

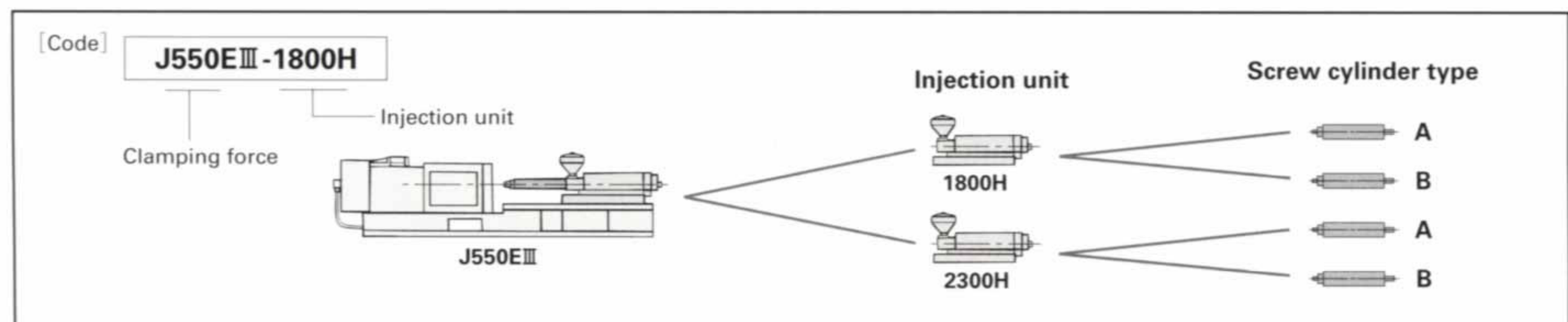
Large Size Injection Molding Machine

J550EIII

■ Specifications

| Item | Injection unit | 1800H | | 2300H | | |
|--------------------------------|---------------------------------|----------------------------|-----------------------------|-------------|------------|------------|
| | | A | B | A | B | |
| Injection Unit | Screw cylinder type | A | B | A | B | |
| | Screw diameter | mm | 83 | 92 | 83 | 92 |
| | Injection pressure | MPa {kgf/cm ² } | 189 {1920} | 153 {1560} | 189 {1920} | 153 {1560} |
| | Theoretical injection capacity | cm ³ | 1839 | 2260 | 2299 | 2825 |
| | Injection capacity [GP-PS] | g | 1673 | 2057 | 2092 | 2570 |
| | Injection rate | cm ³ /s | 488 (406) | 599 (499) | 488 (406) | 599 (499) |
| | Plasticizing rate [GP-PS] | kg/h | 270 (225) | 340 (283) | 270 (225) | 340 (283) |
| | Screw speed | High torque [Max.] | min ⁻¹ 103 (86) | | 103 (86) | |
| | | Low torque [Max.] | min ⁻¹ 147 (123) | | 147 (123) | |
| | Screw stroke | mm | 340 | | 425 | |
| | Nozzle stroke from platen | mm | 50 | | | |
| | Type of nozzle | | Open nozzle | | | |
| | Cylinder temperature control | | Cylinder 4, nozzle 1 | | | |
| Clamping Unit | Mechanism | Double toggle | | | | |
| | Clamping force | kN (tf) | 5400 {550} | | | |
| | Daylight opening [Max.] | mm | 1700 | | | |
| | Opening stroke [Max.] | mm | 900 | | | |
| | Mold height | mm | 400~800 | | | |
| | Distance between tie-bars [H×V] | mm | 900×900 | | | |
| | Platen size [H×V] | mm | 1300×1300 | | | |
| | Hydraulic ejector | | Cross line [21 points] | | | |
| | Ejector force / stroke | kN (tf)/mm | 167 {17} / 180 | | | |
| | Mold closing / opening speed | m/min | 58-57 (48-47) | | | |
| Electrical Equipment | Pump driving motor | kW | 75 | | | |
| | Heater wattage | kW | 37.95 | | | |
| | Mold height adjusting motor | kW | 2.2 | | | |
| | Total power capacity | kW | 115 | | | |
| Machine Dimensions and General | Machine weight | t | 27 | | | |
| | Machine dimensions [L×W×H] | m | 9.6×2.1×2.5 | 9.9×2.1×2.5 | | |
| | Hydraulic oil reservoir | L | 750 | | | |
| | Hopper capacity | L | 124 [optional] | | | |

■ Block System



Remarks:

- 1) The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
- 2) The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- 3) The plasticizing rate is applicable for GP-PS.
- 4) The total power capacity does not include power for the mold height adjusting motor (as it is not used while the machine is operated).
- 5) Figures in parenthesis are applicable for 50 Hz power source.
- 6) PC (polycarbonate), HPVC, 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.

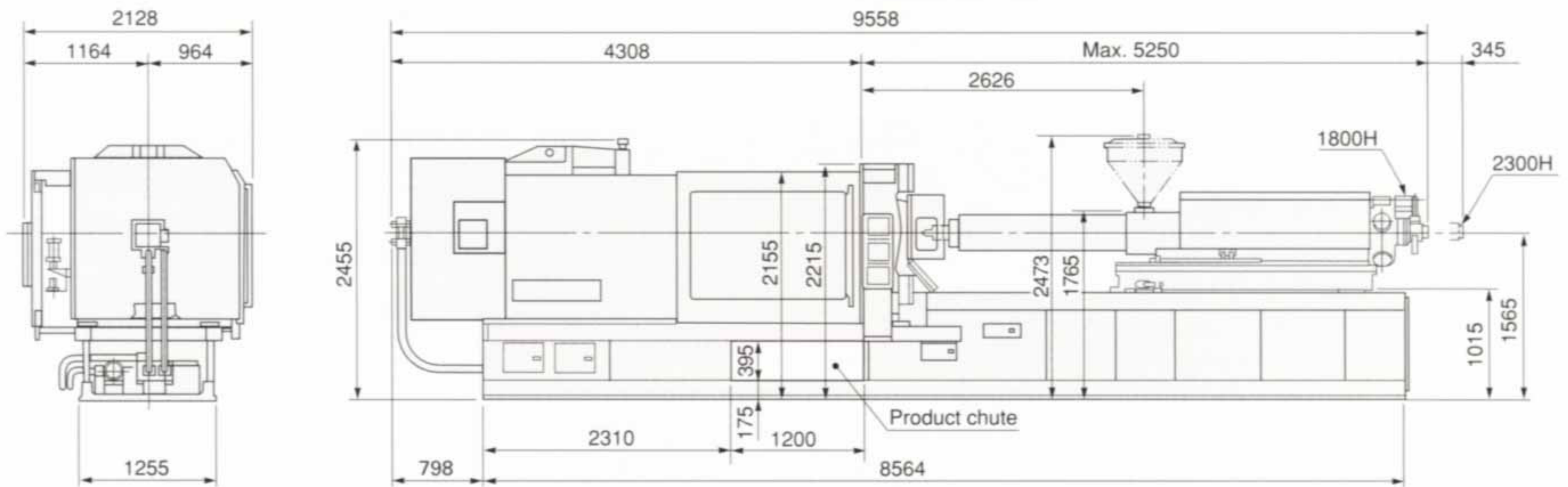
Notes:

- 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.
- Due to continual improvements, specifications are subject to change without notice.
- 1MPa=10.2kgf/cm², 1kN=0.102tf

Machine Dimensions

J550EIII

Machine dimensions (L×W×H) m
 J550EIII-1800H 9.6×2.1×2.5
 J550EIII-2300H 9.9×2.1×2.5



Mold Dimensions and Relative Equipment

