

| Unit                           | Model              | J85AD  |                    |                          |                       |                |            |            |                |            |            |     |
|--------------------------------|--------------------|--|--------------------|--------------------------|-----------------------|----------------|------------|------------|----------------|------------|------------|-----|
|                                |                    | 30H  |                    |                          | 60H                   |                |            | 110H       |                |            |            |     |
| Item                           |                    |  |                    |                          |                       |                |            |            |                |            |            |     |
| Screw cylinder type            |                    | K  | A                  | B                        | K                     | A              | B          | K          | A              | B          |            |     |
| Screw diameter                 | mm                 | 20   | 22                 | 25                       | 25                    | 28             | 32         | 32         | 35             | 40         |            |     |
| Screw stroke                   | mm                 | 80   |                    |                          | 100                   |                |            | 120        |                |            |            |     |
| Theoretical injection capacity | cm <sup>3</sup>    | 25   | 30                 | 39                       | 49                    | 62             | 80         | 97         | 115            | 151        |            |     |
| Injection capacity (PS)        | g                  | 23   | 28                 | 38                       | 45                    | 56             | 73         | 88         | 105            | 137        |            |     |
| Injection Unit                 | Standard           | Injection pressure(Max.) MPa(kgf/cm <sup>2</sup> ) | 270 {2750}         | 223 {2270}               | 172 {1750}            | 270 {2750}     | 215 {2190} | 165 {1680} | 270 {2750}     | 225 {2290} | 172 {1750} |     |
|                                |                    | Holding pressure(Max.) MPa(kgf/cm <sup>2</sup> )   | 245 {2490}         | 203 {2070}               | 157 {1600}            | 245 {2490}     | 195 {1980} | 150 {1530} | 245 {2490}     | 205 {2090} | 157 {1600} |     |
|                                |                    | Injection speed                                    | 350                |                          |                       | 350            |            |            | 350            |            |            |     |
|                                |                    | Injection rate                                     | cm <sup>3</sup> /s | 110                      | 133                   | 172            | 172        | 216        | 281            | 281        | 337        | 440 |
|                                |                    | Plasticizing rate (PS)                             | kg/h               | 17                       | 21                    | 28             | 34         | 46         | 74             | 74         | 92         | 123 |
|                                |                    | Screw speed  | min <sup>-1</sup>  | 500                      |                       |                | 400        |            |                | 400        |            |     |
|                                |                    | High speed (OP)                                    | High speed (OP)    | Injection pressure(Max.) | 270 {2750}            | 223 {2270}     | 172 {1750} | 270 {2750} | 215 {2190}     | 165 {1680} | —          | —   |
| Holding pressure(Max.)         | 245 {2490}         |  |                    | 203 {2070}               | 157 {1600}            | 245 {2490}     | 195 {1980} | 150 {1530} | —              | —          | —          |     |
| Injection speed                | 550                |  |                    | 500                      |                       |                | —          |            |                |            |            |     |
| Injection rate                 | cm <sup>3</sup> /s |  |                    | 173                      | 209                   | 270            | 245        | 308        | 402            | —          | —          | —   |
| Plasticizing rate (PS)         | kg/hr              |  |                    | 17                       | 21                    | 28             | 34         | 46         | 74             | —          | —          | —   |
| Screw speed                    | min <sup>-1</sup>  |  |                    | 500                      |                       |                | 400        |            |                | —          |            |     |
| Nozzle touch force             | kN (tf)            | 14.8 {1.5}   |                    |                          | 14.8 {1.5}            |                |            | 19.7 {2.0} |                |            |            |     |
| Nozzle stroke from platen      | mm                 | 50   |                    |                          |                       |                |            |            |                |            |            |     |
| Type of nozzle                 |                    | Open nozzle  |                    |                          |                       |                |            |            |                |            |            |     |
| Cylinder temperature control   |                    | Cylinder 3 / Nozzle 2                              |                    |                          | Cylinder 4 / Nozzle 2 |                |            |            |                |            |            |     |
| Heater wattage                 | kW                 | 3.9  |                    |                          | 5.5                   |                |            | 9.2        |                |            |            |     |
| Clamping Unit                  | Clamping Unit      | Mechanism  | Double toggle      |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Clamping force                                     | kN (tf) 834 {85}   |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Daylight opening (Max.)                            | mm 710             |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Opening stroke (Max.)                              | mm 300             |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Mold height  | mm 180~410         |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Distance between tie-bars (H×V)                    | mm 410×360         |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Platen size (H×V)                                  | mm 580×530         |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Ejector point                                      | 5 points           |                          |                       |                |            |            |                |            |            |     |
|                                |                    | Ejector force                                      | kN (tf) 32.4 {3.3} |                          |                       |                |            |            |                |            |            |     |
| Ejector stroke                 | mm 80              |  |                    |                          |                       |                |            |            |                |            |            |     |
| General                        | General            | Machine weight                                     | t 3.9              |                          |                       | t 3.9          |            |            | t 4.0          |            |            |     |
|                                |                    | Machine dimensions (L×W×H) m                       | 4.14×1.12×1.59     |                          |                       | 4.14×1.12×1.59 |            |            | 4.35×1.12×1.62 |            |            |     |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- The plasticizing rate is applicable for GP-PS.
- PC (polycarbonate), HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

Note:

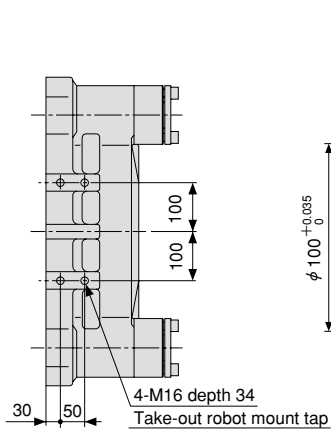
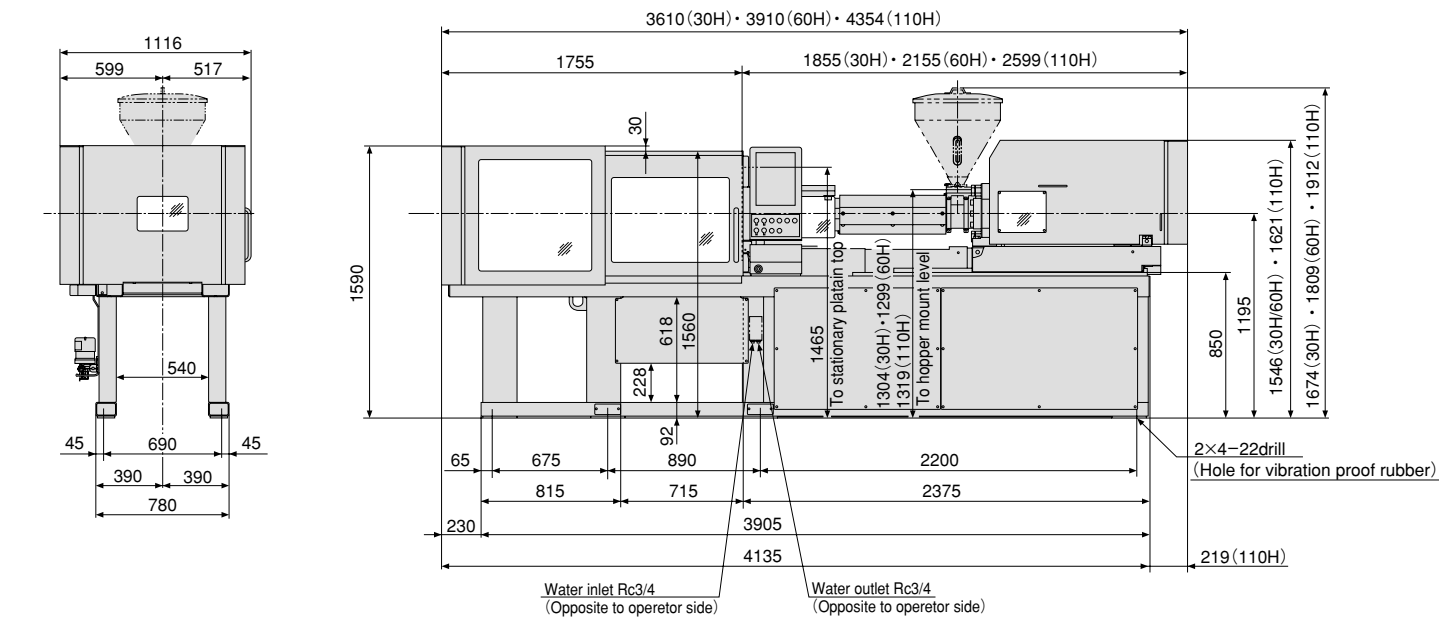
- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- High speed injection is optional.
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf



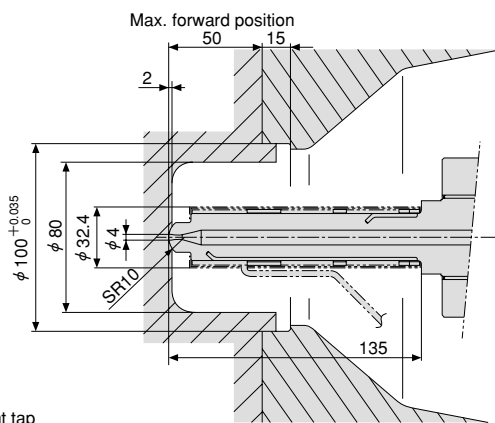
JSW Hiroshima Plant



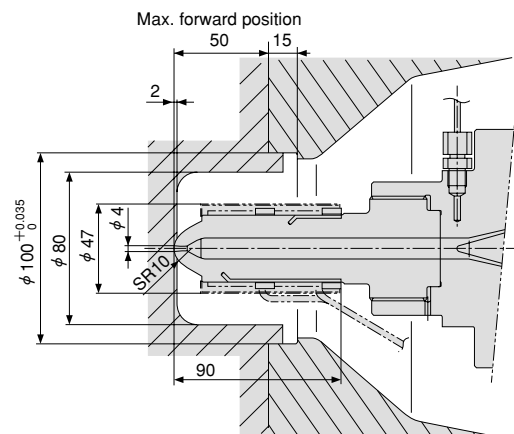
JSW Injection Molding Machinery Division



Upper surface of stationary platen



30H



60H/110H

