

α-S130iA Mechanical specifications



Clamping unit			
Clamping mechanism	Double toggle ●		
Tonnage [kN tonf]	1300 130		
Maximum and minimum mold height [mm]	570-200 (670-200)		
Clamping stroke [mm]	400		
Locating ring diameter [mm]	Ø 125		
Tie bar spacing, H×V [mm]	530 × 530		
Platen size, H×V [mm]	730 × 730		
Minimum mold size, H×V [mm] *1	300 × 300		
Ejector stroke [mm]	100		
Maximum ejector force [kN tonf]	25 2.5		
Injection unit			
Screw diameter [mm]	32	36	40 *6
Injection stroke [mm]	128	144	144
Max. injection volume [cm ³]	103	147	181
Nozzle touch force [kN tonf]	15 1.5		
Max. Injection Speed mm/s *3	200		
Max. injection pressure [MPa] *2	220	190	160
Max. pack pressure [MPa] *2	200	170	140
Max. injection rate [cm ³ /s] *3	160	203	251
Max. screw rotation speed [min ⁻¹]	300		
Machine weight [t] *4	≈ 4.9		
Screw and Barrel			
Number of heater [Barrel]	3		
Number of heater [Nozzle]	1		
Total heater wattage [kW]	8.4	9.1	9.9

● standard - not available () with hardware and/or software option

*1) Smaller mold than this size may limit clamp force.

*2) The maximum injection pressure and maximum pack pressure is not melt pressure but injection unit output.

- The maximum injection pressure and maximum pack pressure is the maximum value can be set.
- The maximum injection pressure and maximum pack pressure might be limited depending on the molding condition.

*3) Maximum injection rate and maximum injection speed is a theoretical value.

- Maximum injection rate and maximum injection speed can not be guaranteed when the injection pressure is maximum.

*4) The machine without option.

*5) The pressure conversion is 1MPa=10kgf/cm².

*6) The molding condition might be limited by the resin.[Contact sales for detail]

α-S130iA Dimensions

