

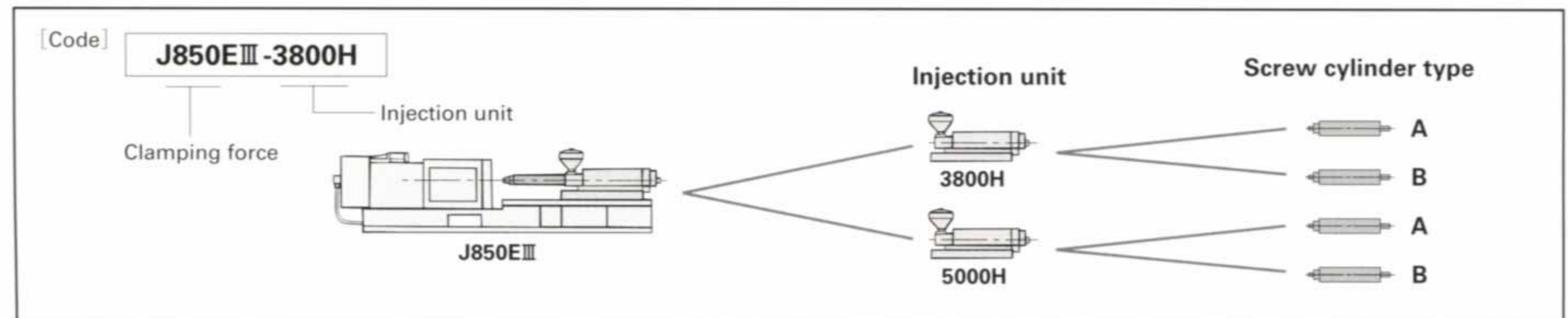
Large Size Injection Molding Machine

J850EIII

■ Specifications

Item		Injection unit	3800H		5000H		
Injection Unit	Screw cylinder type		A	B	A	B	
	Screw diameter	mm	100	110	110	120	
	Injection pressure	MPa {kgf/cm ² }	170 {1730}	141 {1430}	169 {1720}	142 {1440}	
	Theoretical injection capacity	cm ³	3768	4559	5034	5991	
	Injection capacity [GP-PS]	g	3429	4149	4581	5452	
	Injection rate	cm ³ /s	840 (700)	1018 (848)	849 (708)	1010 (842)	
	Plasticizing rate [GP-PS]	kg/h	470 (392)	580 (483)	580 (483)	530 (442)	
	Screw speed	High torque [Max.]	min ⁻¹	70 (63)		70/90 (63/83)	
		Low torque [Max.]	min ⁻¹	140(125)		140 (125)	
	Screw stroke	mm	480		530		
	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}	8340 {850}				
	Daylight opening [Max.]	mm	2300				
	Opening stroke [Max.]	mm	1200				
	Mold height	mm	550~1100				
	Distance between tie-bars [H×V]	mm	1060×1060				
	Platen size [H×V]	mm	1560×1560				
	Hydraulic ejector		Cross line [29 points]				
	Ejector force / stroke	kN {tf}/mm	216 {22} / 200				
	Mold closing / opening speed	m/min	67-65 (56-54)				
Electrical Equipment	Pump driving motor	kW	105				
	Heater wattage	kW	35.83		43.15		
	Mold height adjusting motor	kW	5.5				
	Total power capacity	kW	143		150		
Machine Dimensions and General	Machine weight	t	41		42		
	Machine dimensions [L×W×H]	m	11.0×2.5×2.5		11.2×2.5×2.5		
	Hydraulic oil reservoir	L	1360				
	Hopper capacity	L	170 [optional]				

■ Block System



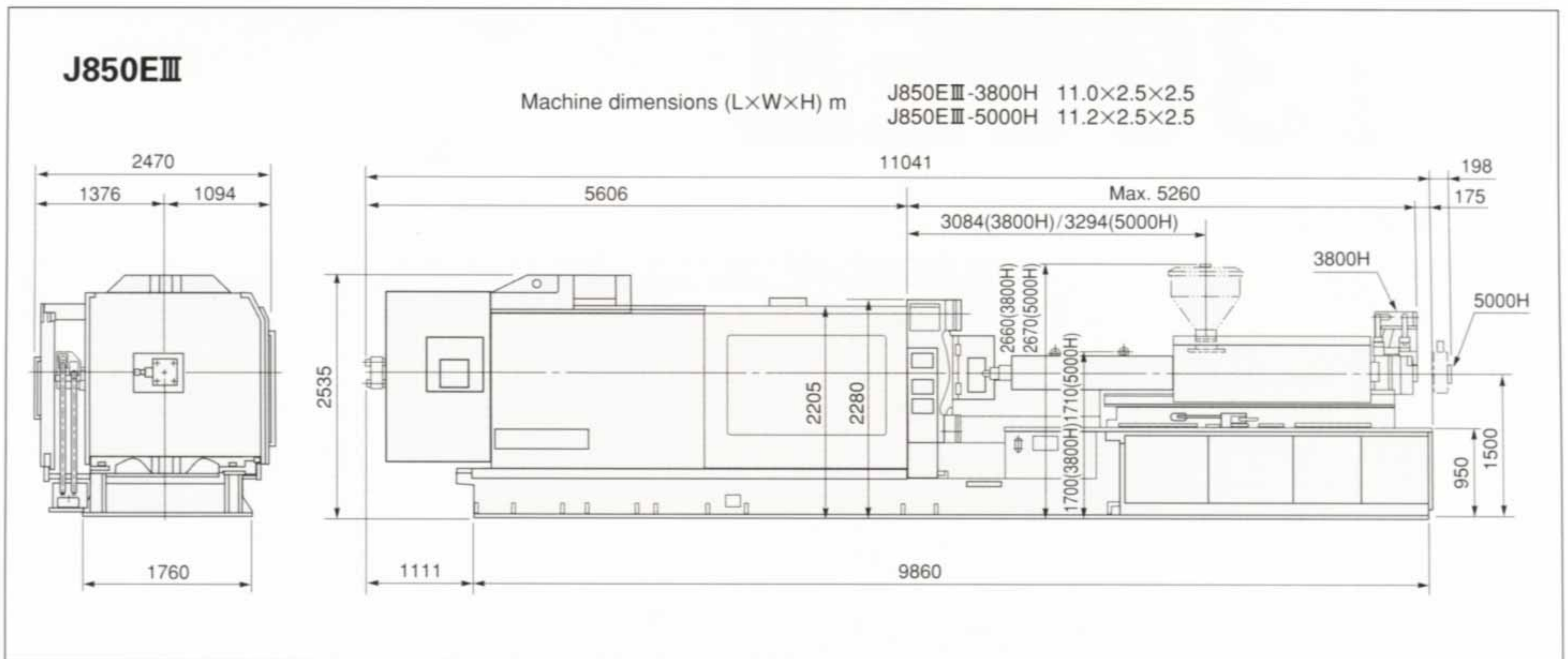
Remarks:

- 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



Mold Dimensions and Relative Equipment

