



| Parameter Classification | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit | MA1600Ⅲ/570 |      |      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------|------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | A           | B    | C    |
| INJECTION UNIT           | Screw diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm   | 40          | 45   | 50   |
|                          | Screw L/D ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L/D  | 22.5        | 20   | 18   |
|                          | Injection volume (theoretical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cm³  | 253         | 320  | 395  |
|                          | Injection weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | g    | 230         | 291  | 359  |
|                          | Injection rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | g/s  | 111         | 141  | 174  |
|                          | Injection rate (ESG))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | g/s  | 150         | 190  | 235  |
|                          | Injection pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MPa  | 225         | 178  | 144  |
|                          | Plasticizing rate (GPPS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | g/s  | 17          | 22.6 | 28.4 |
|                          | Plasticizing rate (HDPE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | g/s  | --          | --   | --   |
|                          | Screw speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | rpm  | 0-215       |      |      |
| CLAMPING UNIT            | Clamping force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | kN   | 1600        |      |      |
|                          | Mold opening stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mm   | 430         |      |      |
|                          | Dist. between tie bars (H×V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | mm   | 470×470     |      |      |
|                          | Mold height max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm   | 520         |      |      |
|                          | Mold height min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm   | 180         |      |      |
|                          | Ejector stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm   | 140         |      |      |
|                          | Ejector tonnage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | kN   | 33          |      |      |
| OTHERS                   | Pump motor power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | kW   | 18.5        |      |      |
|                          | Heater power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | kW   | 11.75       |      |      |
|                          | Machine dimension (L×W×H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | m    | 5.4×1.4×2.0 |      |      |
|                          | Machine weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | t    | 5.65        |      |      |
|                          | Hopper capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | kg   | 25          |      |      |
| Oil tank                 | l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 185  |             |      |      |
| Description              | <b>Suitable for producing:</b><br>- Household plastic goods: large storage boxes, thick-wall containers, large-size kitchen & bathroom accessories, big cosmetic product housings<br>- Electronic & electrical parts: medium-large home appliance shells, instrument enclosures, large switch and connector components<br>- Automotive plastic components: medium-size interior trims, brackets, plastic covers and fasteners<br>- Packaging articles: large-capacity packaging fittings, container accessories<br>- General industrial plastic parts: medium-large structural fittings, thick-wall plastic casings and other heavy-duty plastic items |      |             |      |      |