

**Brand : TOSHIBA**

**Model : IS100EN Series**

**Clamping Force : 100 tons**

**Major Specification;**

| INJECTON UNIT                |    |                      |       |       |       |       |       |       |
|------------------------------|----|----------------------|-------|-------|-------|-------|-------|-------|
| Injection Unit Code          |    | i3                   |       |       | i5    |       |       |       |
| Barrel Code                  |    | Y                    | A     | B     | Y     | A     | B     |       |
| Screw Diameter               |    | mm                   | 32    | 36    | 40    | 36    | 40    | 45    |
| Injection Volume-Calculated  |    | cm <sup>3</sup>      | 130   | 160   | 200   | 200   | 250   | 315   |
| Injection Capacity           | PS | g                    | 115   | 150   | 185   | 185   | 230   | 290   |
|                              | PE | g                    | 95    | 120   | 145   | 145   | 180   | 230   |
| Injection Pressure           |    | kgf/cm <sup>2</sup>  | 2,500 | 2,000 | 1,600 | 2,460 | 2,000 | 1,580 |
| Injection Rate               |    | cm <sup>3</sup> /sec | 107   | 136   | 168   | 109   | 134   | 170   |
| Plasticizing Capacity (PS)   |    | kg/h                 | 55    | 75    | 100   | 75    | 100   | 110   |
| Maximum Screw Rotation Speed |    | rpm                  | 380   | 350   | 320   | 350   | 320   | 285   |

| MOLD CLAMPING UNIT                    |      |       |            |
|---------------------------------------|------|-------|------------|
| Clamping Force                        |      | ton   | 102        |
| Mold Opening Force                    |      | ton   | 6.9        |
| Distance Between Tie-Rods (H x V)     |      | mm    | 410 x 410  |
| Platen Dimensions (H x V)             |      | mm    | 610 x 610  |
| Clamp Stroke                          |      | mm    | 510        |
| Open Daylight (Max.Distance)          |      | mm    | 700        |
| Closed daylight (Min. Mold Thickness) |      | mm    | 190        |
| Mold Closing Speed                    | High | m/min | 7.0 ~ 52.0 |
|                                       | Low  |       | ~ 2.0      |
| Mold Opening Speed                    | High | m/min | 7.0 ~ 50.5 |
|                                       | Low  |       | ~ 3.3      |
| Ejecting Force (Hydraulic Ejection)   |      | ton   | 3.3        |
| Ejector Stroke                        |      | mm    | 80         |

| GENERAL                |  |    |             |     |             |                 |     |             |
|------------------------|--|----|-------------|-----|-------------|-----------------|-----|-------------|
| Hydraulic Oil Quantity |  | ℓ  | 350         |     |             |                 |     |             |
| Pump Motor Out-Put     |  | kW | 18.5        |     |             |                 |     |             |
| Heater Capacity        |  | kW | 6.2         | 6.2 | 7.4         | 8.0             | 8.0 | 10.5        |
| Machine Demension      |  | m  | 4.5x1.1x1.7 |     | 4.6x1.1x1.7 | 4.7 x 1.1 x 1.7 |     | 5.0x1.1x1.7 |
| Machine Weight         |  | tf | 4.4         |     |             | 4.6             |     |             |

\*The figures in this table is based on 60Hz.

\*Specifications are subject to change without notice.

\*Injection Capacity, Plasticizing Capacity, Injection Rate are dependent upon molding conditions and resin used.