

Soft Start Pump Motor Controller

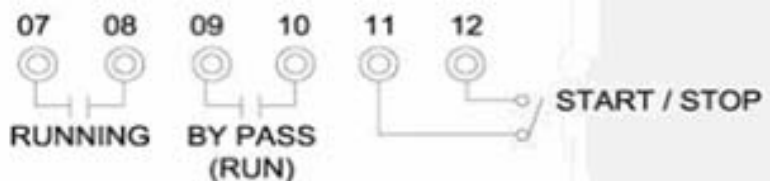


■ Function Introduction

- ◆ Time and torsion can be adjusted when starting to make starting smooth.
- ◆ A choice of 3 ways to start possible in one machine; the standard series has slope starting, current-limiting start, kick starting.
- ◆ Use SCR Control: no connecting points, arc light, smooth face or life limiting wear.
- ◆ Wiring easy: Installation of 3 in 3 out, save the cost of hand wiring.
- ◆ This controller has phases and 3 wire SCR to transform control of power.
- ◆ This Controller is Micro-Controller with the function of automatic light/heavy loading revision and turning moment control.
- ◆ Cooling fans enable temperature control, the cooling sheet working at 55°C, and stop at 45°C. This design can extend fan life 2-3times.
- ◆ This controller has CT electronic inspection protector: the standard series has protection for overload, loss phase, motor block, over heating, motor running idling(Low Load), high sensitivity, without heating effect, not influenced by the surrounding temperature.
- ◆ The machine has 3 sets output connection points: the standard series has output point starting bypass and output point for system abnormal.
- ◆ The machine has slow stop function for pump motor to create excellent water hammer removing function.
- ◆ This starter/starting tool complies with the specification of CE, IEC60947-4-2 standard.



AC1, AC2 : 220V±15%
OPEN :
NO, COM, NC : 240V / 10A



RUNNING : 240V/10A
BY PASS (RUN) :
START / STOP :

>>> **General Characteristic**

Main Power Voltage:

208/220/380/440/480 VAC±10%

Assistance Voltage: 220V±15%

Start Way: Dry Contact Point

Work Frequency: 50 ~ 60Hz±5%

Maximum Peak Voltage:

600V or 1200 ~ 1600V

Start Time(Speed Time): 1 ~ 40Sec.

Stop Time(Retard Time): 1 ~ 60Sec.

**Ambient Operating Temperature Range:-
10°C ~ 45°C**

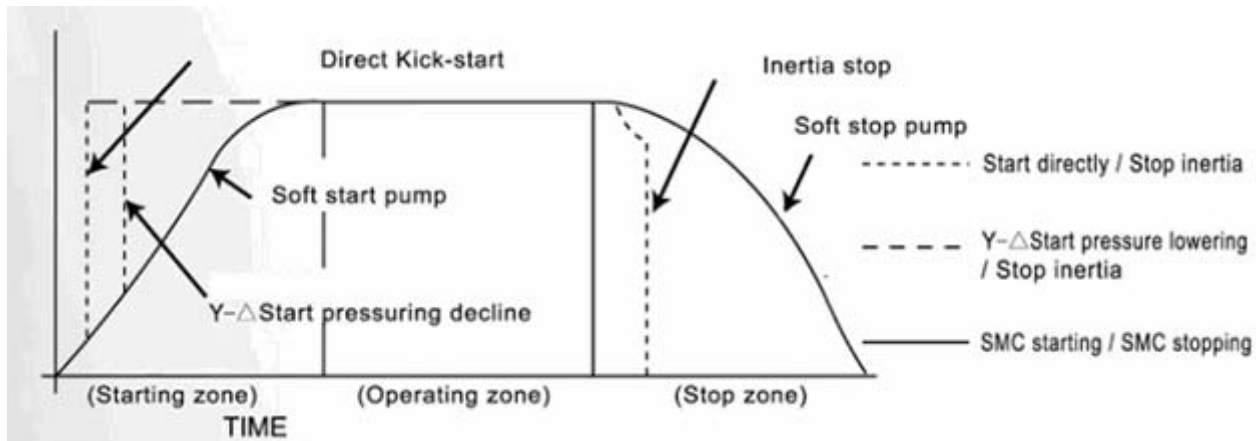
**Relative Humidity: 93%RH without dew
Height: Below 1000M**

>>> **Reference drawing of**

Torque and time



>>> **Diagram of Soft Pump Starting and Stopping**



SMC-P Standard Series

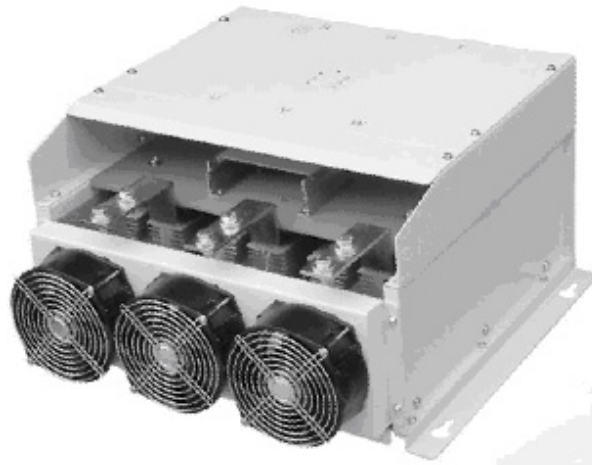
>>> Choice of Specification & Models



Rated Current	Rated Voltage						L (mm)	W (mm)	H (mm)
	208-220VAC	HP	380-440VAC	HP	460-480VAC	HP			
7A			SMC930030-P	3	SMC940050-P	5	210	142	154
10A	SMC920030-P	3	SMC930050-P	5	SMC940075-P	7.5	210	142	154
15A	SMC920050-P	5	SMC930075-P	7.5	SMC940100-P	10	210	142	154
22A	SMC920075-P	7.5	SMC930100-P	10	SMC940150-P	15	210	142	154
28A	SMC920100-P	10	SMC930150-P	15	SMC940200-P	20	210	142	154
35A			SMC930200-P	20	SMC940250-P	25	233	142	154
42A	SMC920150-P	15	SMC930250-P	25	SMC940300-P	30	233	142	154
55A	SMC920200-P	20	SMC930300-P	30	SMC940400-P	40	233	142	154
70A	SMC920250-P	25	SMC930400-P	40	SMC940500-P	50	283	142	154
82A	SMC920300-P	30	SMC930500-P	50	SMC940600-P	60	283	142	154
105A	SMC920400-P	40	SMC930600-P	60	SMC940750-P	75	283	142	154
135A	SMC920500-P	50	SMC930750-P	75	SMC941000-P	100	303	142	154
155A	SMC920600-P	60	SMC931000-P	100	SMC941250-P	125	303	142	154
185A	SMC920750-P	75	SMC931250-P	125	SMC941500-P	150	400	263	210
250A	SMC921000-P	100	SMC931500-P	150	SMC941750-P	175	400	263	210
280A			SMC931750-P	175	SMC942000-P	200	400	263	210
300A	SMC921250-P	125	SMC932000-P	200	SMC942500-P	250	527	306	244
360A	SMC921500-P	150	SMC932500-P	250	SMC943000-P	300	527	306	244
420A	SMC921750-P	175	SMC933000-P	300	SMC943500-P	350	527	306	244

SMC-P Standard Series

>>> Choice of Specification & Models



Rated Current	Rated Voltage			L (mm)	W (mm)	H (mm)
	208-220VAC	380-440VAC	460-480VAC			
560A	SMC920560A-P	SMC930560A-P	SMC940560A-P	536	660	305
620A	SMC920620A-P	SMC930620A-P	SMC940620A-P	536	660	305
750A	SMC920750A-P	SMC930750A-P	SMC940750A-P	536	660	305
930A	SMC920930A-P	SMC930930A-P	SMC940930A-P	536	660	305
1100A	SMC921100A-P	SMC931100A-P	SMC941100A-P	536	660	305