

# Small & Medium Size Injection Molding Machine

# J220EIII / J220EIII-P

## ■ Specifications

Item		Grade	J220EIII			J220EIII-P			
Injection Unit	Screw cylinder type		K (optional)	A	B	K (optional)	A	B	
	Screw diameter	mm	46	53	58	46	53	58	
	Injection pressure	MPa {kgf/cm <sup>2</sup> }	238 {2420}	180 {1830}	150 {1520}	238 {2420}	180 {1830}	150 {1520}	
	Theoretical injection capacity	cm <sup>3</sup>	349	463	555	349	463	555	
	Injection capacity 【GP-PS】	g	318	421	505	318	421	505	
	Injection rate	cm <sup>3</sup> /s	188 (157)	249 (207)	299 (249)	465	618	740	
	Plasticizing rate 【GP-PS】	kg/h	115 (95)	163 (136)	197 (164)	138 (115)	196 (163)	236 (196)	
	Screw speeds	High torque [Max.]	min <sup>-1</sup>	155 (129)			185 (154)		
		Low torque [Max.]	min <sup>-1</sup>	250 (208)			300 (250)		
	Screw stroke	mm	210			210			
	Nozzle stroke from platen	mm	50			50			
	Type of nozzle		Open nozzle			Open nozzle			
	Cylinder temperature control		Cylinder 4, nozzle 1			Cylinder 4, nozzle 1			
Clamping Unit	Mechanism		Double toggle			Double toggle			
	Clamping force	kN (tf)	2160 {220}			2160 {220}			
	Daylight opening [Max.]	mm	1050			1050			
	Opening stroke [Max.]	mm	550			550			
	Mold height	mm	230~500			230~500			
	Distance between tie-bars [H×V]	mm	580×580			580×580			
	Platen size [H×V]	mm	840×840			840×840			
	Hydraulic ejector	mm	Cross line [9 points]			Cross line [9 points]			
	Ejector force / stroke	kN (tf) / mm	42.8 {4.4} / 130			42.8 {4.4} / 130			
	Mold closing / opening speeds	m/min	54-43 (45-36)			67-53 (56-44)			
Electrical Equipment	Pump driving motor	kW	30			37			
	Heater wattage	kW	18.1			18.1			
	Mold height adjusting motor	kW	0.75			0.75			
	Total power capacity	kW	48.6			55.6			
Machine Dimensions and General	Machine weight	t	9.7			10.1			
	Machine dimensions [L×W×H]	m	6.14×1.41×2.14			6.14×1.50×2.14			
	Hydraulic oil reservoir	L	430			430			
	Hopper capacity	L	50 [optional]			50 [optional]			

### Remarks:

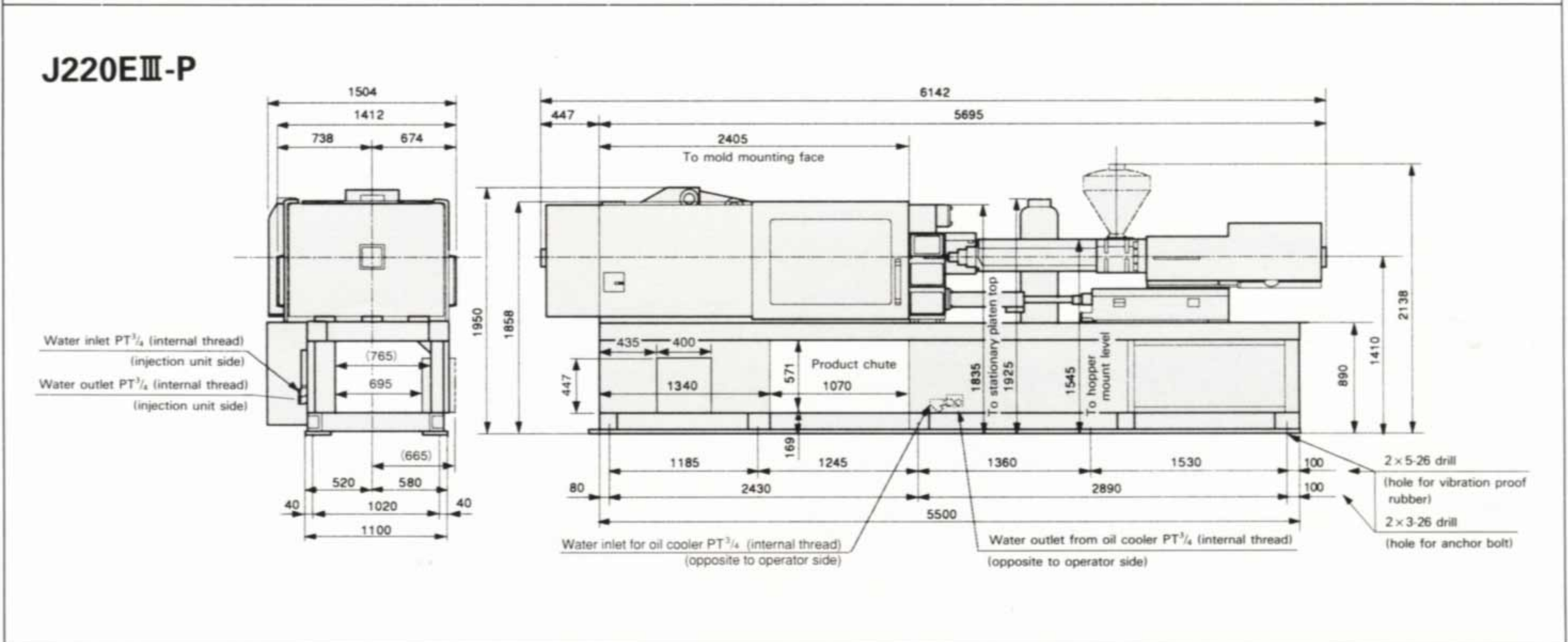
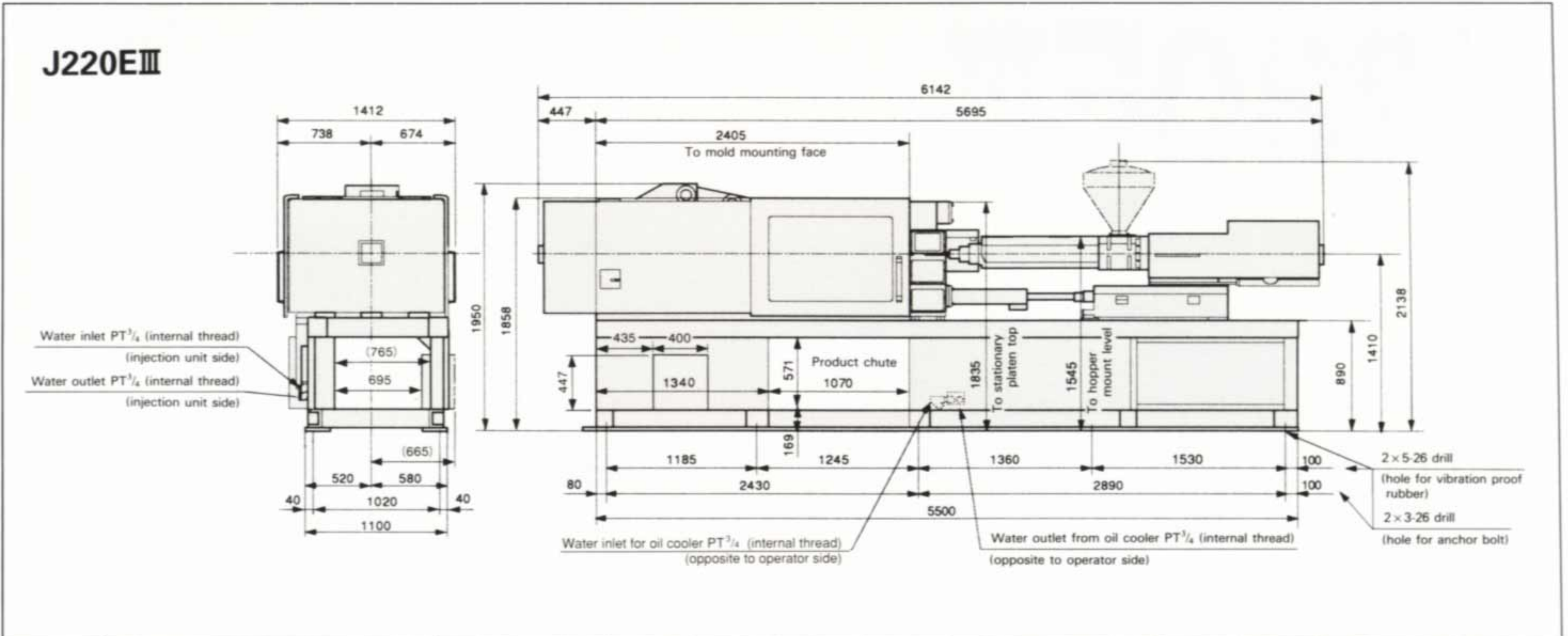
- 1) The theoretical injection capacity is cross sectional area of cylinder × stroke of screw.
- 2) The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- 3) The plasticizing rate is applicable for GP-PS.
- 4) The total power capacity 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

Figures in ( ) are the measurements when the transformer is moved for other equipment.



# Mold Dimensions and Relative Equipment

