



| Parameter Classification | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit                | EM400-SVP-3 |             |      |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------|------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | A           | B           | C    |
| INJECTION UNIT           | Swept Volume                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | cm <sup>3</sup>     | 1216        | 1524        | 1866 |
|                          | Shot Weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | g                   | 1119        | 1402.0      | 1717 |
|                          | Shot Weight (PS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | oz                  | 39.5        | 49.5        | 60.6 |
|                          | Screw Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | mm                  | 67          | 75          | 83   |
|                          | Injection Pressure (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MPa                 | 217         | 173         | 141  |
|                          | Injection Pressure (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | kgf/cm <sup>2</sup> | 2203        | 1765        | 1438 |
|                          | Screw L/D Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L/D                 | 23.8        | 21          | 19.2 |
|                          | Screw Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | mm                  |             | 345         |      |
|                          | Screw Rotation Speed (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | rpm(max)            |             | 181         |      |
|                          | Plasticizing Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | kg/h                | 233         | 279         | 398  |
|                          | Injection Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | cm <sup>3</sup> /s  | 310         | 389         | 476  |
|                          | Injection Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | liter               |             | 87          |      |
|                          | Nozzle Force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | t                   |             | 10.3        |      |
|                          | Nozzle Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | mm                  |             | 420         |      |
|                          | Clamping Force (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ton                 |             | 400         |      |
|                          | Opening Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | mm                  |             | 670         |      |
| CLAMPING UNIT            | Space Between Tie Bar (H*V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm×mm               |             | 730×730     |      |
|                          | Mould Dimensions (H*V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | mm×mm               |             | 1050×1050   |      |
|                          | Maximum Daylight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mm                  |             | 1420        |      |
|                          | Mould Thickness (Min.-Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mm                  |             | 250-750     |      |
|                          | Ejector Stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | mm                  |             | 215         |      |
|                          | Ejector Force (Max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ton                 |             | 11.1        |      |
|                          | Mould Register Hole(H7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | mm                  |             | 200         |      |
| OTHERS                   | System Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MPa                 |             | 17.5        |      |
|                          | System Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | kgf/cm <sup>2</sup> |             | 178         |      |
|                          | Servomotor Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | kW                  |             | 50          |      |
|                          | Electrical Heating Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | kW                  |             | 21.6        |      |
|                          | Temperature Control Zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Zones               |             | 5+Nozzle    |      |
|                          | Oil Tank Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | liter               |             | 600         |      |
|                          | Machine Dimensions (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | m×m×m               |             | 8.0×1.7×2.3 |      |
| Description              | Machine Weight (Approx.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ton                 |             | 12.8        |      |
|                          | <b>Suitable Products:</b><br>-Daily household plastics: large storage containers, laundry basket shells, kitchen organizer bins and bathroom cabinet components<br>- Electronic components: medium-large appliance housings, inverter casings, control panel enclosures and electrical junction boxes<br>- Small auto plastic parts: door inner panels, seat back shells, fender liners and interior storage compartment parts<br>- Packaging & industrial parts: thick-wall packaging casings, large bucket lids, pump body housings and medium-large engineering plastic fittings |                     |             |             |      |