts, brackets and decorative covers<br>- Packaging: medium-size containers, lids, cosmetic housings and general industrial plastic fittings |                 |               |               |      |