

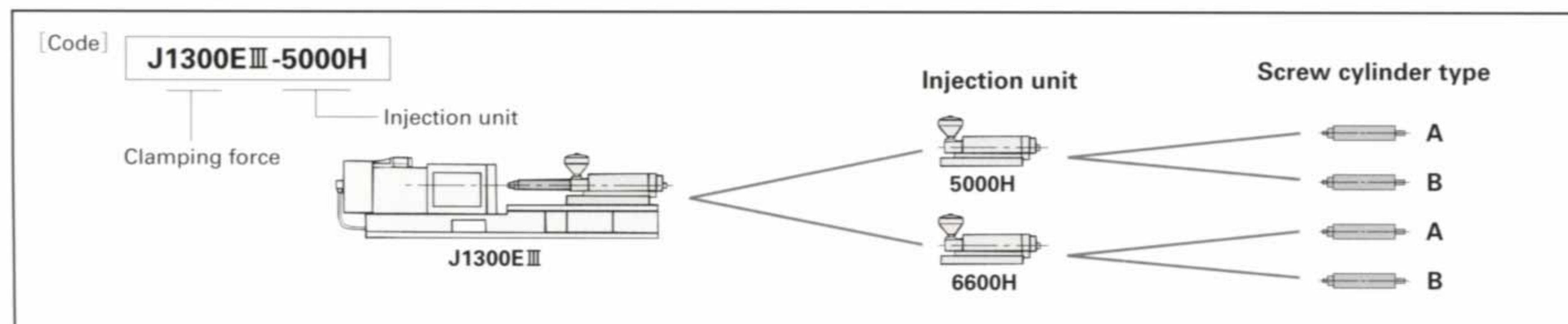
# Large Size Injection Molding Machine

# J1300EIII

## ■ Specifications

Item		Injection unit	5000H		6600H		
Injection Unit	Screw cylinder type		A	B	A	B	
	Screw diameter	mm	110	120	120	130	
	Injection pressure	MPa {kgf/cm <sup>2</sup> }	169 {1720}	142 {1440}	167 {1700}	143 {1450}	
	Theoretical injection capacity	cm <sup>3</sup>	5034	5991	6556	7694	
	Injection capacity [GP-PS]	g	4581	5452	5966	7002	
	Injection rate	cm <sup>3</sup> /s	849 (708)	1010 (842)	855 (713)	1003 (836)	
	Plasticizing rate [GP-PS]	kg/h	580 (483)	530 (442)	570 (475)	590 (492)	
	Screw speed	High torque [Max.]	min <sup>-1</sup>	70/90 (63/83)		60/70 (50/58)	
		Low torque [Max.]	min <sup>-1</sup>	140 (125)		90 (75)	
	Screw stroke	mm	530		580		
	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}	12800 {1300}				
	Daylight opening [Max.]	mm	2800				
	Opening stroke [Max.]	mm	1500				
	Mold height	mm	650~1300				
	Distance between tie-bars [H×V]	mm	1315×1270				
	Platen size [H×V]	mm	1915×1890				
	Hydraulic ejector		Cross line [29 points]				
	Ejector force / stroke	kN {tf}/mm	354 {36} / 250				
	Mold closing / opening speed	m/min	43-47 (36-39)				
Electrical Equipment	Pump driving motor	kW	105				
	Heater wattage	kW	43.15		48.45		
	Mold height adjusting motor	kW	7.5				
	Total power capacity	kW	150		155		
Machine Dimensions and General	Machine weight	t	67		68		
	Machine dimensions [L×W×H]	m	12.6×2.9×2.9		13.0×2.9×2.9		
	Hydraulic oil reservoir	L	1700				
	Hopper capacity	L	170 [optional]		340 [optional]		

## ■ Block System



### Remarks:

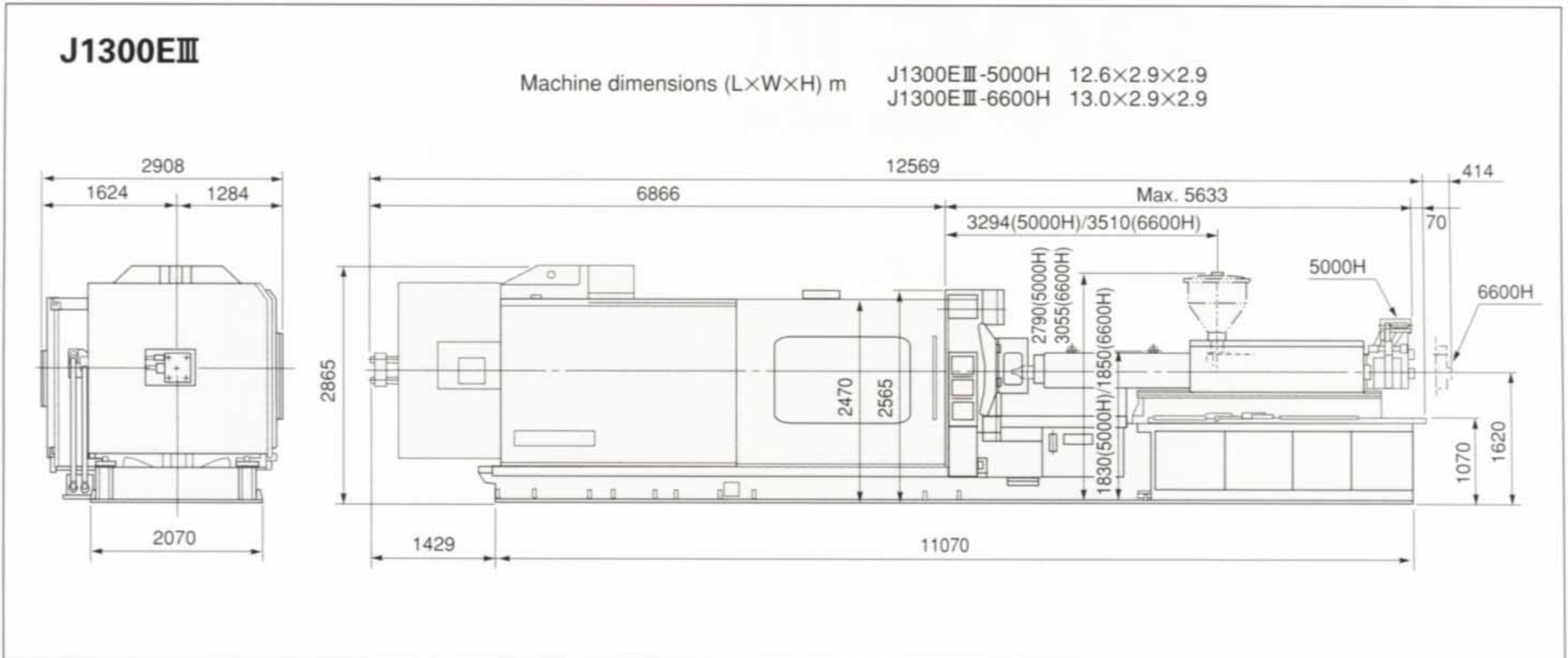
- 1) The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
- 2) The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- 3) The plasticizing rate is applicable for GP-PS.
- 4) The total power capacity 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/cm<sup>2</sup>, 1kN=0.102tf



## Machine Dimensions



## Mold Dimensions and Relative Equipment

