



| Parameter Classification | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | MA3800Ⅲ/2250 |      |      |      |
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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | A            | B    | C    | D    |
| INJECTION UNIT           | Screw diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | mm   | 65           | 70   | 75   | 80   |
|                          | Screw L/D ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | L/D  | 21.5         | 20   | 18.7 | 17.5 |
|                          | Injection volume (theoretical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | cm³  | 1068         | 1239 | 1423 | 1619 |
|                          | Injection weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | g    | 972          | 1128 | 1295 | 1473 |
|                          | Injection rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | g/s  | 291          | 337  | 387  | 441  |
|                          | Injection rate (ESG))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | g/s  | 346          | 402  | 461  | 525  |
|                          | Injection pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MPa  | 212          | 183  | 159  | 140  |
|                          | Plasticizing rate (GPPS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | g/s  | 49.3         | 56.6 | 64   | 71   |
|                          | Plasticizing rate (HDPE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | g/s  | 70.5         | 84   | 94   | 106  |
| CLAMPING UNIT            | Screw speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | rpm  | 0-185        |      |      |      |
|                          | Clamping force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | kN   | 3800         |      |      |      |
|                          | Mold opening stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | mm   | 700          |      |      |      |
|                          | Dist. between tie bars (H×V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | mm   | 730×730      |      |      |      |
|                          | Mold height max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | mm   | 730          |      |      |      |
|                          | Mold height min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | mm   | 280          |      |      |      |
|                          | Ejector stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | mm   | 180          |      |      |      |
|                          | Ejector tonnage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | kN   | 110          |      |      |      |
| OTHERS                   | Pump motor power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | kW   | 45           |      |      |      |
|                          | Heater power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | kW   | 33           |      |      |      |
|                          | Machine dimension (L×W×H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m    | 7.5×1.8×2.3  |      |      |      |
|                          | Machine weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | t    | 14.7         |      |      |      |
|                          | Hopper capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | kg   | 50           |      |      |      |
|                          | Oil tank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | l    | 540          |      |      |      |
| Description              | <b>Suitable Products:</b><br>- Household plastic goods: extra-large storage boxes, thick-wall plastic containers, large washing machine and refrigerator plastic parts, oversized bathroom and kitchen plastic housings<br>- Electronic & electrical parts: large home appliance shells, industrial equipment enclosures, thick-wall electrical protective covers and large electrical module components<br>- Automotive plastic components: large automotive interior trims, car door plastic panels, vehicle thick-wall brackets and automotive exterior plastic covers<br>- Packaging articles: large plastic barrels, bulk packaging containers, thick-wall packaging shells and large-capacity industrial packaging fittings<br>- General industrial plastic parts: heavy-duty industrial plastic casings, large mechanical plastic structural parts, thick-wall engineering plastic components and oversized molded plastic items |      |              |      |      |      |