

Si-200-6S Specifications

Injection	Screw diameter	in(mm)	1.10(28)	1.25(32)	1.41(36)	1.57(40)	1.81(46)	1.57(40)	1.81(46)	1.96(50)	2.16(55)	
	Injection stroke	in	4.40	5.03	5.66	6.29	6.29	6.29	7.24	7.87	8.66	
	Theoretical injection capacity	in ³	4.21	6.28	8.97	12.26	16.23	12.26	18.67	23.98	31.85	
	Injection capacity (PS)	oz	2.31	3.45	4.92	6.73	8.91	6.73	10.25	13.16	17.49	
	Standard	Injection unit	—	F75EU				H300EU				
		Injection rate	in ³ /s	5.61	7.38	9.33	11.47	—	16.11	21.29	25.14	30.45
		Max. injection speed	in/s	5.90				—	8.26			
		Max. injection pressure	psi	39890	34230	27850	22770	—	35390	31330	27130	22770
		Max. injection holding pressure	psi	39890	31330	24950	20020	—	35390	28430	24220	20020
	High-pressure	Injection unit	—	F200EU				H370EU				
		Injection rate	in ³ /s	—	10.31	13.05	16.11	21.29	15.31	20.25	23.98	28.98
		Max. injection speed	in/s	—	8.26				7.87			
		Max. injection pressure	psi	—	38290	36260	31330	24220	35390	33800	34090	28430
		Max. injection holding pressure	psi	—	38290	36260	27130	21320	35390	33800	31330	25670
	High-speed	Injection unit	—	F200HEU				H450EU				
		Injection rate	in ³ /s	11.28	14.70	18.61	23.00	—	23.00	30.45	35.94	43.50
		Max. injection speed	in/s	11.81				—	11.81			
		Max. injection pressure	psi	39890	36260	28430	23500	—	35390	31330	27130	22770
		Max. injection holding pressure	psi	39890	32780	25670	20740	—	35390	28430	24220	20020
	Ultrahigh-speed	Injection unit	—	FH400EU				—				
Injection rate		in ³ /s	—	19.64	24.83	30.69	40.58	—				
Max. injection speed		in/s	—	15.74				—				
Max. injection pressure		psi	—	38290	36260	31330	24220	—				
Max. injection holding pressure		psi	—	38290	36260	27130	21320	—				
Recovery rate (PS)	oz/s	0.40	0.60	0.87	1.10	1.68	0.95	1.53	1.95	2.22		
Screw revolution speed	min ⁻¹	350					300					
Heater capacity	kW	5.50	5.85	6.50	7.95	11.20	7.95	11.20	13.50	16.70		
Nozzle pressing force	U.S ton	2.75					3.3					
Clamping	Clamping system	—	Double toggle									
	Clamping force	U.S ton	200									
	Clamping stroke	in	18.50									
	Min. mold height	in	7.87									
	Max. mold height	in	23.62									
	Tie bar clearance (H×V)	in	22.04×22.04									
	Die plate size (H×V)	in	30.70×30.70									
	Ejector force	U.S ton	3.85									
	Ejector stroke	in	4.72									
Others	Mold height motor output	kW	0.2									
	Nozzle touch motor output	kW	0.2									
	Machine dimension <L> ():FH400EU	in	206.53	206.53	206.53	206.53	210.56 (211.37)	220.35	227.16	229.92	236.77	
	Machine dimensions <W×H>	in	53.14×71.06					54.29×71.06				
	Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz ※2									
	Main breaker capacity 200V Class【400V Class ※1】	A	F75E:100【50】 F200E/F200HE:125【75】 FH400E:200【100】					H300E:200【100】 H370E/H450E:200【125】				
	Total electric capacity	kVA	F75E:25 F200E:32 F200HE:30 FH400E:51					H300E:47 H370E/H450E:55				
	Cable size 200V Class 【400V Class ※1】	in ²	F75E:0.03【0.01】 F200E/F200HE:0.05【0.02】 FH400E:0.09【0.05】					H300E:0.09【0.03】 H370E/H450E:0.15【0.05】				
	Machine weight	U.S ton	7.7									

NOTES

- The figures are subject to change without any legal obligation on the part of the manufacture.
 - The maximum injecting pressure and the maximum holding pressure are attainable maximum set values. There values may be limited by molding conditions and cycle time.
 - The injection rate and the maximum injecting speed are calculated values.
These values may be limited by set injecting pressures.
 - When a screw with wide diameter is used, some resins may not be accepted.
 - When the machine is attached with an option, the capacity of the breaker may be changed.
 - Figures in [] are optional.
 - Three insulated cables with a rated temperature of 140°F are required.
The cable size is calculated on the condition that ambient temperature is 86°F and metallic conduit work is made.
 - ※1 A transformer (option) is necessary on the machine side.
 - ※2 Use the machine with the maximum voltage of 230V in 60Hz.
It is out of the warranty scope if the electric system is damaged due to the power exceeding above-stated voltage at any time.
- The highlighted specifications are recommended injection units.

