

| Specification Item |   | Unit       | DC500R-H/EH       |
|--------------------|---|------------|-------------------|
| Die Closing        | Die locking force                             | kN         | 5000              |
|                    | Platen dimensions (VxH)                       | mm         | 1060 x 1060       |
|                    | Tie-bar spacing (VxH)                         | mm         | 750 x 750         |
|                    | Tie-bar diameter                              | mm         | 150               |
|                    | Die thickness                                 | mm         | 850 ~ 350         |
|                    | Die stroke                                    | mm         | 550               |
| Injection          | Maximum injection force                       | kN         | 490               |
|                    | Intensification ratio                         |            | 1 : 2.54          |
|                    | Plunger stroke                                | mm         | 580               |
|                    | Tip protrusion                                | mm         | 250               |
|                    | Injection port position (From machine center) | mm         | -175              |
|                    | Injection speed                               | m/s        | 0.03 ~ 12.0       |
|                    | Tip diameter                                  | mm         | 70 ~ 90           |
|                    | Sleeve length                                 | mm         | 365               |
| Ejection           | Ejection force                                | kN         | 235               |
|                    | Ejection stroke                               | mm         | 10 ~ 100          |
| Hydraulic          | Number of movable cores                       | Size x No. | 1/2" x each 1     |
|                    | Number of movable core ports                  | No. of Set | 3/4" x 4          |
|                    | Operating pressure                            | Mpa        | 15                |
|                    | Required hydraulic oil volume                 | ℓ          | 700               |
|                    | Hydraulic oil tank capacity                   | ℓ          | 550               |
| Water              | Die cooling water inlet port size             | Rc         | 1 + 1/2"          |
|                    | Die cooling water outlet port size            | Rc         | 3"                |
|                    | Oil cooler water inlet port size              | Rc         | 1"                |
|                    | Oil cooler water outlet port size             | Rc         | 1"                |
|                    | Die cooling adjustment valve (fixed)          | Rc x No.   | 1/4" x 7          |
|                    | Die cooling adjustment valve (moving)         | Rc x No.   | 1/4" x 10         |
|                    | Sprue bush cooling adjustment valve           | Rc x No.   | 1/4" x 2          |
|                    | Required cooling water (oil cooler)           | L/min      | 50                |
|                    | Required cooling water (for die)              | L/min      | 70 ~ 120          |
| Electrical         | For hydraulic pump                            | kW         | 37                |
|                    | For die height adjustment                     | kW         | 2.2               |
|                    | For lubrication pump                          | W          | 40                |
|                    | Electrical capacity                           | KVA        | 60 / 105          |
|                    | Power supply (Customer Specification)         | V          | AC 200 to 220     |
| Air                | Air connection port                           | Rc         | 1/4", 3/8" each 1 |
|                    | Air pressure                                  | Mpa        | 0.4               |
| Size               | Necessary floor space                         | mm         | 6069 x 2295       |
|                    | Machine height                                | mm         | 3600              |
|                    | Machine mass                                  | ton        | 21.5              |

**Note:** Due to continuous improvements, specifications are subject to change without notice.