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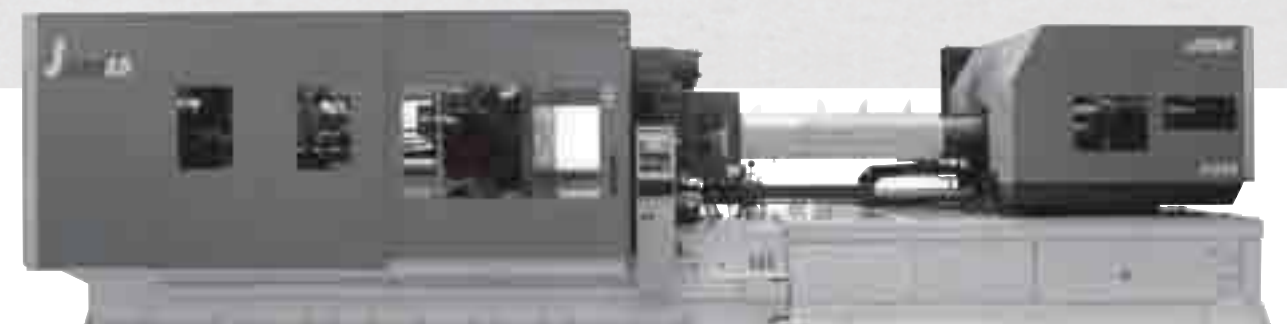
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# JAD SERIES

## Electric Servo Drive Injection Molding Machine



### Specifications

(In U.S. Unit)

| Model | J550AD  | J1000AD |
|-------|---------|---------|
|       | J650AD  | J1300AD |
|       | J850AD  | J1800AD |
|       | J850ADW |         |

# JSW



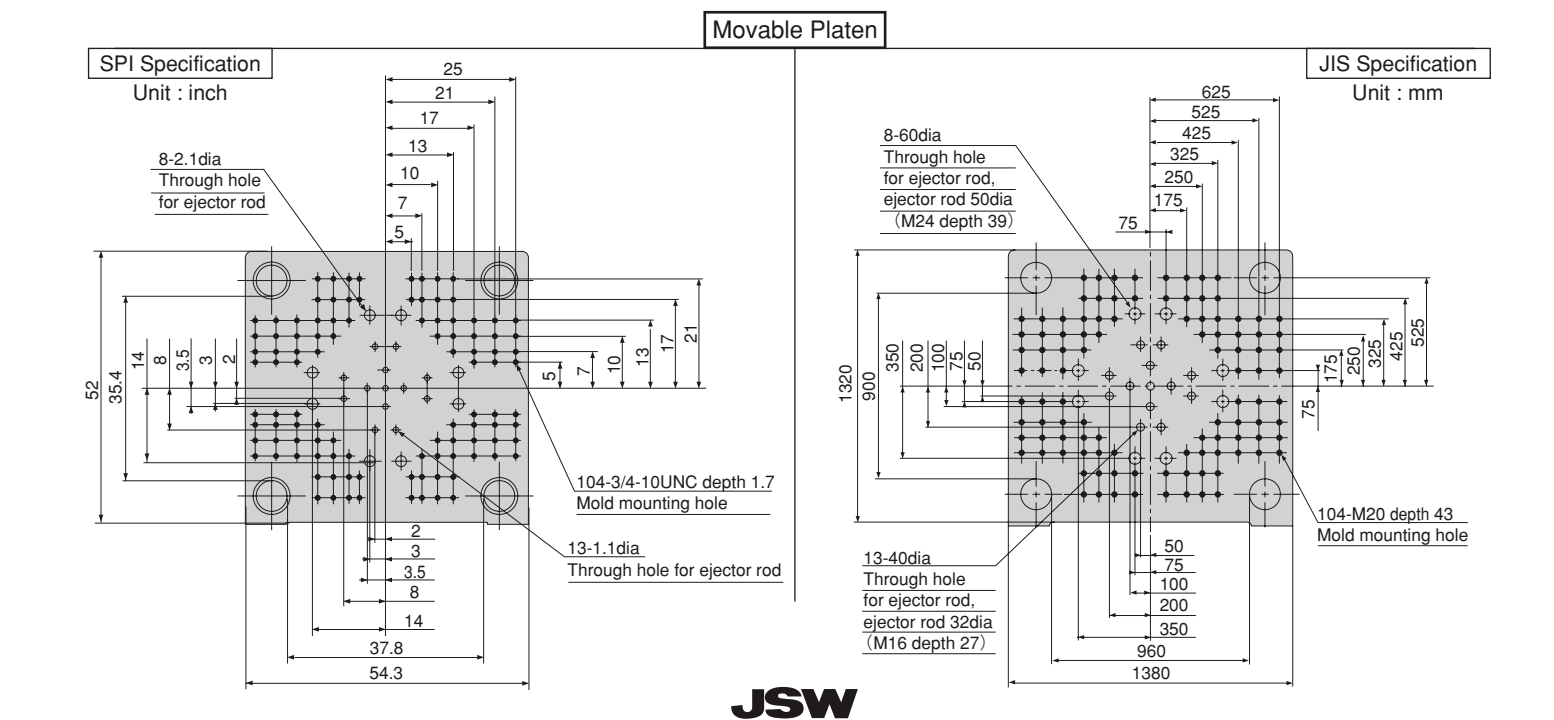
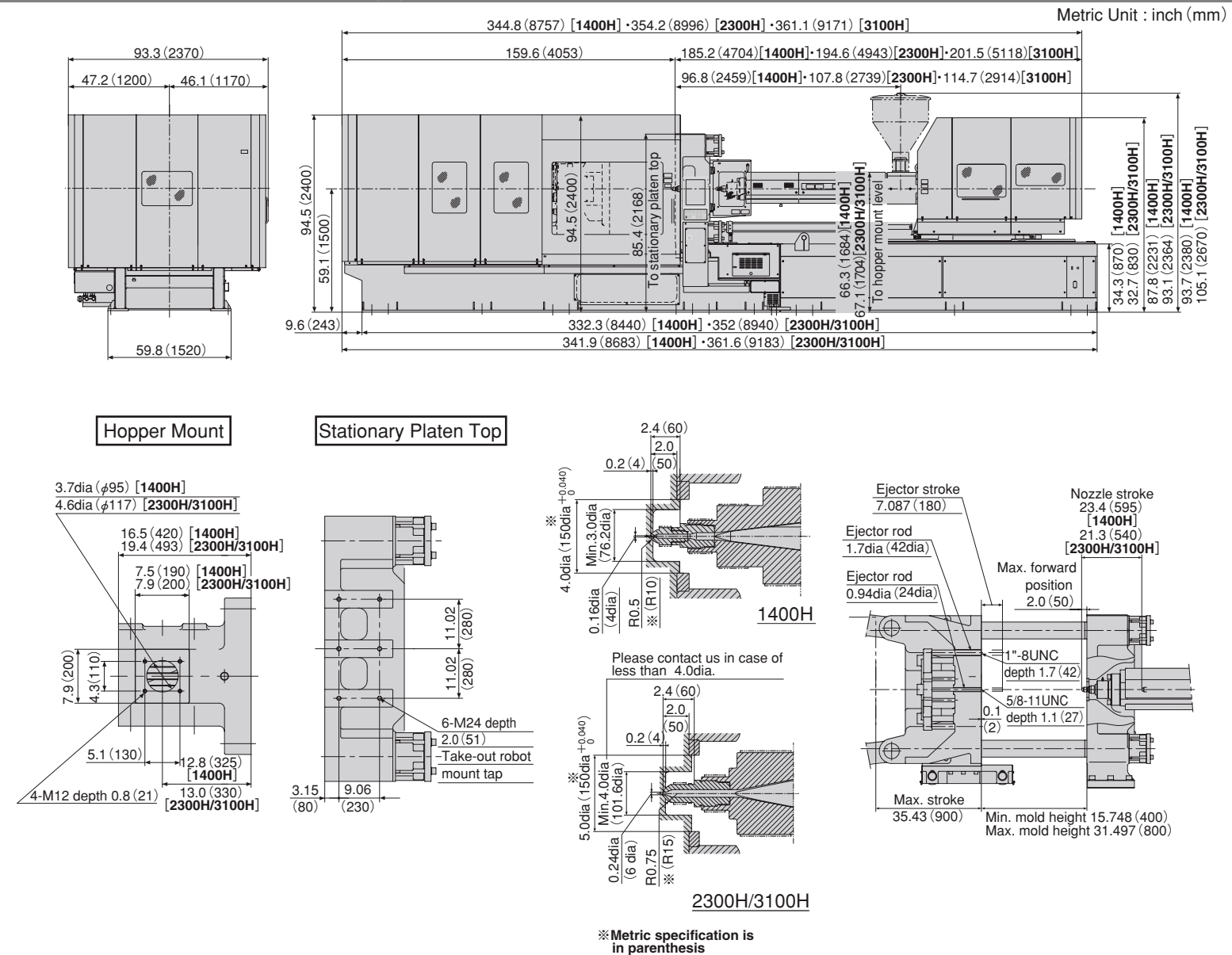
Performance Table

Equipment Dimensions and Mold Related Dimensions

| Unit           | Item                            | Model                                   | J550AD                           |             |                                  |                    |                                  |              |              |
|----------------|---------------------------------|---|----------------------------------|-------------|----------------------------------|--------------------|----------------------------------|--------------|--------------|
|                |                                 |   | 1400H                            |             | 2300H                            |                    | 3100H                            |              |              |
| Injection Unit | Screw barrel type               | K (Option)                              | A                                | B           | A                                | B                  | A                                | B            |              |
|                | Screw diameter                  | in (mm)                                 | 2.60 (66)                        | 2.99 (76)   | 3.31 (84)                        | 3.31 (84)          | 3.62 (92)                        | 3.62 (92)    | 3.94 (100)   |
|                | Screw stroke                    | in (mm)                                 | 11.811 (300)                     |             | 16.536 (420)                     |                    | 18.111 (460)                     |              |              |
|                | Theoretical injection capacity  | in <sup>3</sup> (cm <sup>3</sup> )      | 62.6 (1026)                      | 83.1 (1361) | 101.5 (1663)                     | 142.1 (2328)       | 170.4 (2792)                     | 186.6 (3058) | 220.5 (3613) |
|                | Injection capacity (GP-PS)      | oz(g)                                   | 32.9 (934)                       | 43.7 (1238) | 53.4 (1513)                      | 74.7 (2118)        | 89.6 (2541)                      | 98.2 (2783)  | 116.0 (3288) |
|                | Injection pressure (Max.)       | psi (Mpa)                               | 34900 (241)                      | 26300 (182) | 21600 (149)                      | 27500 (190)        | 22900 (158)                      | 26800 (185)  | 22600 (156)  |
|                | Holding pressure (Max.)         | psi (Mpa)                               | 31300 (216)                      | 23600 (163) | 19400 (134)                      | 24800 (171)        | 20500 (142)                      | 24200 (167)  | 20300 (140)  |
|                | Injection speed                 | in/s (mm/s)                             | 6.30 (160)                       |             | 6.30 (160)                       |                    | 6.30 (160)                       |              |              |
|                | Injection rate                  | in <sup>3</sup> /s (cm <sup>3</sup> /s) | 33.4 (547)                       | 44.3 (726)  | 54.1 (887)                       | 54.1 (887)         | 64.9 (1064)                      | 64.9 (1064)  | 76.7 (1257)  |
|                | Plasticizing rate (GP-PS)       | oz/s (kg/h)                             | 2.32 (237)                       | 3.31 (338)  | 4.10 (418)                       | 4.12 (420)         | 4.61 (470)                       | 4.80 (490)   | 5.29 (540)   |
|                | Screw speed                     | rpm (min <sup>-1</sup> )                | 210                              |             | 200                              | 180                | 180                              | 165          |              |
|                | Nozzle touch force              | USton(kN)                               | 4.4 (40)                         |             | 7.3 (65)                         |                    | 7.3 (65)                         |              |              |
|                | Nozzle stroke from platen       | in (mm)                                 | 2.0 (50)                         |             |                                  |                    |                                  |              |              |
|                | Type of nozzle                  |   | Open nozzle                      |             |                                  |                    |                                  |              |              |
|                | Barrel temperature control      |   | Barrel 4, Nozzle 1               |             |                                  | Barrel 5, Nozzle 1 |                                  |              |              |
| Heater wattage | kW                              | 34.7                                    |                                  | 39.2        |                                  | 44.5               |                                  |              |              |
| Clamping Unit  | Mechanism                       | Double toggle                           |                                  |             |                                  |                    |                                  |              |              |
|                | Clamping force                  | USton (kN)                              | 607 (5400)                       |             |                                  |                    |                                  |              |              |
|                | Daylight opening (Max.)         | in (mm)                                 | 66.930 (1700)                    |             |                                  |                    |                                  |              |              |
|                | Opening stroke (Max.)           | in (mm)                                 | 35.43 (900)                      |             |                                  |                    |                                  |              |              |
|                | Mold height                     | in (mm)                                 | 15.748~31.497 (400~800)          |             |                                  |                    |                                  |              |              |
|                | Platen speed                    | ft/s (m/min)                            | 3.83 (70)                        |             |                                  |                    |                                  |              |              |
|                | Distance between tie-bars (HXV) | in (mm)                                 | 37.8×35.4 (960×900)              |             |                                  |                    |                                  |              |              |
|                | Platen size (HXV)               | in (mm)                                 | 54.3×52.0 (1380×1320)            |             |                                  |                    |                                  |              |              |
|                | Ejector point                   |   | 21 points                        |             |                                  |                    |                                  |              |              |
|                | Ejector force                   | USton (kN)                              | 14.6 (130)                       |             |                                  |                    |                                  |              |              |
| Ejector stroke | in (mm)                         | 7.087 (180)                             |                                  |             |                                  |                    |                                  |              |              |
| General        | Machine weight                  | USton (t)                               | 33.1 (30)                        |             | 35.3 (32)                        |                    | 35.3 (32)                        |              |              |
|                | Machine dimensions (LXWXH)      | ft (m)                                  | 28.74×7.78×7.87 (8.76×2.37×2.40) |             | 30.12×7.78×7.87 (9.18×2.37×2.40) |                    | 30.12×7.78×7.87 (9.18×2.37×2.40) |              |              |
|                | Hopper capacity (Option)        | ft <sup>3</sup> (l)                     | 4.4 (124)                        |             | 6.0 (170)                        |                    | 6.0 (170)                        |              |              |

Remarks:  
 1. Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.  
 2. The theoretical injection capacity is (cross sectional area of barrel) × (stroke of screw).  
 3. The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.  
 4. The plasticizing rate is applicable for GP-PS.  
 5. PC, 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:  
 1. Due to continual improvements, specifications are subject to change without notice.  
 2. Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.  
 3. Performance specifications are based on theoretical data.  
 4. 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf



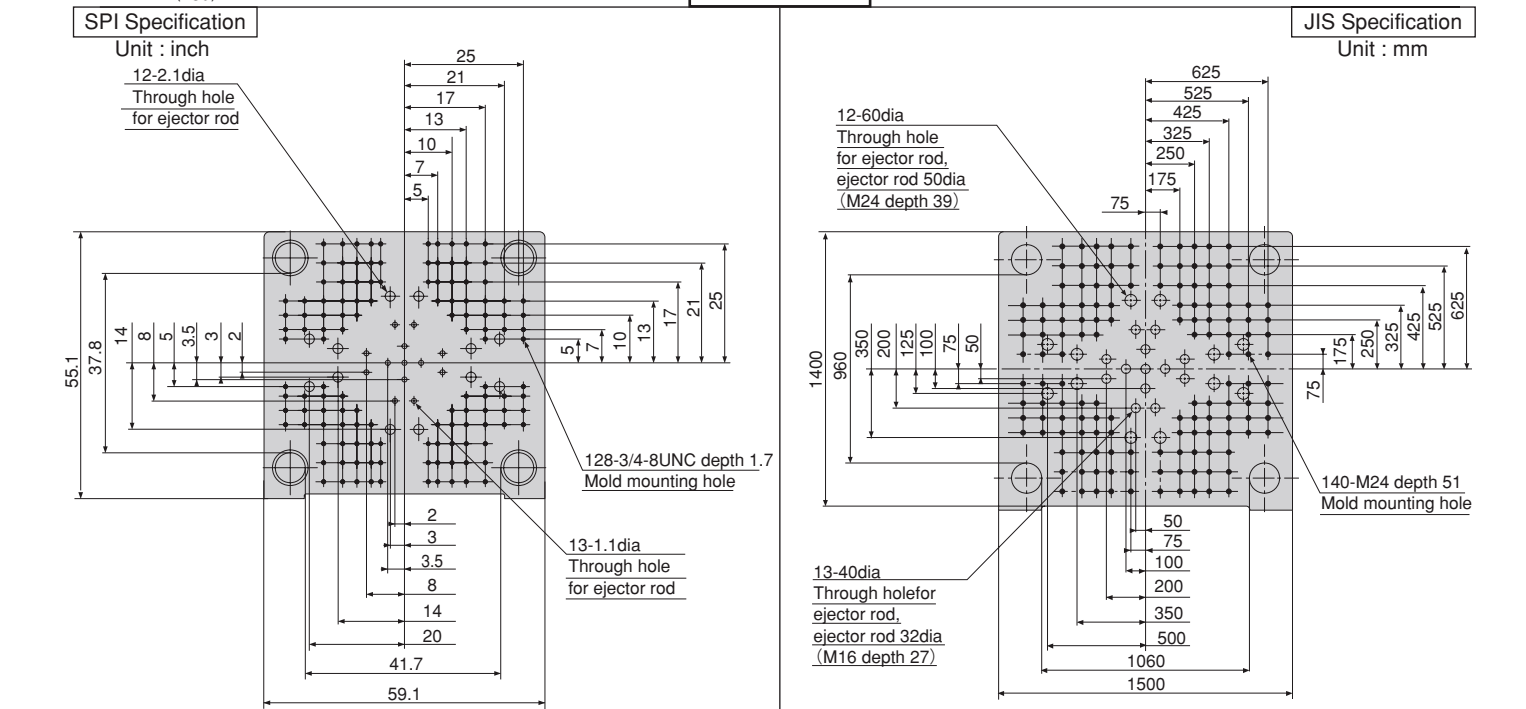
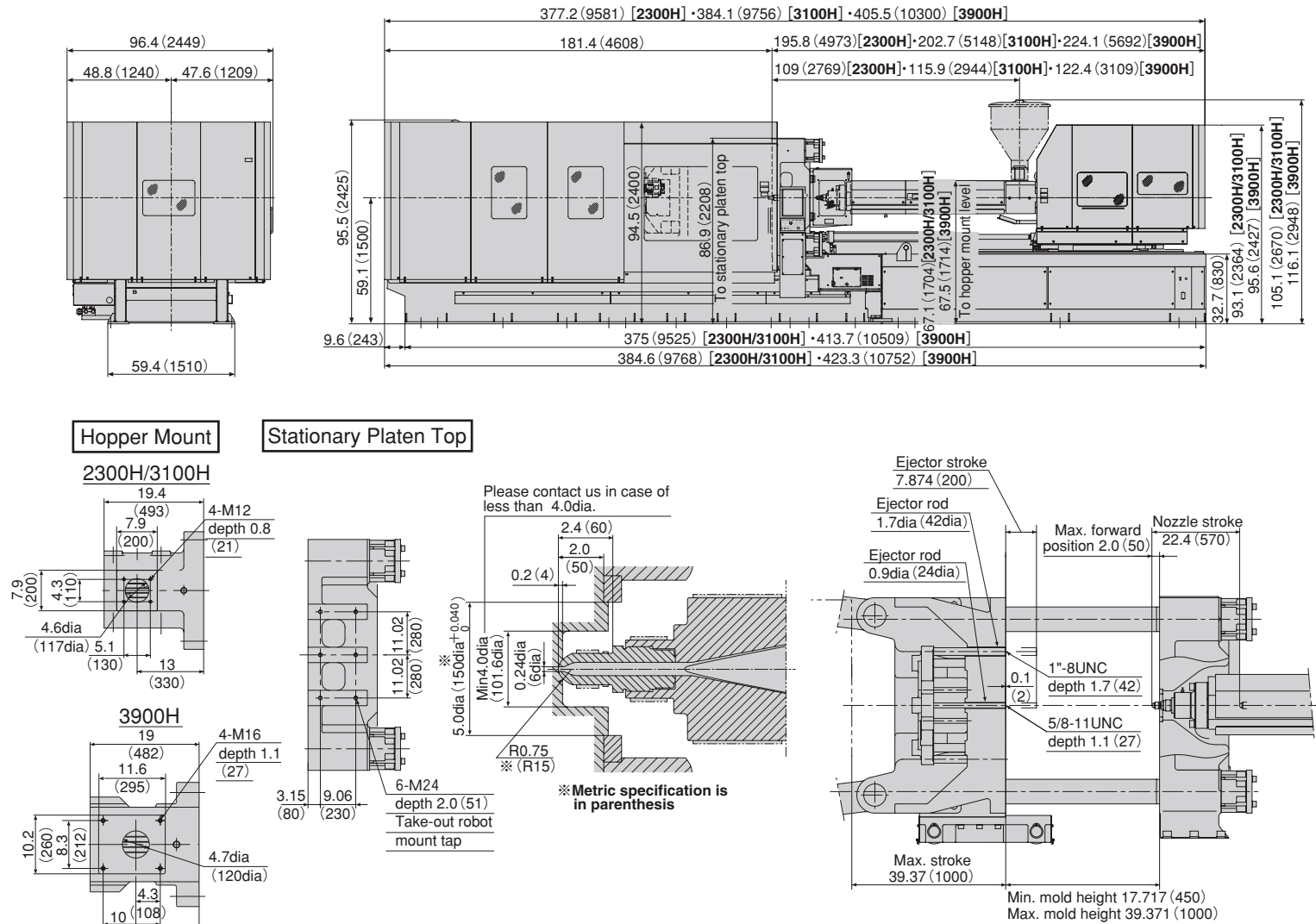
Performance Table

Equipment Dimensions and Mold Related Dimensions

Metric Unit : inch (mm)

| Unit                                    | Model   | J650AD                           |               |                                  |              |                                   |              |
|---|---|----------------------------------|---------------|----------------------------------|--------------|-----------------------------------|--------------|
|   |   | 2300H                            |               | 3100H                            |              | 3900H                             |              |
| Injection Unit                          | Screw barrel type   | A                                | B             | A                                | B            | A                                 | B            |
|   | Screw diameter in (mm)  | 3.31 (84)                        | 3.62 (92)     | 3.62 (92)                        | 3.94 (100)   | 3.94 (100)                        | 4.33 (110)   |
|   | Screw stroke in (mm)  | 16.536 (420)                     |               | 18.111 (460)                     |              | 19.685 (500)                      |              |
|   | Theoretical injection capacity in <sup>3</sup> (cm <sup>3</sup> ) | 142.1 (2328)                     | 170.4 (2792)  | 186.6 (3058)                     | 220.5 (3613) | 239.7 (3927)                      | 290.0 (4752) |
|   | Injection capacity (GP-PS) oz(g)                                  | 74.7 (2118)                      | 89.6 (2541)   | 98.2 (2783)                      | 116.0 (3288) | 126.1 (3574)                      | 152.5 (4324) |
|   | Injection pressure (Max.) psi (Mpa)                               | 27500 (190)                      | 22900 (158)   | 26800 (185)                      | 22600 (156)  | 26800 (185)                       | 22100 (153)  |
|   | Holding pressure (Max.) psi (Mpa)                                 | 24800 (171)                      | 20500 (142)   | 24200 (167)                      | 20300 (140)  | 24200 (167)                       | 20000 (138)  |
|   | Injection speed in/s (mm/s)                                       | 6.30 (160)                       |               | 6.30 (160)                       |              | 6.30 (160)                        |              |
|   | Injection rate in <sup>3</sup> /s (cm <sup>3</sup> /s)            | 54.1 (887)                       | 64.9 (1064)   | 64.9 (1064)                      | 76.7 (1257)  | 76.7 (1257)                       | 92.8 (1521)  |
|   | Plasticizing rate (GP-PS) oz/s (kg/h)                             | 4.12 (420)                       | 4.61 (470)    | 4.80 (490)                       | 5.29 (540)   | 5.39 (550)                        | 6.07 (620)   |
|   | Screw speed rpm (min <sup>-1</sup> )                              | 200                              | 180           | 180                              | 165          | 165                               | 150          |
|   | Nozzle touch force USton(kN)                                      | 7.3 (65)                         |               |                                  |              |                                   |              |
|   | Nozzle stroke from platen in (mm)                                 | 2.0 (50)                         |               |                                  |              |                                   |              |
|   | Type of nozzle  | Open nozzle                      |               |                                  |              |                                   |              |
|   | Barrel temperature control  | Barrel 5, Nozzle 1               |               |                                  |              |                                   |              |
|   | Heater wattage kW   | 39.2                             |               | 44.5                             |              | 46.3                              |              |
|   | Clamping Unit   | Mechanism                        | Double toggle |                                  |              |                                   |              |
| Clamping force USton (kN)               |   | 717 (6380)                       |               |                                  |              |                                   |              |
| Daylight opening (Max.) in (mm)         |   | 78.742 (2000)                    |               |                                  |              |                                   |              |
| Opening stroke (Max.) in (mm)           |   | 39.37 (1000)                     |               |                                  |              |                                   |              |
| Mold height in (mm)                     |   | 17.717~39.371 (450~1000)         |               |                                  |              |                                   |              |
| Platen speed ft/s (m/min)               |   | 3.83 (70)                        |               |                                  |              |                                   |              |
| Distance between tie-bars (HXV) in (mm) |   | 41.7×37.8 (1060×960)             |               |                                  |              |                                   |              |
| Platen size (H×V) in (mm)               |   | 59.1×55.1 (1500×1400)            |               |                                  |              |                                   |              |
| Ejector point                           |   | 25 points                        |               |                                  |              |                                   |              |
| Ejector force USton (kN)                |   | 21.4 (190)                       |               |                                  |              |                                   |              |
| Ejector stroke in (mm)                  | 7.874 (200)   |                                  |               |                                  |              |                                   |              |
| General                                 | Machine weight USton (t)  | 40.8 (37)                        |               | 40.8 (37)                        |              | 43.0 (39)                         |              |
|   | Machine dimensions (L×W×H) ft (m)                                 | 32.05×8.04×7.97 (9.77×2.45×2.43) |               | 32.05×8.04×7.97 (9.77×2.45×2.43) |              | 34.74×8.04×7.97 (10.75×2.45×2.43) |              |
|   | Hopper capacity (Option) ft <sup>3</sup> (l)                      | 6.0 (170)                        |               | 6.0 (170)                        |              | 12.0 (340)                        |              |

- Remarks:
- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
  - The theoretical injection capacity is (cross sectional area of barrel) × (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, 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.
  - 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102t



Performance Table

Equipment Dimensions and Mold Related Dimensions

Metric Unit : inch (mm)

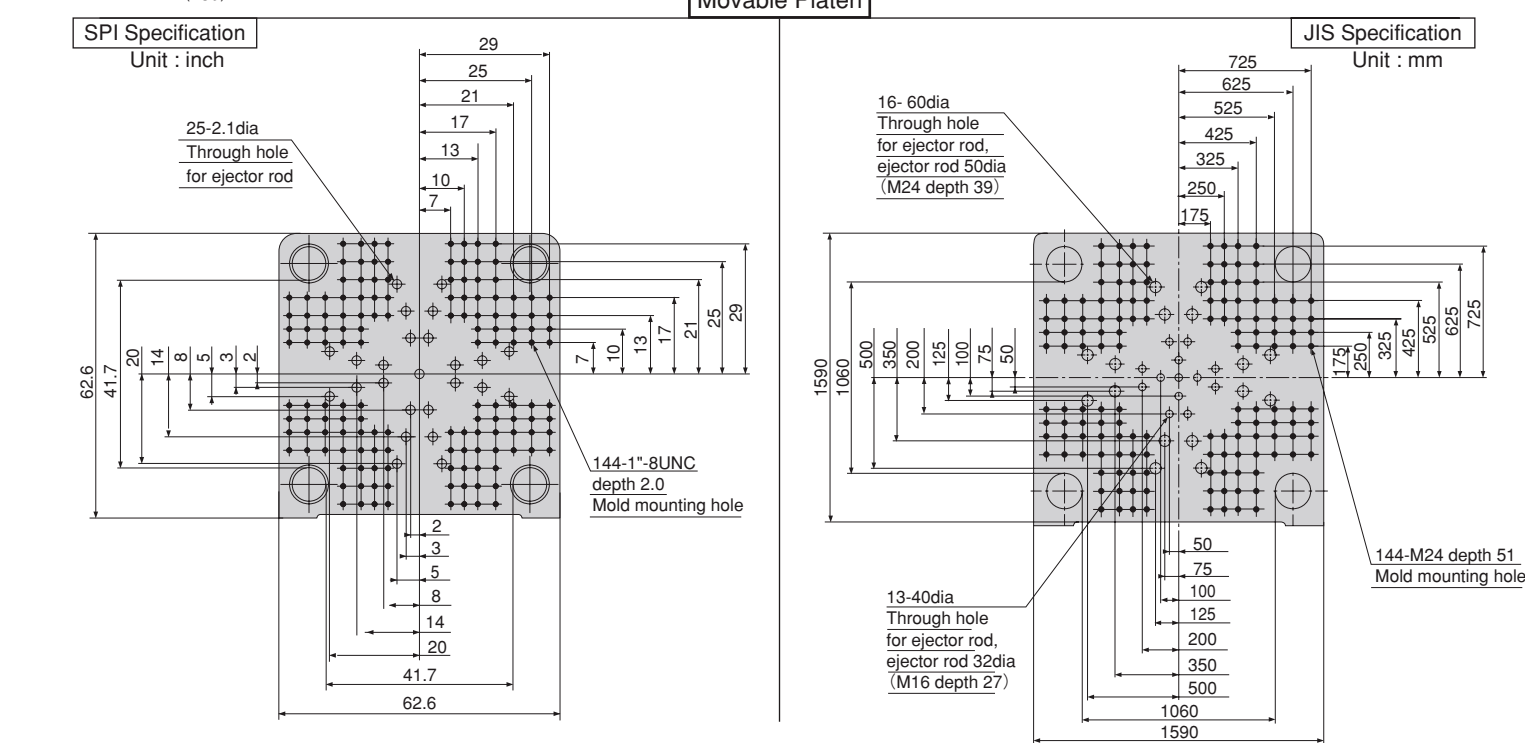
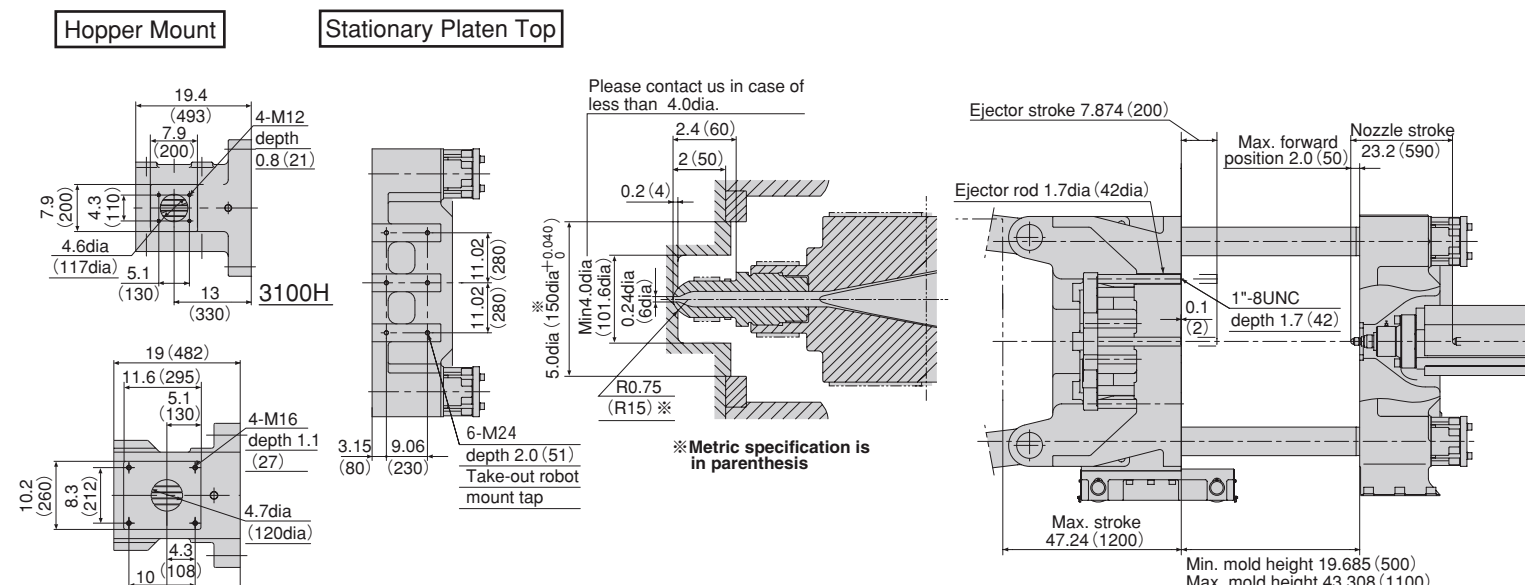
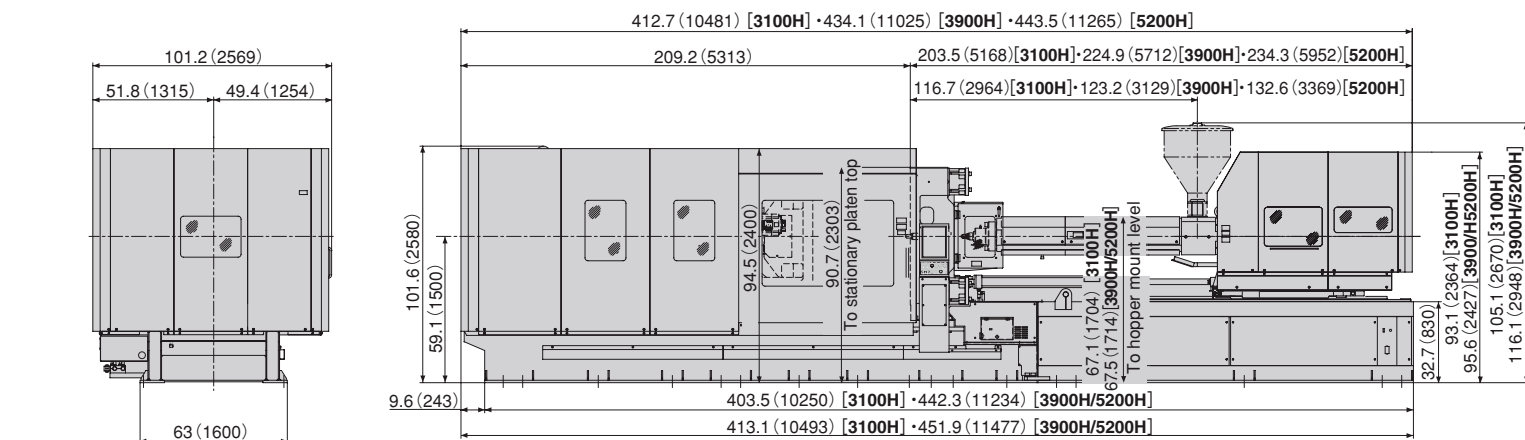
| Unit                            | Model                                  | J850AD                            |              |                                   |              |                                   |              |
|---------------------------------|--|-----------------------------------|--------------|-----------------------------------|--------------|-----------------------------------|--------------|
|                                 |  | 3100H                             |              | 3900H                             |              | 5200H                             |              |
| Item                            |  | A                                 | B            | A                                 | B            | A                                 | B            |
|                                 | Screw barrel type                      |                                   |              |                                   |              |                                   |              |
| Screw diameter                  | in (mm)                                | 3.62 (92)                         | 3.94 (100)   | 3.94 (100)                        | 4.33 (110)   | 4.33 (110)                        | 4.72 (120)   |
| Screw stroke                    | in (mm)                                | 18.111 (460)                      |              | 19.685 (500)                      |              | 21.654 (550)                      |              |
| Theoretical injection capacity  | in <sup>3</sup> (cm <sup>3</sup> )     | 186.6 (3058)                      | 220.5 (3613) | 239.7 (3927)                      | 290.0 (4752) | 319.0 (5227)                      | 379.6 (6220) |
| Injection capacity (GP-PS)      | oz(g)                                  | 98.2 (2783)                       | 116.0 (3288) | 126.1 (3574)                      | 152.5 (4324) | 167.8 (4757)                      | 199.7 (5660) |
| Injection pressure (Max.)       | psi (Mpa)                              | 26800 (185)                       | 22600 (156)  | 26800 (185)                       | 22100 (153)  | 25300 (175)                       | 21300 (147)  |
| Holding pressure (Max.)         | psi (Mpa)                              | 24200 (167)                       | 20300 (140)  | 24200 (167)                       | 20000 (138)  | 22900 (158)                       | 19100 (132)  |
| Injection speed                 | in/s (mm/s)                            | 6.30 (160)                        |              | 6.30 (160)                        |              | 6.10 (155)                        |              |
| Injection rate                  | in <sup>3</sup> /s(cm <sup>3</sup> /s) | 64.9 (1064)                       | 76.7 (1257)  | 76.7 (1257)                       | 92.8 (1521)  | 89.9 (1473)                       | 107.0 (1753) |
| Plasticizing rate (GP-PS)       | oz/s (kg/h)                            | 4.80 (490)                        | 5.29 (540)   | 5.39 (550)                        | 6.07 (620)   | 6.17 (630)                        | 6.86 (700)   |
| Screw speed                     | rpm (min <sup>-1</sup> )               | 180                               | 165          | 165                               | 150          | 150                               | 140          |
| Nozzle touch force              | USton(kN)                              | 7.3 (65)                          |              |                                   |              |                                   |              |
| Nozzle stroke from platen       | in (mm)                                | 2.0 (50)                          |              |                                   |              |                                   |              |
| Type of nozzle                  |  | Open nozzle                       |              |                                   |              |                                   |              |
| Barrel temperature control      |  | Barrel 5, Nozzle 1                |              |                                   |              |                                   |              |
| Heater wattage                  | kW                                     | 44.5                              |              | 46.3                              |              | 53.7                              |              |
| Mechanism                       |  | Double toggle                     |              |                                   |              |                                   |              |
| Clamping force                  | USton (kN)                             | 937 (8340)                        |              |                                   |              |                                   |              |
| Daylight opening (Max.)         | in (mm)                                | 90.553 (2300)                     |              |                                   |              |                                   |              |
| Opening stroke (Max.)           | in (mm)                                | 47.24 (1200)                      |              |                                   |              |                                   |              |
| Mold height                     | in (mm)                                | 19.685~43.308 (500~1100)          |              |                                   |              |                                   |              |
| Platen speed                    | ft/s (m/min)                           | 3.83 (70)                         |              |                                   |              |                                   |              |
| Distance between tie-bars (HXV) | in (mm)                                | 41.7×41.7 (1060×1060)             |              |                                   |              |                                   |              |
| Platen size (H×V)               | in (mm)                                | 62.6×62.6 (1590×1590)             |              |                                   |              |                                   |              |
| Ejector point                   |  | 25 (29) points                    |              |                                   |              |                                   |              |
| Ejector force                   | USton (kN)                             | 25.9 (230)                        |              |                                   |              |                                   |              |
| Ejector stroke                  | in (mm)                                | 7.874 (200)                       |              |                                   |              |                                   |              |
| Machine weight                  | USton (t)                              | 52.9 (48)                         |              | 55.1 (50)                         |              | 55.1 (50)                         |              |
| Machine dimensions (L×W×H)      | ft (m)                                 | 34.42×8.43×8.46 (10.49×2.57×2.58) |              | 37.11×8.43×8.46 (11.48×2.57×2.58) |              | 37.11×8.43×8.46 (11.48×2.57×2.58) |              |
| Hopper capacity (Option)        | ft <sup>3</sup> (l)                    | 6.0 (170)                         |              | 12.0 (340)                        |              | 12.0 (340)                        |              |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (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, 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.
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102t



## Performance Table

## Equipment Dimensions and Mold Related Dimensions

Metric Unit : inch (mm)

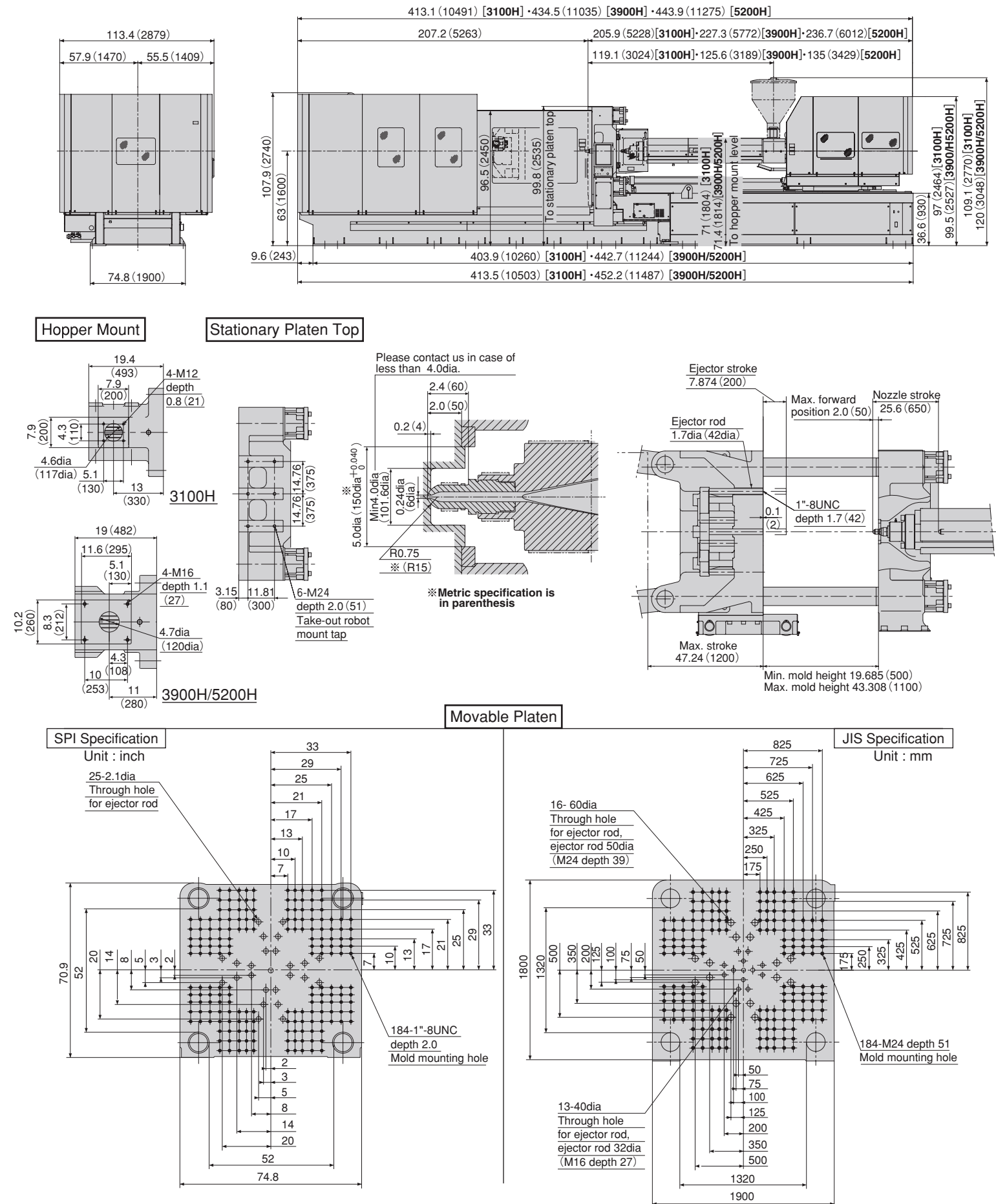
| Unit                                    | Model   | J850ADW                           |               |                                   |              |                                   |              |
|---|---|-----------------------------------|---------------|-----------------------------------|--------------|-----------------------------------|--------------|
|   |   | 3100H                             |               | 3900H                             |              | 5200H                             |              |
| Injection Unit                          | Screw barrel type   | A                                 | B             | A                                 | B            | A                                 | B            |
|   | Screw diameter in (mm)  | 3.62 (92)                         | 3.94 (100)    | 3.94 (100)                        | 4.33 (110)   | 4.33 (110)                        | 4.72 (120)   |
|   | Screw stroke in (mm)  | 18.111 (460)                      |               | 19.685 (500)                      |              | 21.654 (550)                      |              |
|   | Theoretical injection capacity in <sup>3</sup> (cm <sup>3</sup> ) | 186.6 (3058)                      | 220.5 (3613)  | 239.7 (3927)                      | 290.0 (4752) | 319.0 (5227)                      | 379.6 (6220) |
|   | Injection capacity (GP-PS) oz(g)                                  | 98.2 (2783)                       | 116.0 (3288)  | 126.1 (3574)                      | 152.5 (4324) | 167.8 (4757)                      | 199.7 (5660) |
|   | Injection pressure (Max.) psi (Mpa)                               | 26800 (185)                       | 22600 (156)   | 26800 (185)                       | 22100 (153)  | 25300 (175)                       | 21300 (147)  |
|   | Holding pressure (Max.) psi (Mpa)                                 | 24200 (167)                       | 20300 (140)   | 24200 (167)                       | 20000 (138)  | 22900 (158)                       | 19100 (132)  |
|   | Injection speed in/s (mm/s)                                       | 6.30 (160)                        |               | 6.30 (160)                        |              | 6.10 (155)                        |              |
|   | Injection rate in <sup>3</sup> /s (cm <sup>3</sup> /s)            | 64.9 (1064)                       | 76.7 (1257)   | 76.7 (1257)                       | 92.8 (1521)  | 89.9 (1473)                       | 107.0 (1753) |
|   | Plasticizing rate (GP-PS) oz/s (kg/h)                             | 4.80 (490)                        | 5.29 (540)    | 5.39 (550)                        | 6.07 (620)   | 6.17 (630)                        | 6.86 (700)   |
|   | Screw speed rpm (min <sup>-1</sup> )                              | 180                               | 165           | 165                               | 150          | 150                               | 140          |
|   | Nozzle touch force USton(kN)                                      | 7.3 (65)                          |               |                                   |              |                                   |              |
|   | Nozzle stroke from platen in (mm)                                 | 2.0 (50)                          |               |                                   |              |                                   |              |
|   | Type of nozzle  | Open nozzle                       |               |                                   |              |                                   |              |
|   | Barrel temperature control  | Barrel 5, Nozzle 1                |               |                                   |              |                                   |              |
|   | Heater wattage kW   | 44.5                              |               | 46.3                              |              | 53.7                              |              |
|   | Clamping Unit   | Mechanism                         | Double toggle |                                   |              |                                   |              |
| Clamping force USton (kN)               |   | 937 (8340)                        |               |                                   |              |                                   |              |
| Daylight opening (Max.) in (mm)         |   | 90.553 (2300)                     |               |                                   |              |                                   |              |
| Opening stroke (Max.) in (mm)           |   | 47.24 (1200)                      |               |                                   |              |                                   |              |
| Mold height in (mm)                     |   | 19.685~43.308 (500~1100)          |               |                                   |              |                                   |              |
| Platen speed ft/s (m/min)               |   | 3.83 (70)                         |               |                                   |              |                                   |              |
| Distance between tie-bars (HXV) in (mm) |   | 52.0×52.0 (1320×1320)             |               |                                   |              |                                   |              |
| Platen size (H×V) in (mm)               |   | 74.8×70.9 (1900×1800)             |               |                                   |              |                                   |              |
| Ejector point                           |   | 25 (29)points                     |               |                                   |              |                                   |              |
| Ejector force USton (kN)                |   | 25.9 (230)                        |               |                                   |              |                                   |              |
| Ejector stroke in (mm)                  | 7.874 (200)   |                                   |               |                                   |              |                                   |              |
| General                                 | Machine weight USton (t)  | 59.5 (52)                         |               | 61.7 (56)                         |              | 61.7 (56)                         |              |
|   | Machine dimensions (L×W×H) ft (m)                                 | 34.45×9.45×8.99 (10.50×2.88×2.74) |               | 37.14×9.45×8.99 (11.49×2.88×2.74) |              | 37.14×9.45×8.99 (11.49×2.88×2.74) |              |
|   | Hopper capacity (Option) ft <sup>3</sup> (l)                      | 6.0 (170)                         |               | 12.0 (340)                        |              | 12.0 (340)                        |              |

**Remarks:**

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (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, 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:**

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- 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.
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102t



Performance Table

Equipment Dimensions and Mold Related Dimensions

Metric Unit : inch (mm)

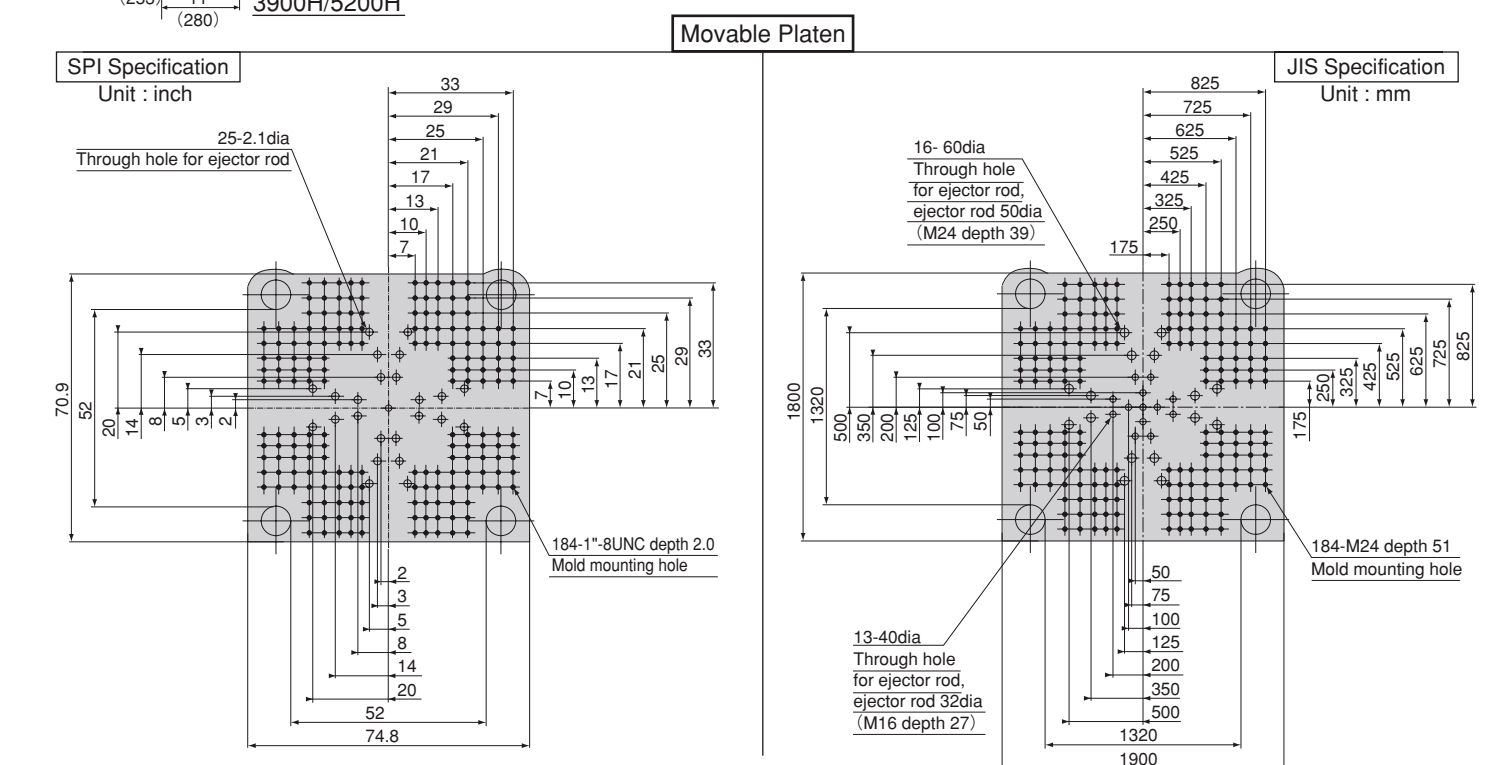
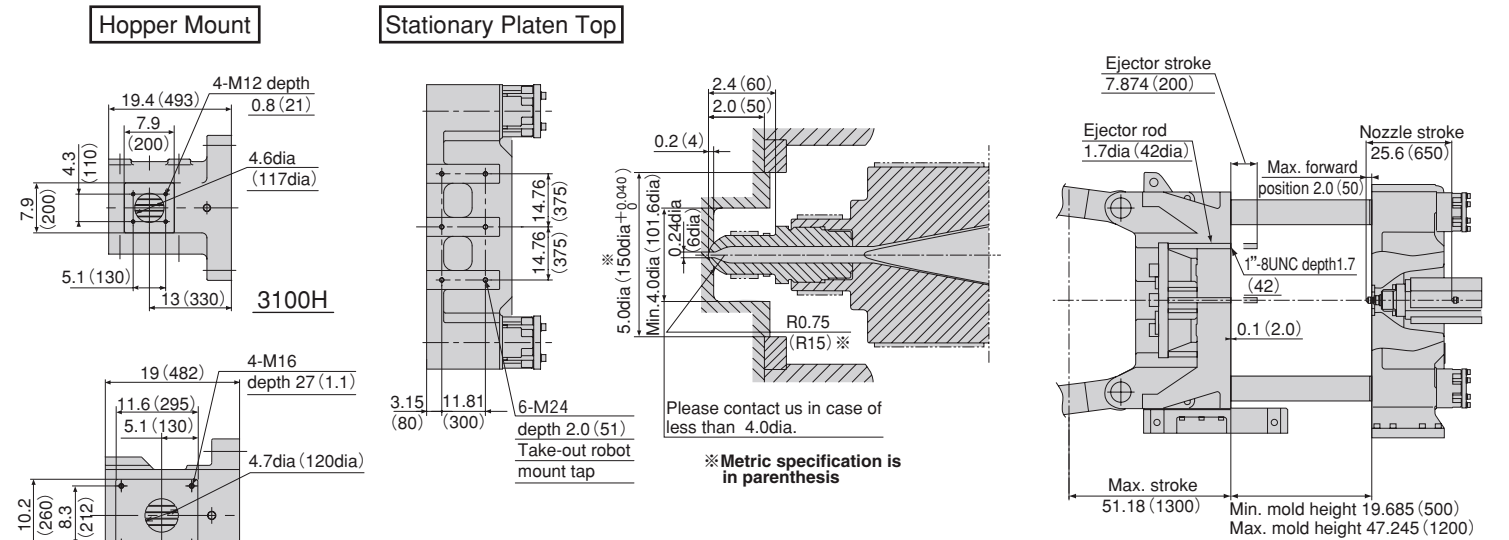
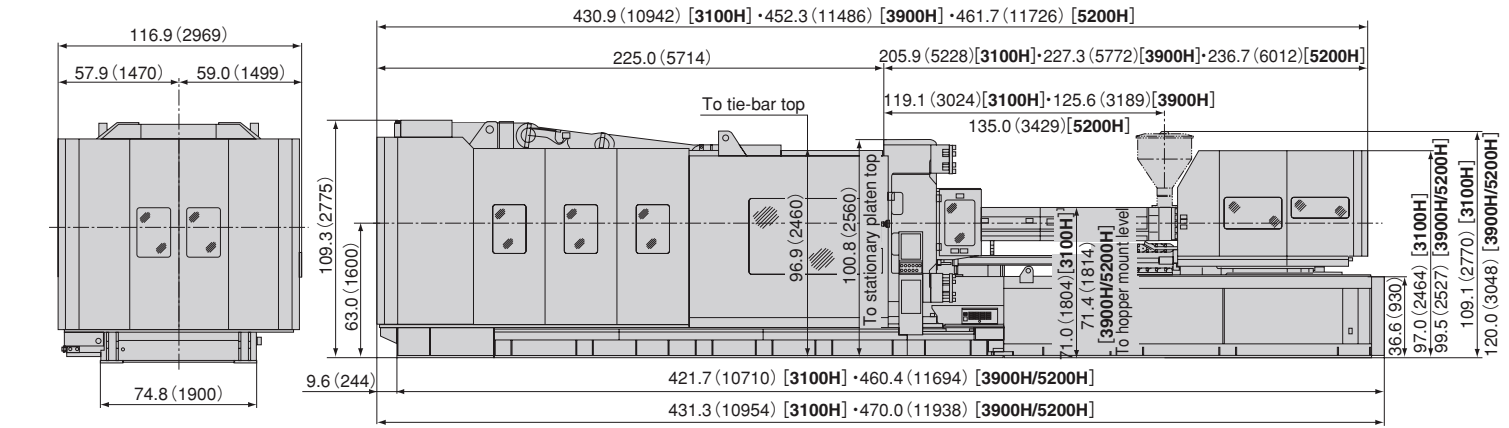
| Unit                                    | Model   | J1000AD                           |               |                                   |              |                                   |              |
|---|---|-----------------------------------|---------------|-----------------------------------|--------------|-----------------------------------|--------------|
|   |   | 3100H                             |               | 3900H                             |              | 5200H                             |              |
| Injection Unit                          | Screw barrel type   | A                                 | B             | A                                 | B            | A                                 | B            |
|   | Screw diameter in (mm)  | 3.62 (92)                         | 3.94 (100)    | 3.94 (100)                        | 4.33 (110)   | 4.33 (110)                        | 4.72 (120)   |
|   | Screw stroke in (mm)  | 18.111 (460)                      |               | 19.685 (500)                      |              | 21.654 (550)                      |              |
|   | Theoretical injection capacity in <sup>3</sup> (cm <sup>3</sup> ) | 186.6 (3058)                      | 220.5 (3613)  | 239.7 (3927)                      | 290.0 (4752) | 319.0 (5227)                      | 379.6 (6220) |
|   | Injection capacity (GP-PS) oz(g)                                  | 98.2 (2783)                       | 116.0 (3288)  | 126.1 (3574)                      | 152.5 (4324) | 167.8 (4757)                      | 199.7 (5660) |
|   | Injection pressure (Max.) psi (Mpa)                               | 26800 (185)                       | 22600 (156)   | 26800 (185)                       | 22100 (153)  | 25300 (175)                       | 21300 (147)  |
|   | Holding pressure (Max.) psi (Mpa)                                 | 24200 (167)                       | 20300 (140)   | 24200 (167)                       | 20000 (138)  | 22900 (158)                       | 19100 (132)  |
|   | Injection speed in/s (mm/s)                                       | 6.30 (160)                        |               | 6.30 (160)                        |              | 6.10 (155)                        |              |
|   | Injection rate in <sup>3</sup> /s (cm <sup>3</sup> /s)            | 64.9 (1064)                       | 76.7 (1257)   | 76.7 (1257)                       | 92.8 (1521)  | 89.9 (1473)                       | 107.0 (1753) |
|   | Plasticizing rate (GP-PS) oz/s (kg/h)                             | 4.80 (490)                        | 5.29 (540)    | 5.39 (550)                        | 6.07 (620)   | 6.17 (630)                        | 6.86 (700)   |
|   | Screw speed rpm (min <sup>-1</sup> )                              | 180                               | 165           | 165                               | 150          | 150                               | 140          |
|   | Nozzle touch force USton(kN)                                      | 7.3 (65)                          |               |                                   |              |                                   |              |
|   | Nozzle stroke from platen in (mm)                                 | 2.0 (50)                          |               |                                   |              |                                   |              |
|   | Type of nozzle  | Open nozzle                       |               |                                   |              |                                   |              |
|   | Barrel temperature control  | Barrel 5, Nozzle 1                |               |                                   |              |                                   |              |
|   | Heater wattage kW   | 44.5                              |               | 46.3                              |              | 53.7                              |              |
|   | Clamping Unit   | Mechanism                         | Double toggle |                                   |              |                                   |              |
| Clamping force USton (kN)               |   | 1103 (9810)                       |               |                                   |              |                                   |              |
| Daylight opening (Max.) in (mm)         |   | 98.427 (2500)                     |               |                                   |              |                                   |              |
| Opening stroke (Max.) in (mm)           |   | 51.18 (1300)                      |               |                                   |              |                                   |              |
| Mold height in (mm)                     |   | 19.685~47.245 (500~1200)          |               |                                   |              |                                   |              |
| Platen speed ft/s (m/min)               |   | 3.83 (70)                         |               |                                   |              |                                   |              |
| Distance between tie-bars (HXV) in (mm) |   | 52.0×52.0 (1320×1320)             |               |                                   |              |                                   |              |
| Platen size (H×V) in (mm)               |   | 74.8×70.9 (1900×1800)             |               |                                   |              |                                   |              |
| Ejector point                           |   | 25 (29) points                    |               |                                   |              |                                   |              |
| Ejector force USton (kN)                |   | 25.9 (230)                        |               |                                   |              |                                   |              |
| General                                 | Ejector stroke in (mm)  | 7.874 (200)                       |               |                                   |              |                                   |              |
|   | Machine weight USton (t)  | 67.2 (61)                         |               | 70.5 (64)                         |              | 70.5 (64)                         |              |
|   | Machine dimensions (L×W×H) ft (m)                                 | 35.94×9.74×9.10 (10.95×2.97×2.78) |               | 39.17×9.74×9.10 (11.94×2.97×2.78) |              | 39.14×9.74×9.10 (11.94×2.97×2.78) |              |
|   | Hopper capacity (Option) ft <sup>3</sup> (l)                      | 6.0 (170)                         |               | 12.0 (340)                        |              | 12.0 (340)                        |              |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (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, 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.

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- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102t



Performance Table

Equipment Dimensions and Mold Related Dimensions

Metric Unit : inch (mm)

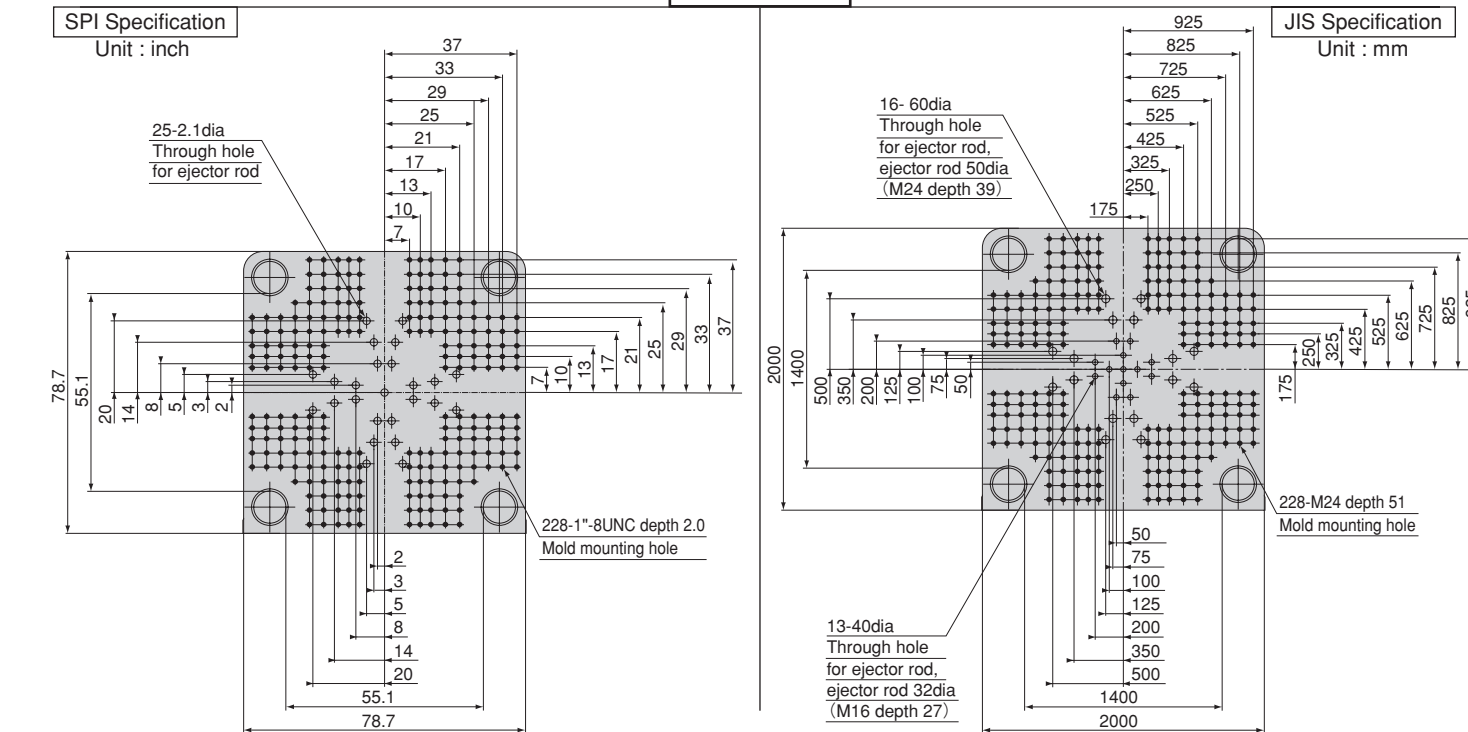
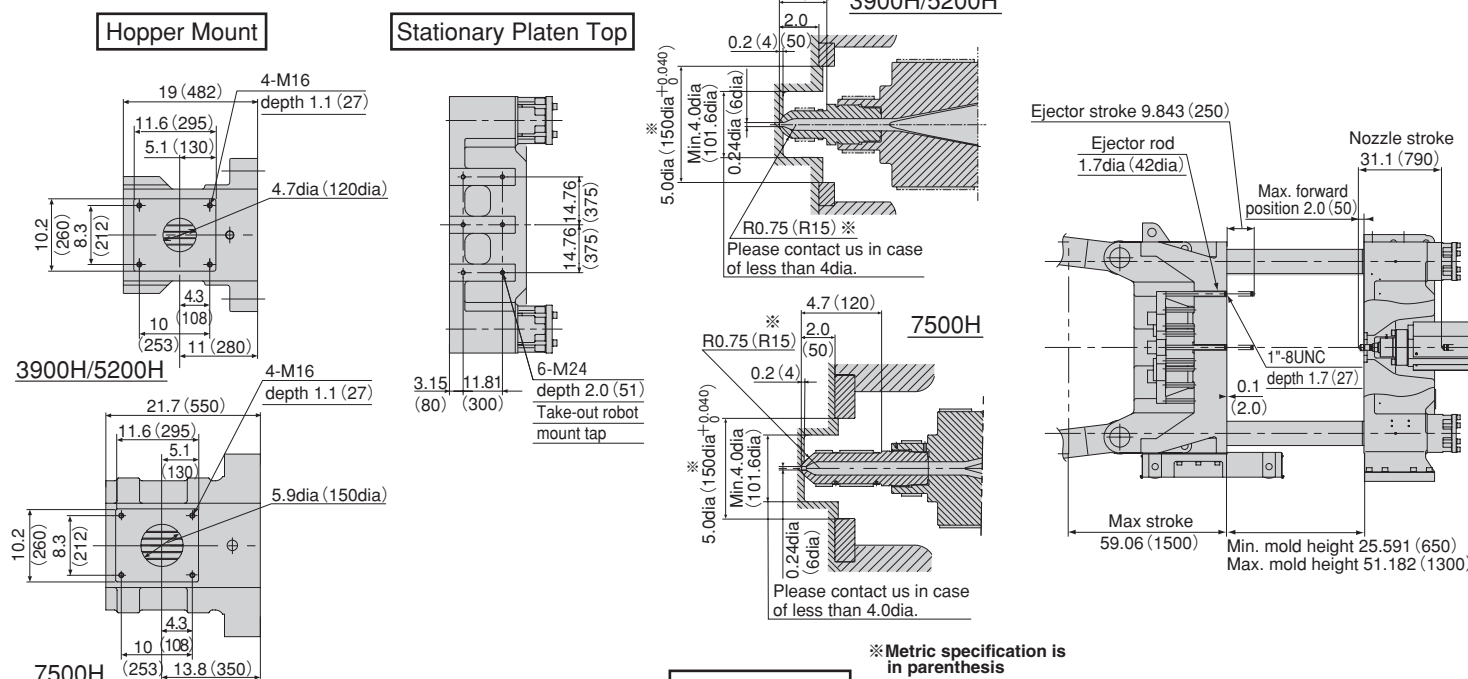
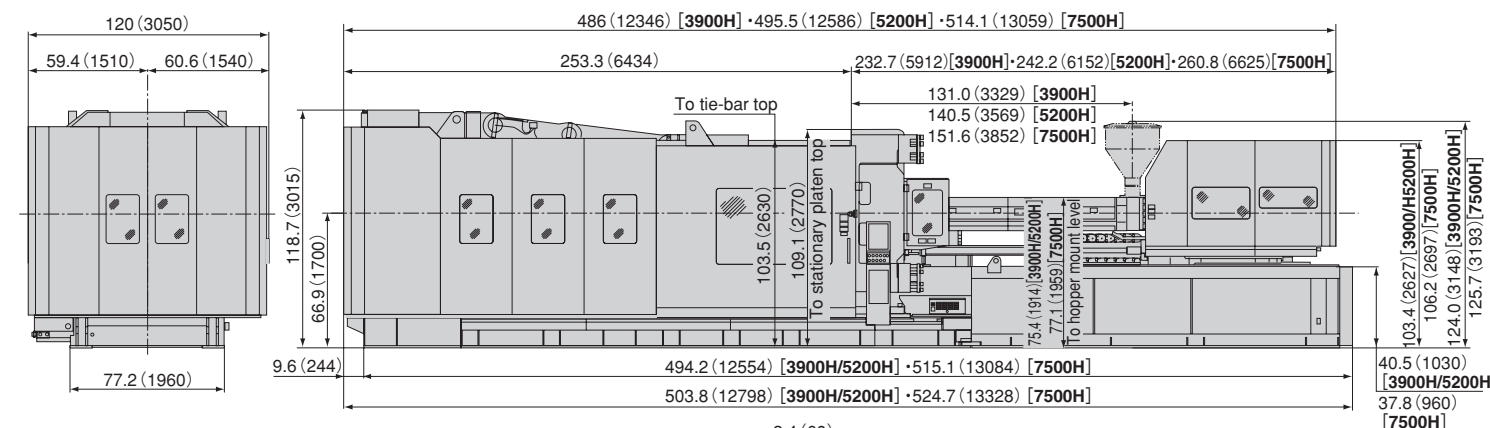
| Unit                                    | Item  | J1300AD                            |               |                                    |                    |                                    |              |
|---|---|------------------------------------|---------------|------------------------------------|--------------------|------------------------------------|--------------|
|   |   | 3900H                              |               | 5200H                              |                    | 7500H                              |              |
| Injection Unit                          | Screw barrel type   | A                                  | B             | A                                  | B                  | A                                  | B            |
|   | Screw diameter in (mm)  | 3.94 (100)                         | 4.33 (110)    | 4.33 (110)                         | 4.72 (120)         | 4.72 (120)                         | 5.12 (130)   |
|   | Screw stroke in (mm)  | 19.685 (500)                       |               | 21.654 (550)                       |                    | 25.985 (660)                       |              |
|   | Theoretical injection capacity in <sup>3</sup> (cm <sup>3</sup> ) | 239.7 (3927)                       | 290.0 (4752)  | 319.0 (5227)                       | 379.6 (6220)       | 455.5 (7464)                       | 534.6 (8760) |
|   | Injection capacity (GP-PS) oz(g)                                  | 126.1 (3574)                       | 152.5 (4324)  | 167.8 (4757)                       | 199.7 (5660)       | 239.6 (6793)                       | 281.2 (7972) |
|   | Injection pressure (Max.) psi (Mpa)                               | 26800 (185)                        | 22100 (153)   | 25300 (175)                        | 21300 (147)        | 26100 (180)                        | 22100 (153)  |
|   | Holding pressure (Max.) psi (Mpa)                                 | 24200 (167)                        | 20000 (138)   | 22900 (158)                        | 19100 (132)        | 22900 (158)                        | 19500 (135)  |
|   | Injection speed in/s (mm/s)                                       | 6.30 (160)                         |               | 6.10 (155)                         |                    | 5.12 (130)                         |              |
|   | Injection rate in <sup>3</sup> /s (cm <sup>3</sup> /s)            | 76.7 (1257)                        | 92.8 (1521)   | 89.9 (1473)                        | 107.0 (1753)       | 89.7 (1470)                        | 105.3 (1726) |
|   | Plasticizing rate (GP-PS) oz/s (kg/h)                             | 5.39 (550)                         | 6.07 (620)    | 6.17 (630)                         | 6.86 (700)         | 6.86 (700)                         | 7.15 (730)   |
|   | Screw speed rpm (min <sup>-1</sup> )                              | 165                                | 150           | 150                                | 140                | 140                                | 130          |
|   | Nozzle touch force USton(kN)                                      | 7.3 (65)                           |               |                                    |                    |                                    |              |
|   | Nozzle stroke from platen in (mm)                                 | 2.0 (50)                           |               |                                    |                    |                                    |              |
|   | Type of nozzle  | Open nozzle                        |               |                                    |                    |                                    |              |
|   | Barrel temperature control  | Barrel 5, Nozzle 1                 |               |                                    | Barrel 5, Nozzle 2 |                                    |              |
|   | Heater wattage kW   | 46.3                               |               | 53.7                               |                    | 72.8                               |              |
|   | Clamping Unit   | Mechanism                          | Double toggle |                                    |                    |                                    |              |
| Clamping force USton (kN)               |   | 1439 (12800)                       |               |                                    |                    |                                    |              |
| Daylight opening (Max.) in (mm)         |   | 110.238 (2800)                     |               |                                    |                    |                                    |              |
| Opening stroke (Max.) in (mm)           |   | 59.06 (1500)                       |               |                                    |                    |                                    |              |
| Mold height in (mm)                     |   | 25.591~51.182 (650~1300)           |               |                                    |                    |                                    |              |
| Platen speed ft/s (m/min)               |   | 3.55 (65)                          |               |                                    |                    |                                    |              |
| Distance between tie-bars (HXV) in (mm) |   | 55.1×55.1 (1400×1400)              |               |                                    |                    |                                    |              |
| Platen size (H×V) in (mm)               |   | 78.7×78.7 (2000×2000)              |               |                                    |                    |                                    |              |
| Ejector point                           |   | 25 (29) points                     |               |                                    |                    |                                    |              |
| Ejector force USton (kN)                |   | 33.7 (300)                         |               |                                    |                    |                                    |              |
| General                                 | Ejector stroke in (mm)  | 9.843 (250)                        |               |                                    |                    |                                    |              |
|   | Machine weight USton (t)  | 92.6 (84)                          |               | 92.6 (84)                          |                    | 95.9 (87)                          |              |
|   | Machine dimensions (L×W×H) ft (m)                                 | 41.99×10.01×9.89 (12.80×3.05×3.02) |               | 41.99×10.01×9.89 (12.80×3.05×3.02) |                    | 43.73×10.01×9.89 (13.33×3.05×3.02) |              |
|   | Hopper capacity (Option) ft <sup>3</sup> (l)                      | 12.0 (340)                         |               | 12.0 (340)                         |                    | 12.0 (340)                         |              |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
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Performance Table

Equipment Dimensions and Mold Related Dimensions

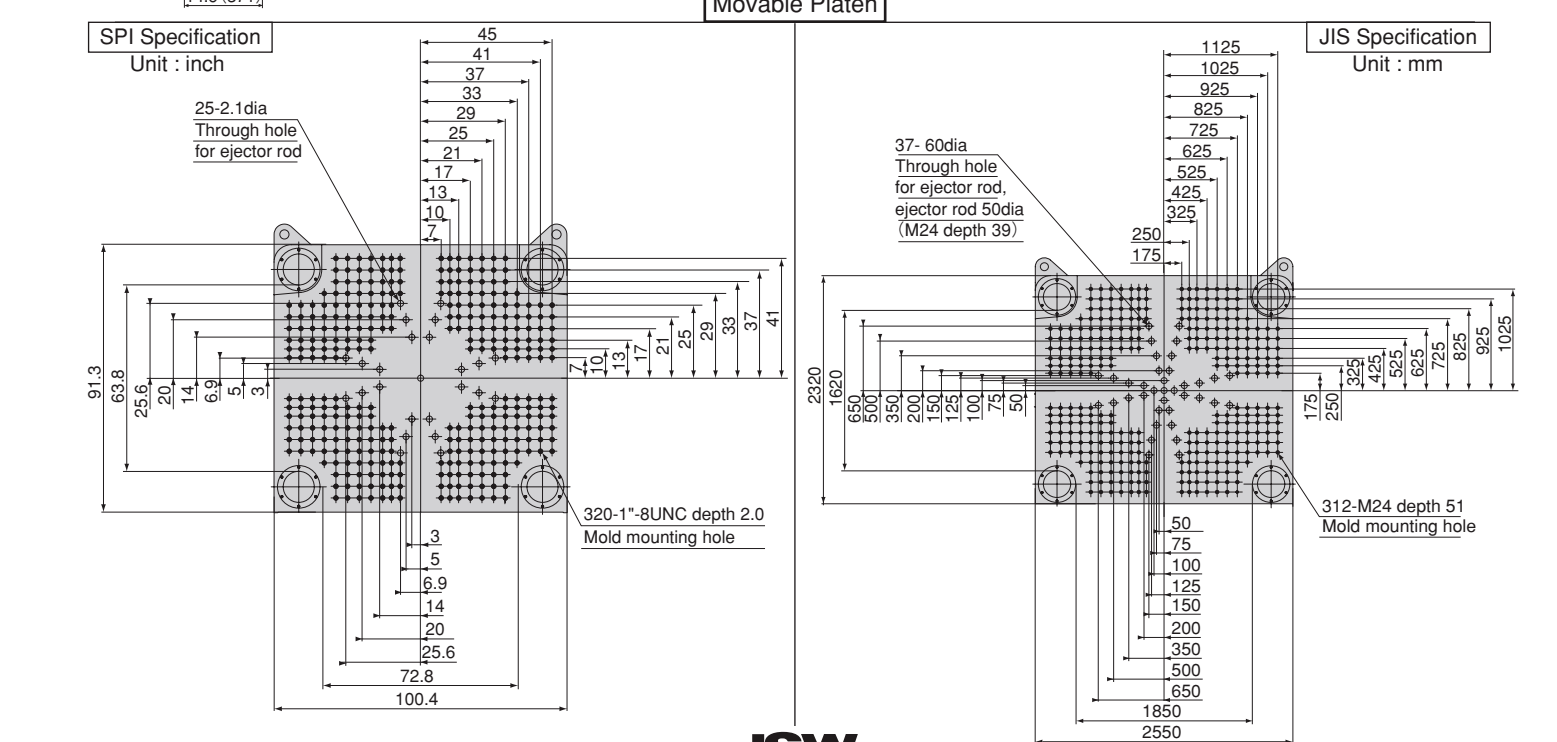
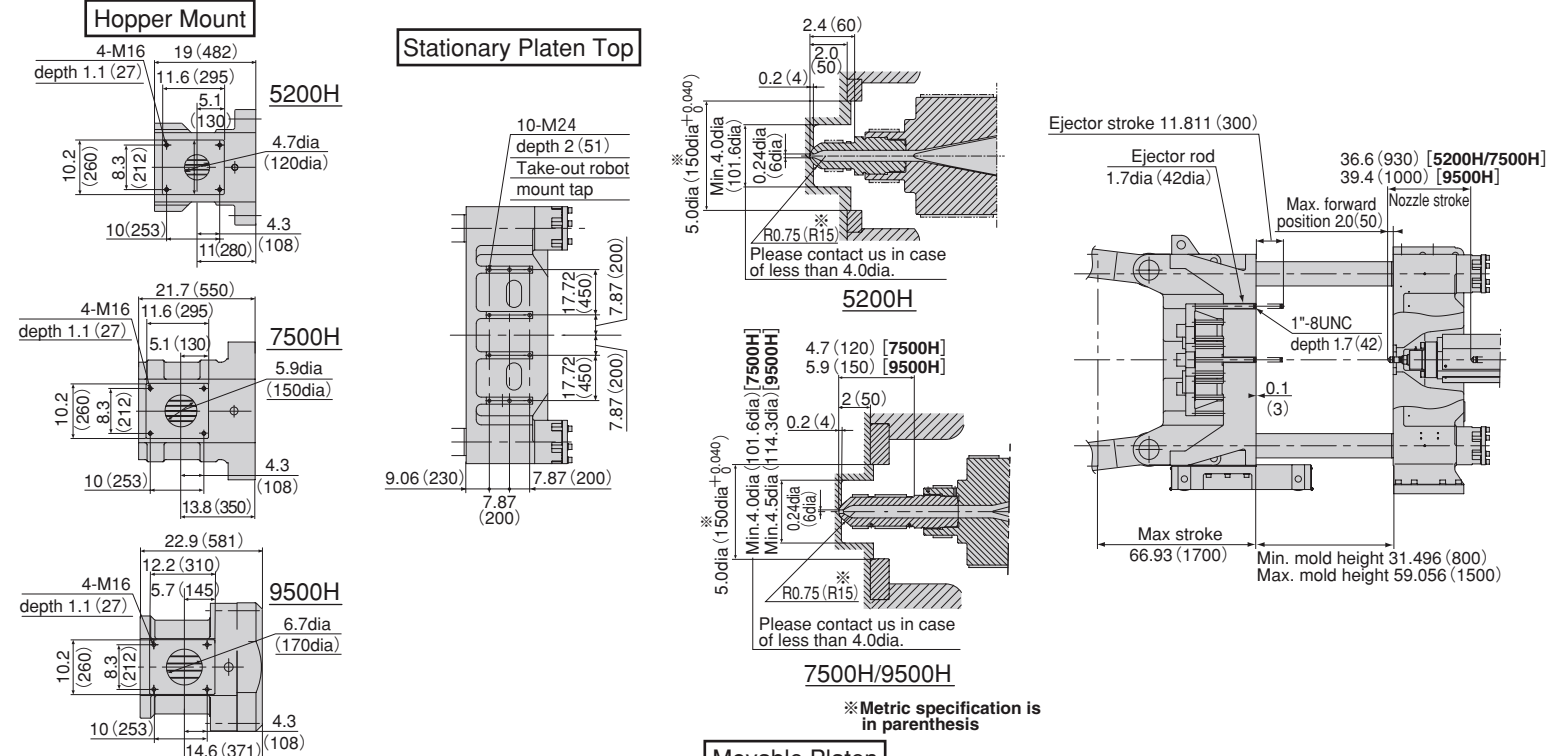
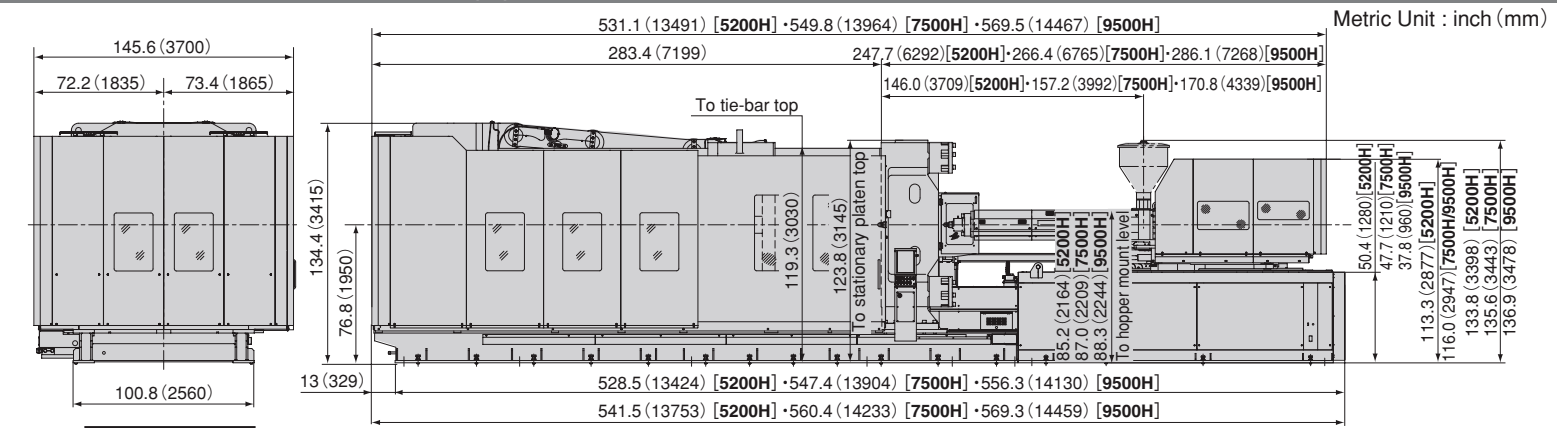
| Unit                            | Model                                   | J1800AD                             |              |                                     |              |                                     |               |
|---------------------------------|---|-------------------------------------|--------------|-------------------------------------|--------------|-------------------------------------|---------------|
|                                 |   | 5200H                               |              | 7500H                               |              | 9500H                               |               |
| Item                            |   | A                                   | B            | A                                   | B            | A                                   | B             |
| Screw barrel type               |   |                                     |              |                                     |              |                                     |               |
| Screw diameter                  | in (mm)                                 | 4.33 (110)                          | 4.72 (120)   | 4.72 (120)                          | 5.12 (130)   | 5.12 (130)                          | 5.51 (140)    |
| Screw stroke                    | in (mm)                                 | 21.654 (550)                        |              | 25.985 (660)                        |              | 28.150 (715)                        |               |
| Theoretical injection capacity  | in <sup>3</sup> (cm <sup>3</sup> )      | 319.0 (5227)                        | 379.6 (6220) | 455.5 (7464)                        | 534.6 (8760) | 579.1 (9490)                        | 671.7 (11007) |
| Injection capacity (GP-PS)      | oz(g)                                   | 167.8 (4757)                        | 199.7 (5660) | 239.6 (6793)                        | 281.2 (7972) | 304.6 (8636)                        | 353.3 (10016) |
| Injection pressure (Max.)       | psi (Mpa)                               | 25300 (175)                         | 21300 (147)  | 26100 (180)                         | 22100 (153)  | 26100 (180)                         | 22400 (155)   |
| Holding pressure (Max.)         | psi (Mpa)                               | 22900 (158)                         | 19100 (132)  | 22900 (158)                         | 19500 (135)  | 23400 (162)                         | 20300 (140)   |
| Injection speed                 | in/s (mm/s)                             | 6.10 (155)                          |              | 5.12 (130)                          |              | 5.12 (130)                          |               |
| Injection rate                  | in <sup>3</sup> /s (cm <sup>3</sup> /s) | 89.9 (1473)                         | 107.0 (1753) | 89.7 (1470)                         | 105.3 (1726) | 105.3 (1726)                        | 122.1 (2001)  |
| Plasticizing rate (GP-PS)       | oz/s (kg/h)                             | 6.17 (630)                          | 6.86 (700)   | 6.86 (700)                          | 7.15 (730)   | 8.33 (850)                          | 8.62 (880)    |
| Screw speed                     | rpm (min <sup>-1</sup> )                | 150                                 | 140          | 140                                 | 130          | 135                                 | 130           |
| Nozzle touch force              | USton(kN)                               | 7.3 (65)                            |              | 7.3 (65)                            |              | 8.4 (75)                            |               |
| Nozzle stroke from platen       | in (mm)                                 | 2.0 (50)                            |              |                                     |              |                                     |               |
| Type of nozzle                  |   | Open nozzle                         |              |                                     |              |                                     |               |
| Barrel temperature control      |   | Barrel 5, Nozzle 1                  |              | Barrel 5, Nozzle 2                  |              |                                     |               |
| Heater wattage                  | kW                                      | 53.7                                |              | 72.8                                |              | 90.4                                |               |
| Mechanism                       |   | Double toggle                       |              |                                     |              |                                     |               |
| Clamping force                  | USton (kN)                              | 1990 (17700)                        |              |                                     |              |                                     |               |
| Daylight opening (Max.)         | in (mm)                                 | 125.987 (3200)                      |              |                                     |              |                                     |               |
| Opening stroke (Max.)           | in (mm)                                 | 66.93 (1700)                        |              |                                     |              |                                     |               |
| Mold height                     | in (mm)                                 | 31.496~59.056 (800~1500)            |              |                                     |              |                                     |               |
| Platen speed                    | ft/s (m/min)                            | 3.28 (60)                           |              |                                     |              |                                     |               |
| Distance between tie-bars (HXV) | in (mm)                                 | 72.8×63.8 (1850×1620)               |              |                                     |              |                                     |               |
| Platen size (H×V)               | in (mm)                                 | 100.4×91.3 (2550×2320)              |              |                                     |              |                                     |               |
| Ejector point                   |   | 25 (37) points                      |              |                                     |              |                                     |               |
| Ejector force                   | USton (kN)                              | 42.7 (380)                          |              |                                     |              |                                     |               |
| Ejector stroke                  | in (mm)                                 | 11.811 (300)                        |              |                                     |              |                                     |               |
| Machine weight                  | USton (t)                               | 131.2 (119)                         |              | 134.5 (122)                         |              | 144.4 (131)                         |               |
| Machine dimensions (L×W×H)      | ft (m)                                  | 44.96×12.14×11.20 (13.75×3.70×3.42) |              | 46.70×12.14×11.20 (14.23×3.70×3.42) |              | 47.46×13.80×11.20 (14.47×4.21×3.42) |               |
| Hopper capacity (Option)        | ft <sup>3</sup> (l)                     | 12.0 (340)                          |              | 12.0 (340)                          |              | 12.0 (340)                          |               |

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- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
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## Standard Equipment List

| Item  |  |  |
|---|--|--|
| Injection and Plasticizing Unit                       | Open nozzle  |  |
|   | N2000F barrel  |  |
|   | Chrome plated screw  | Note1  |
|   | Purge cover (with limit switch)                            |  |
|   | Injection unit swiveling device (with limit switch)        | Note2  |
|   | Screw cold start prevention                                |  |
|   | Molding/Pause temperature select                           |  |
|   | Auto purging circuit                                       |  |
|   | Nozzle retract select                                      |  |
|   | Pull-back select   |  |
|   | Auto grease lubrication                                    |  |
|   | Injection/Metering programmed control                      | Injection/Holding pressure :1~6 Steps (Variable)<br>Metering/Back pressure :1~3 Steps (Variable) |
|   | Holding pressure transfer select                           |  |
|   | Holding pressure control select                            | Step mode<br>Slope mode  |
|   | Barrel temperature control (PID)                           | Note3  |
|   | Nozzle temperature control (PID/SSR)                       |  |
|   | Synchronous temperature rise control                       |  |
|   | Hopper flange temperature control                          |  |
|   | Soft pack servo control                                    |  |
|   | HAVC (High Accuracy Volume Control)                        |  |
| IWCS (Injection Weight and Cushion Stability) control |  |  |
| Reverse seal control                                  |  |  |
| Clamping Unit   | Grease-free toggle bushing                                 |  |
|   | Auto grease lubrication                                    |  |
|   | High-performance platen support                            |  |
|   | Flat press platen mechanism (Stationary side/Movable side) |  |
|   | Mold open/close and Ejector programmed control             | Mold open/close : 4 Steps (Fixed)<br>Ejector : 1~3 Steps (Variable)                              |
|   | Mold protection  | 1~3 Steps (Variable)   |
|   | Ejector braking system                                     | Note4  |
|   | Electric-driven mold thickness adjusting device            |  |
|   | Auto clamp force setting                                   |  |
|   | Clamp force display  |  |
|   | Clamp force feed back control                              |  |
|   | Toggle type injection compression function                 | A -mode<br>B -mode<br>Compression : 1~6 Steps (Variable)   |
|   | Clamping safety device (Electrical/Mechanical)             |  |
|   | Robot mounting holes                                       |  |
|   | Compound action  | Screw rotation during mold open/close<br>Eject during mold open<br>Injection during clamp up     |
|   | Safety mat   | Operator side step safety mat<br>Under mold area safety mat                                      |
|   |  | Note5  |

Note 1. GP21 screw for Injection unit 1400H.

High-Melter Mill screw for Injection unit 2300H and higher.

Note 2. Manual operation type for Injection unit 1400H.

Note 3. Injection unit 1400H is controlled by SSR (non-contact).

Injection unit 2300H and higher are controlled by MC (contact).

Note 4. Equipped as standard for J650AD and higher, optional for J550AD.

Note 5. Safety mat on the top of the step is equipped as standard for J650AD and higher, optional for J550AD.

Safety mat on the top of the inter-platens bed is equipped as standard for J850ADW and higher (models with 1200mm or wider gap between tie-bars), optional for J850AD.

| Item       |   |        |
|------------|---|--------|
| Controller | Touch panel 15" TFT color LCD controller            |        |
|            | 120 Mold condition storage (Internal memory)        | Note6  |
|            | Soft start molding                                  |        |
|            | Self diagnostics function                           |        |
|            | Help function                                       |        |
|            | Pop-up display                                      |        |
|            | Clock   |        |
|            | Multi-language select (English, Chinese, Japanese)  |        |
|            | Print screen by USB memory                          |        |
|            | USB printer port                                    | Note7  |
|            | Overall setting screen                              |        |
|            | Pre-heat timer                                      |        |
|            | Product takeout robot circuit                       |        |
|            | Attended/Unattended operation select                |        |
|            | Emergency stop button                               |        |
| Safety key |   |        |
| Monitor    | Actual value display                                |        |
|            | Mold temperature display                            | Note8  |
|            | Injection/Metering waveform monitor                 |        |
|            | Oscilloscope waveform monitor                       |        |
|            | Injection/Metering waveform storage                 |        |
|            | Barrel temperature monitor                          |        |
|            | Injection pressure monitor                          |        |
|            | Statistical graph                                   |        |
|            | Production monitor                                  |        |
|            | Cumulative operating hour display                   |        |
|            | Cycle monitor                                       |        |
|            | Molding condition upper/lower limit monitor         | Note9  |
|            | Inspection and Maintenance guide                    | Note10 |
|            | Heater system fault alarm                           |        |
|            | Injection pressure overshoot alarm                  |        |
| Others     | Grease lubrication fault alarm                      |        |
|            | Servo fault alarm                                   |        |
|            | Unreleased clamp alarm                              |        |
|            | Position calibration request                        |        |
|            | Alarm buzzer  |        |
|            | Alarm history                                       |        |
|            | Set value history                                   |        |
|            | Safety compliance to JIMS K1001                     |        |
|            | Cooling water closed circuit for feed throat        |        |
|            | Mold cooling water circuit (Machine bed)            |        |
|            | Accessories (Maintenance tools, Ejector rods, etc.) |        |

Note 6. The external memory is capable of storing conditions for 1,000 molds. Prepare commercial USB data storage media.

Note 7. The printer and printer cables are options.

Note 8. Temperature sensors and electric wiring are not included.

Note 9. Maximum of 16 items and alarms can be selected out of the following monitor items.

- ① Cycle time
- ② Injection time
- ③ Metering time
- ④ Cushion position
- ⑤ Holding pressure end position
- ⑥ Injection pressure
- ⑦ Holding pressure transfer pressure
- ⑧ Screw back pressure
- ⑨ Metering end position
- ⑩ Injection start position
- ⑪ Holding pressure transfer position
- ⑫ Mold open time
- ⑬ Mold close time
- ⑭ Metering torque
- ⑮ Holding pressure transfer speed
- ⑯ Mold inner pressure (option)
- ⑰ Clamp force
- ⑱ Shift amount (HAVC)
- ⑲ End speed (HAVC)

Note 10. Indicates inspection times and items.

## Options List

| Item                             |  |  |
|----------------------------------|--|--|
| Injection Unit                   | Long nozzle  |  |
|                                  | Shut-off nozzles (Pneumatic type and Hydraulic type)                   |  |
|                                  | LSP-2 screw (Abrasion-resistant type)                                  |  |
|                                  | Wide selection of screws & barrels                                     | Screw & Barrel for high plasticization<br>Screw & Barrel for optical application<br>High dispersion screw<br>High viscosity resin screw<br>Long-fiber resin screw<br>Special screw |
|                                  | Barrel Insulation cover  | Note1  |
|                                  | Barrel blower cooling unit   |  |
|                                  | Hopper (Option for all the region)                                     |  |
|                                  | High holding pressure molding (for long-time holding pressure molding) | Note2  |
|                                  | Electric motor driven IU advance/retract                               |  |
|                                  | Vented barrel  |  |
| Clamping Unit                    | Daylight extension   |  |
|                                  | T-slot platen  |  |
|                                  | Locating ring  |  |
|                                  | Air jet  |  |
|                                  | Core pull device (Pneumatic type and Hydraulic type)                   | Note3  |
|                                  | Valve gate device (Pneumatic type and Hydraulic type)                  | Note3  |
|                                  | Auto safety gate open  |  |
|                                  | Auto safety gate open/close  |  |
|                                  | Safety mat   | Note4  |
|                                  | Safety footplate   |  |
| Mold clamper                     |  |  |
| Mold setup device                |  |  |
| Magnet mold Clamper              | Note5  |  |
| Cooling water manifold on platen |  |  |
| Hydraulic power pack             |  |  |
| Ejector braking system           | Note6  |  |

Note 1. Regarding special screws, contact us separately.

Note 2. Enables a long holding time and high holding pressure molding. The injection speed may become lower.

Note 3. For the hydraulic type, a separate hydraulic unit is needed.

Note 4. Safety mat on the top of the step is equipped as standard for J650AD and higher.

Safety mat on the top of the inter-platens bed is equipped as standard for J850ADW and higher (models with 1200mm or wider gap between tie-bars).

Note 5. When applied, extended nozzle is required.

Note that the usable mold thickness range will change.

Note 6. Equipped as standard for J650AD and higher.

| Item                                   |  |        |
|--|--|--------|
| Electrical Instrumentation and Control | Multi-language select (French, Spanish or Hangul)                        | Note7  |
|  | Simple centralized monitor system Link10                                 | Note8  |
|  | Centralized control system NET100  | Note9  |
|  | Heater burnout alarm   |        |
|  | Mold temperature display (with mold temperature upper/lower limit alarm) |        |
|  | Mold temperature control (with mold temperature upper/lower limit alarm) |        |
|  | Printer (with printer cable)   |        |
|  | Password Function  |        |
|  | Hot runner control circuit   |        |
|  | Unscrewing motor circuit   |        |
| Others                                 | Ejector gate cutting circuit   |        |
|  | Ejector plate return confirmation circuit                                |        |
|  | Injection speed:10 Steps control   |        |
|  | Injection speed slope control  |        |
|  | Foaming molding control  |        |
|  | Skin adhesion molding control  |        |
|  | D.I.C. (Dual Integrated Control) with Yushin Robot                       |        |
|  | Hopper stage   |        |
|  | Cooling water failure warning  |        |
|  | Leveling pad for installation  | Note10 |
| Rotary warning light                   |  |        |
| Export specification                   | Note11   |        |
| Designated color                       | Note12   |        |

●For details of each option, confirm in the specifications for the options.

Note 7. Regarding the other languages, contact us separately. English and Chinese are equipped as standard.

Note 8. The LINK10 has actual data collection, molding condition control and remote control functions.

Note 9. The NET100 has quality control and production control function in addition to the functions that the LINK10 has.

Note 10. May not be applicable depending on the model.

Note 11. Regarding the export specifications, separate discussion is needed in some cases, depending upon the export destination.

Note 12. Designate colors, referring to color samples or Munsell codes.

## Utilities

### ■ Total Power Capacity

| Machine Model     |       | Total Power Capacity (kVA) |
|-------------------|-------|----------------------------|
| J550AD            | 1400H | 53.5                       |
|                   | 2300H | 58.3                       |
|                   | 3100H | 68.6                       |
| J650AD            | 2300H | 59.9                       |
|                   | 3100H | 70.2                       |
|                   | 3900H | 84.9                       |
| J850AD<br>J850ADW | 3100H | 70.4                       |
|                   | 3900H | 85.1                       |
|                   | 5200H | 88.1                       |
| J1000AD           | 3100H | 71.2                       |
|                   | 3900H | 85.9                       |
|                   | 5200H | 88.9                       |
| J1300AD           | 3900H | 86.3                       |
|                   | 5200H | 89.2                       |
|                   | 7500H | 96.7                       |
| J1800AD           | 5200H | 90.6                       |
|                   | 7500H | 98.1                       |
|                   | 9500H | 150.9                      |

Note: 1. Total power capacity does not include external outlets.  
 2. We recommend that the rated interrupting current of the main power supply breaker is more than 25 kA at AC400V/460V.

### ■ Cooling Water Capacity for Barrel Temperature Control

| Injection Unit | Cooling Water Capacity for Barrel Temperature Control (ft <sup>3</sup> /h) |
|----------------|--|
| 1400H          | 21.19 (0.6m <sup>3</sup> /h)   |
| 2300H          | 42.37 (1.2m <sup>3</sup> /h)   |
| 3100H          |  |
| 3900H          |  |
| 5200H          | 56.50 (1.6m <sup>3</sup> /h)   |
| 7500H          |  |
| 9500H          |  |

Note: The above figures do not include the required quantity of water for the mold temperature controller.

### ■ Hydraulic Oil Tank Capacity

| 機種      | Hydraulic Oil Tank Capacity (USgal) |
|---------|-------------------------------------|
| J550AD  | 7.9<br>(30L)                        |
| J650AD  |                                     |
| J850AD  |                                     |
| J850ADW |                                     |
| J1000AD |                                     |
| J1300AD |                                     |
| J1800AD |                                     |