

Mechanical specifications

Item		Unit	Data		
Clamping unit	Clamping mechanism	---	Double toggle		
	Tonnage	kN	150 (15tonf)		
	Maximum and minimum die height	mm	Double platen 260 - 130		
	Clamping stroke	mm	160		
	Locating ring diameter	mm	φ60		
	Tie bar spacing (H×V)	mm	260 × 235		
	Platen size (H×V)	mm	355 × 340		
	Minimum mold size (H×V) *1	mm	150 × 135		
	Maximum mold weight (Moving-Stationary) *2	kg	Double platen 60 - 60		
	Ejector stroke	mm	50		
	Maximum ejector force	kN	7 (0.7tonf)		
Injection unit	Screw diameter	mm	14	16	18
	Injection stroke	mm	56	56	75
	Maximum injection volume *3	cm³	9	11	19
	Inj.speed 800mm/s	Max. inj. prs.(W/C) *4 *6	MPa	250	230
		Max. inj. prs.(General Purpose) *4 *7	MPa	250	230
		Maximum injection rate *5	cm³/s	123	203
		Maximum injection speed *5	mm/s	800	
		Maximum screw rotation speed	min ⁻¹	450	
	Nozzle touch force		kN	5 (0.5tonf)	
	Screw & Barrel	Number of pyrometers	Barrel	3	
			Nozzle	1	
		Total heater wattage	kW	2.5	3.2
	Machine Weight *8		t	Inj.speed 800mm/s Approx. 1.5	

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

*2 If the weight of a mold exceeds maximum mold weight, the molding condition may be limited.

*3 The maximum injection volume is a calculated value. (Cross-sectional area x injection stroke)

*4 Maximum pack pressure is equal to maximum injection pressure. Maximum injection pressure and maximum pack pressure are the output of the injection unit, not the resin pressure. Maximum injection pressure and maximum pack pressure are the maximum values that can be set.

*5 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.

*6 Maximum injection pressure(W/C) are the values when the wear-resistant and anti-corrosion Barrel etc. is installed. Maximum injection pressure and maximum pack pressure may vary depends on the installed screw and Barrel specifications.

*7 Maximum injection pressure (General Purpose) are the values when the general purpose Barrel etc. is installed. Maximum injection pressure and maximum pack pressure may vary depends on the installed screw and Barrel specifications.

*8 The machine weight is the value when the option is not installed. Total weight may vary depending on equipment.

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

*10 The molding condition might be limited by the resin.(Contact sales for detail)

*11 In case of the replacement to different screw diameter after shipment, some covers may be needed to replace. (Contact sales for

Installation conditions

Item		Data
Input power source		3-phase AC200V±10% 50/60Hz±1Hz 3-phase AC220V±10% 60Hz±1Hz
Main breaker *12	Inj.speed 800mm/s	100A (With peripheral devices) *13 50A (With no peripheral device) *13
Ground		Follow relevant laws and standards of the country where the machine is installed when performing grounding.
Installing environment	Temperature	0~40℃ (20~25℃ recommended)
	Humidity	Below 75% (Below 95% under short term operation)
	Vibration	Below 0.5G
	Atmosphere	Take care of corrosive gas.

*12 Connect power cable to the machine's main breaker directly. The breaker is ground fault type with 100mA of sensitivity.

*13 With peripheral devices : When the molding machine equipped "External outlet", "Mold heater controller" or "Integrated hotrunner controller". ("Mold heater controller" and "Intefrated hotrunner controller" cannot be selected simultaneously.)
With no peripheral device : When only the molding machine is used.

*14 Please contact sales for details about the value of sound generated in this machine.

All specifications are subject to change without notice.

FANUC ROBOSHOT α -S15iB

