



## Product Catalogue of SSF1480-K5 Plastic Injection Molding Machine

### 1. Parameters

Items	Parameter	Unit	Parameter Value (SSF1480-K5)		
			A	B	C
Injection Unit	Screw diameter	mm	38	42	45
	Screw L/D ratio	L/D	22.1	20	18.6
	shot volumn (theoretical)	Cm <sup>3</sup>	226	277	318
	injection weight(PS)	g	206	252	289
	injection rate	g/s	94	115	132
	injection pressure	Mpa	208	171	149
	screw speed	rmp	185		
Clamping unit	clamp force	KN	1480		
	open stroke	mm	380		
	distance between tie bars (W*H)	mm	410*410		
	max mould thickness	mm	450		
	min mould thickness	mm	160		
	ejector stroke	mm	120		
	ejector force	KN	50		
	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	9.3		
	machine dimension	m	4.5*1.35*1.9		
	machine weight	T	4		
	oil tank capacity	L	250		

## 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.