

Si-150-6S Specifications

Screw diameter	in(mm)	0.94 (24)	1.10(28)	1.25(32)	1.10(28)	1.25(32)	1.41 (36)	1.57 (40)	1.81 (46)		
Injection stroke	in	3.77	4.40	4.40	4.40	5.03	5.66	6.29	6.29		
Theoretical injection capacity	in ³	2.62	4.21	5.49	4.21	6.28	8.97	12.26	16.23		
Injection capacity (PS)	oz	1.44	2.31	3.01	2.31	3.45	4.92	6.73	8.91		
Injection	Standard	Injection unit	—			F75EU				—	
		Injection rate	in ³ /s	—			5.61	7.38	9.33	11.47	—
		Max. injection speed	in/s	—			5.90				—
		Max. injection pressure	psi	—			39890	34230	27850	22770	—
		Max. injection holding pressure	psi	—			39890	31330	24950	20020	—
	High-pressure	Injection unit	D150EU			—	F200EU				
		Injection rate	in ³ /s	8.29	11.28	14.70	—	10.31	13.05	16.11	21.29
		Max. injection speed	in/s	11.81			—	8.26			
		Max. injection pressure	psi	39890	34230	26400	—	38290	36260	31330	24220
	High-speed	Max. injection holding pressure	psi	39890	25670	21320	—	38290	36260	27130	21320
		Injection unit	DH300EU			F200HEU				—	
		Injection rate	in ³ /s	13.79	18.79	24.53	11.28	14.70	18.61	23.00	—
		Max. injection speed	in/s	19.68			11.81				—
	Ultrain-high-speed	Max. injection pressure	psi	39890	34230	26400	39890	36260	28430	23500	—
		Max. injection holding pressure	psi	39890	25670	21320	39890	32780	25670	20740	—
		Injection unit	—			FH400EU				—	
Injection rate		in ³ /s	—			—	19.64	24.83	30.69	40.58	
Others	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	0.24	0.40	0.60	0.40	0.60	0.87	1.10	1.68	
	Screw revolution speed	min ⁻¹	350							—	
	Heater capacity	kW	3.45	5.50	5.85	5.50	5.85	6.50	7.95	11.20	
	Nozzle pressing force	U.S ton	2.20			2.75					
	Clamping	Clamping system	Double toggle								
		Clamping force	U.S ton	150							
		Clamping stroke	in	15.74							
Min. mold height		in	5.90								
Max. mold height		in	21.65								
Tie bar clearance (H×V)		in	20.07×20.07								
Die plate size (H×V)		in	27.16×27.16								
Ejector force		U.S ton	3.85								
Ejector stroke		in	3.93								
Mold height motor output		kW	0.2								
Nozzle touch motor output	kW	0.2									
Machine dimension <L>	in	178.93	178.93	178.93	181.65	185.62 (187.59)	188.89 (190.86)	193.52 (195.51)	200.33 (202.32)		
Machine dimensions <W×H>	in	49.8×68.26			49.8×68.26 (50.66×68.26)						
Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz ※2									
Main breaker capacity 200V Class [400V Class ※1]	A	D150EU:100 [50] DH300EU:150 [75]			F75EU:100 [50] F200EU/F200HEU:125 [75] FH400EU:200 [100]						
Total electric capacity	kVA	D150EU:23 DH300EU:39			F75EU:25 F200EU:32 F200HEU:30 FH400EU:51						
Cable size 200V Class [400V Class ※1]	in ²	D150EU:0.03 [0.01] DH300EU:0.09 [0.03]			F75EU:0.03 [0.01] F200EU/F200HEU:0.05 [0.02] FH400EU:0.09 [0.05]						
Machine weight	U.S ton	5.5			6.1						

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.
- The total electric capacity is calculated based on the maximum performance of the drive unit.
- The operating conditions of the injection unit may reduce the total electric capacity.
- ※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.

