



Product Catalogue of SSF1180-K5 Plastic Injection Molding Machine

1. Parameters

Items	Parameter	Unit	Parameter Value (SSF1180-K5)		
			A	B	C
Injection Unit	Screw diameter	mm	35	38	42
	Screw L/D ratio	L/D	22	20.2	18.4
	shot volumn (theoretical)	Cm ³	163	192	235
	injection weight(PS)	g	148	175	213
	injection rate	g/s	89	105	128
	injection pressure	Mpa	219	186	152
	screw speed	rmp	210		
Clamping unit	clamp force	KN	1180		
	open stroke	mm	350		
	distance between tie bars (W*H)	mm	370*370		
	max mould thickness	mm	380		
	min mould thickness	mm	150		
	ejector stroke	mm	120		
	ejector force	KN	38		
	ejector number	PC	5		
	dia of mould location hole	mm	125		
Others	max pump pressure	Mpa	16		
	pump motor power	KW	13		
	heating power	KW	7.3		
	machine dimension	m	4.3*1.28*1.9		
	machine weight	T	3.4		
	oil tank capacity	L	230		

2. Main components

Controller	Techmation (Q7 with color screen)
Electric motor	Ningbo
Vane pump	Sunny
Direction valve	Taiwan Yuken
Proportioning valve	Taiwan Yuken
Five-star motor	China-Italy joint venture
Electronic ruler	America Fort(3pcs)
Contact device exchanges	Schneider France
Lubricate	Computer lubricate automatically
Airproof piece	Valque Japan DZ Taiwan
Stroke switch	Omron Japan

3. Picture(Machine overview)



4. Characteristics

- a) Colorful computer controller with optional languages;
- b) Chrome plated tie bars with double-cylinder balanced injection system;
- c) Auto lubrication system;
- d) Mould data memory system;
- e) Multi-stage pressure & speed injection;
- f) Back pressure adjustment device;
- g) Low pressure mold protection;
- h) Single hydraulic core pulling and inserting;
- i) Multiple hydraulic ejector knock-out;
- j) Mechanical, electrical safety device;
- k) Hydraulic pressure full proportional control;
- l) Automatic mould adjustment function;
- m) Five-point inward moving toggle system ensure high rigidity and precision for mold clamping and also reducing stress and stain effects;
- n) Oil pipelines are positioned for aesthetic appearance and easy for maintenance;
- o) The moving platen is fitted with adjustable slide support system to improve platen parallelism and provide better tie bar and mould protection and lengthen the working lifetime;
- p) Nozzle alignment is provided using a simple mechanism with fine adjustment for accurate centering;
- q) T-slot mold plate for easy mold installation.