



| Parameter Classification | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit                | EM180-SVP-3 |             |      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------|------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     | A           | B           | C    |
| INJECTION UNIT           | Swept Volume                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cm <sup>3</sup>     | 382         | 488         | 650  |
|                          | Shot Weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | g                   | 351         | 449.0       | 598  |
|                          | Shot Weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | oz                  | 12.4        | 15.8        | 21.1 |
|                          | Screw Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm                  | 46          | 52          | 60   |
|                          | Injection Pressure (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                            | MPa                 | 208         | 163         | 123  |
|                          | Injection Pressure (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                            | kgf/cm <sup>2</sup> | 2122        | 1663        | 1255 |
|                          | Screw L/D Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                      | L/D                 | 22.2        | 19.8        | 17.2 |
|                          | Screw Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm                  |             | 230         |      |
|                          | Screw Rotation Speed (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                          | rpm(max)            |             | 185         |      |
|                          | Plasticizing Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                    | kg/h                | 86          | 154         | 157  |
|                          | Injection Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cm <sup>3</sup> /s  | 158         | 202         | 269  |
|                          | Injection Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                       | liter               |             | 55          |      |
|                          | Nozzle Force                                                                                                                                                                                                                                                                                                                                                                                                                                                         | t                   |             | 6.1         |      |
|                          | Nozzle Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                        | mm                  |             | 280         |      |
| CLAMPING UNIT            | Clamping Force (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                | ton                 |             | 180         |      |
|                          | Opening Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm                  |             | 460         |      |
|                          | Space Between Tie Bar (H*V)                                                                                                                                                                                                                                                                                                                                                                                                                                          | mm×mm               |             | 505x500     |      |
|                          | Mould Dimensions (H*V)                                                                                                                                                                                                                                                                                                                                                                                                                                               | mm×mm               |             | 745x715     |      |
|                          | Maximum Daylight                                                                                                                                                                                                                                                                                                                                                                                                                                                     | mm                  |             | 960         |      |
|                          | Mould Thickness (Min.-Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                          | mm                  |             | 180-500     |      |
|                          | Ejector Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm                  |             | 130         |      |
|                          | Ejector Force (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ton                 |             | 4.9         |      |
|                          | Mould Register Hole(H7)                                                                                                                                                                                                                                                                                                                                                                                                                                              | mm                  |             | 100         |      |
|                          | System Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MPa                 |             | 17.5        |      |
| OTHERS                   | System Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | kgf/cm <sup>2</sup> |             | 178         |      |
|                          | Servomotor Power                                                                                                                                                                                                                                                                                                                                                                                                                                                     | kW                  |             | 27          |      |
|                          | Electrical Heating Power                                                                                                                                                                                                                                                                                                                                                                                                                                             | kW                  |             | 10          |      |
|                          | Temperature Control Zone                                                                                                                                                                                                                                                                                                                                                                                                                                             | Zones               |             | 4+Nozzle    |      |
|                          | Oil Tank Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                    | liter               |             | 275         |      |
|                          | Machine Dimensions (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                           | m×m×m               |             | 5.6×1.3×2.1 |      |
|                          | Machine Weight (Approx.)                                                                                                                                                                                                                                                                                                                                                                                                                                             | ton                 |             | 5.1         |      |
| Description              | <b>Suitable Products:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |             |             |      |
|                          | - Daily household plastics: kitchen utensil shells, soap dispensers, storage boxes and plastic chair components<br>- Electronic components: monitor bezels, relay housings, wiring covers and small appliance enclosures<br>- Small auto plastic parts: sun visor shells, pillar trims, seat belt guides and interior plastic covers<br>- Packaging & industrial parts: plastic caps, cosmetic cases, filter housings and medium precision engineering plastic parts |                     |             |             |      |