

iC5

Variable Frequency Drive

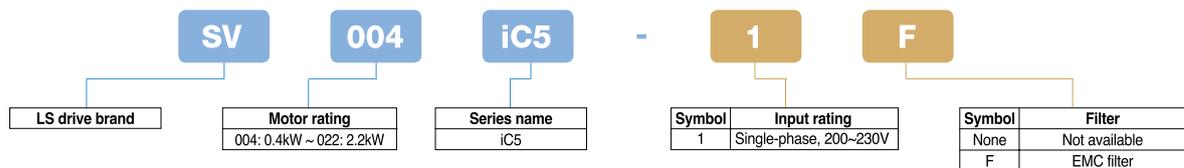
High torque micro VFD

1 phase 0.4~2.2kW(0.5~3HP), 200~230V



- EMC filter - class A (Built-in option)
- Selectable V/f, sensorless vector control
- Motor parameter Auto-tuning
- 150% torque at 0.5Hz
- 0.1 ~ 400Hz frequency output
- 1 ~ 15kHz carrier frequency
- 0 ~ 10Vdc analog input
- IP20 enclosure
- Selectable manual/automatic torque boost
- Built-in potentiometer
- Selectable PNP/NPN Input signal
- Fault history: Last 5 faults
- Enhanced process PID control
- Up-Down & 3-Wire operation
- Modbus RTU communication (optional)
- 8 programmable I/O
- Parameter copy unit
- Monitoring & commissioning PC based software tool (Drive View)

Model Number



General specification

Model number: SV□□□ iC5-□		004-1	008-1	015-1	022-1
Motor rating	[HP]	0.5	1	2	3
	[kW]	0.4	0.75	1.5	2.2
Output rating	Capacity [kVA]	0.95	1.9	3	4.5
	Current [A]	2.5	5	8	12
	Voltage [V]	Three-phase 200 ~ 230V			
	Frequency [Hz]	0.1 ~ 400Hz			
Input rating	Voltage [V]	Single-phase 200 ~ 230V (±10%)			
	Frequency [Hz]	50 ~ 60Hz (±5%)			
	Current [A]	5.5	9.2	16	21.6
Weight	[kg]	0.87	0.89	1.79	1.85
Control spec	Control method	V/f, Slip compensation, Sensorless vector			
	Speed reference resolution	Digital command: 0.01Hz / Analog reference: 0.06Hz (Max freq., 60Hz)			
	Frequency accuracy	Digital command: 0.01% of Max output freq. / Analog signal command of 0.1% of Max output freq.			
	V/f curve	Linear, Squared, User custom V/f			
	Overload capacity	150% for 1 minute, 200% for 30 seconds			
	Torque boost	Auto & manual torque boost			
Operation	Keypad display	3 digit, 7 segment LED			
	Operation method	Keypad / Terminal / Communication			
	Frequency setting	Analog: 0 to 10V / 4 to 20mA / Potentiometer / Digital: Keypad			
	Operation function	PID control / Up-Down operation / 3-Wire operation			
Input signal	Multi-function terminal (P1 ~ P5)	PNP / NPN selectable 5 points (programmable)			
	Output signal	Multi-function relay (N.O., N.C.) Less than AC 250V, 0.3A / Less than DC 30V 1A Multi-function open collector DC24V (less than 50mA) Analog output 0 to 10Vdc (less than 10mA): frequency / current / voltage / DC voltage selectable			
Protection	Drive trip	Over voltage / Low voltage / Over current / Ground fault / Drive overheat / Output phase open / Drive overload Overload trip / Communication error / Frequency command loss / Hardware fault / Fan fault / etc.			
	Drive alarm	Stall prevention, Overload			
Enclosure		IP20			
Option	Communication, copy unit	Modbus RTU, Parameter copy unit			