

α-S130iA Mechanical specifications



Clamping unit					
Clamping mechanism	Double toggle ●				
Tonnage [kN tonf]	1300 130				
Maximum and minimum mould 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 mould size, H×V [mm] *1	300 × 300				
Ejector stroke [mm]	100				
Maximum ejector force [kN tonf]	Standard 25 (2.5tonf) / Increased 60 (6.0tonf) (Option)				
Injection unit					
Screw diameter [mm]	26*7	28*7	32*7	36*7	40*7
Injection stroke [mm]	95	95	128	144	144
Max. injection volume [cm ³]	50	58	103	147	181
Nozzle touch force [kN tonf]	15 1.5				
Max. Injection Speed mm/s *4					
	200				
Max. injection pressure [MPa] *3	260	240	220	190	160*8
Max. pack pressure [MPa] *3	260	220	200	170	140*8
Max. injection rate [cm ³ /s] *4	106	123	160	203	251
Max. screw rotation speed [min ⁻¹]	300				
Max. Injection Speed mm/s *4					
	330				
Max. injection pressure [MPa] *2*3 <small>(High pressure filling mode)</small>	340	320	270	220	-
Max. injection pressure [MPa] *3	260	240	220	190	160*8
Max. pack pressure [MPa] *3	260	220	200	170	140*8
Max. injection rate [cm ³ /s] *4	175	203	265	335	414
Max. screw rotation speed [min ⁻¹]	450				
Machine weight [t] *4	Inj.speed 200mm/s 4.9 (Approximately) - Inj.speed 330mm/s 4.9 (Approximately)				
Screw and Barrel					
Number of heater [Barrel]	3				
Number of heater [Nozzle]	1				
Total heater wattage [kW]	6.5	7.2	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 setting at high pressure filling mode option.

- There is a limitation in injection time setting and pack time setting, when high pressure filling mode option is selected.
[Contact sales for detail]

- High pressure resistance barrel and nozzle are necessary, when high pressure filling option is selected.[Contact sales for detail]

*3) 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.

*4) 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.

*5) The machine without option.

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

*7) After shipment, the machine equipped with screw diameter φ26-φ28mm cannot install φ32-φ40mm. After shipment, the machine equipped with screw diameter φ32-φ40mm cannot

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

α-S130iA Dimensions

