

α -S220iA Mechanical specifications



Clamping unit			
Clamping mechanism	Double toggle		
Tonnage [kN tonf]	● 2200 220		
Maximum and minimum mold height [mm]	650-250 (750-250)		
Clamping stroke [mm]	550		
Locating ring diameter [mm]	Ø 160		
Tie bar spacing, H×V [mm]	650 × 650		
Platen size, H×V [mm]	900 × 900		
Minimum mold size, H×V [mm] *1	375 × 375		
Ejector stroke [mm]	150		
Maximum ejector force [kN tonf]	35 3.5		
Injection unit			
Screw diameter [mm]	44	48	52*6
Injection stroke [mm]	176	176	208
Max. injection volume [cm ³]	268	318	442
Nozzle touch force [kN tonf]	30 3.0		
Max. Injection Speed mm/s *3	200		
Max. injection pressure [MPa] *2	220	190	160
Max. pack pressure [MPa] *2	190	160	130
Max. injection rate [cm ³ /s] *3	304	361	424
Max. screw rotation speed [min ⁻¹]	300		
Machine weight [t] *4	≈ 10.8		
Screw and Barrel			
Number of heater [Barrel]	3		
Number of heater [Nozzle]	1		
Total heater wattage [kW]	15.9	17.9	20.2

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

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

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

- Can not be guaranteed when the injection pressure is maximum.

*3) 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]

*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-S220iA Dimensions

