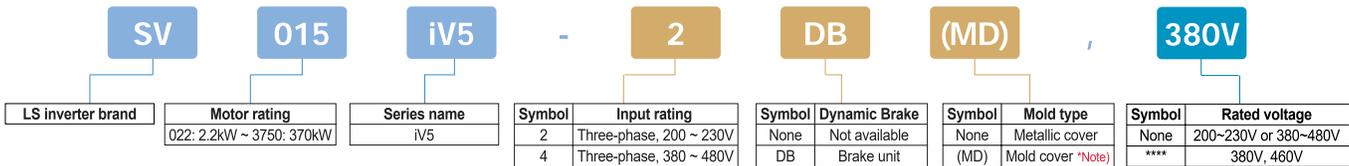




- High duty full flux vector control inverter
- Static motor parameter auto-tuning without disconnecting / motor coupling
- Operating with encoder, line drive/open collector type
- high torque at zero speed
- Position control by encoder feedback
- 1: 1000 speed control range
- 0.01% speed control accuracy
- Maximum 250% instantaneous torque
- Process PI, Draw, Droop control
- Smooth elevator control
- Optional plug-in encoder divider board
- Built-in braking circuit (up to 22kW)
- Plug-in type control terminals
- Extended I/O boards (optional)
 - EL I/O (I/O Interface Card for Elevator Application)
 - ENC_DIV (Encoder division board :Open Collector)
 - SYNC I/O (Speed / positioning board for Synchronization operation)
 - Sincos encoder signal input
- Monitoring & commissioning software (DriveView)

Inverter Model Number



General specification

Model number: SV		iV5-2		022	037	055	075	110	150	185	220	300	370
Motor rating		[HP]	3	5	7.5	10	15	20	25	30	40	50	50
		[kW]	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	37
Output rating	Capacity	[kVA]	4.5	6.1	9.1	12.2	17.5	22.5	28.2	33.1	46	55	55
	Current	[A]	12	16	24	32	46	59	74	88	122	146	146
	Voltage	[V]	Three-Phase 200 ~ 230V										
	RPM	[RPM]	0 ~ 3600 [RPM]										
Input rating	Voltage	[V]	Three-Phase 200 ~ 230V (+10%, -10%)										
	Frequency	[Hz]	50 ~ 60Hz (± 5%)										
Weight	Mold cover type	[kg]	6	6	7.7	7.7	13.7	13.7	20.3	20.3			
	Metallic cover type	[kg]			14	14	28	28	28	28	42	42	42

Model number: SV		iV5-4		022	037	055	075	110	150	185	220	300	370	450	550	750	900	1100	1320	1600	2200	2800	3150	3750		
Motor rating		[HP]	3	5	7.5	10	15	20	25	30	40	50	60	75	100	120	150	175	215	300	373	420	500	500		
		[kW]	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	220	280	315	375	375		
Output rating	Capacity	[kVA]	4.5	6.1	9.1	12.2	18.3	22.9	29.7	34.3	46	57	70	85	116	140	170	200	250	329	416	468	557	557		
	Current	[A]	6	8	12	16	24	30	39	45	61	75	91	110	152	183	223	264	325	432	546	614	731	731		
	Voltage	[V]	Three-Phase 380 ~ 480V											380V , 460V												
	RPM	[RPM]	0 ~ 3600 [RPM]																							
Input rating	Voltage	[V]	Three-Phase 380 ~ 480V (+10%, -10%)																							
	Frequency	[Hz]	50 ~ 60Hz (± 5%)																							
Weight	Mold cover type	[kg]	6	6	7.7	7.7	13.7	13.7	20.3	20.3																
	Metallic cover type	[kg]			14	14	28	28	28	28	42	42	63	63	68	98	98	112	112	175	243	380	380	380		

Control Spec	Control method	Vector
	Speed reference resolution	Digital command: ± 0.2% (25± 10°C) / Analog reference: ± 0.01 (0 ~ 40°C)
	Frequency accuracy	Digital command: 0.01% of Max output freq. / Analog signal command: ± 0.005% of Max output freq.
	Accel/Decel curve	Linear, S-Curve
	Accel/Decel torque accuracy	3%
	Accel/Decel torque time	0.00 ~ 6000.0 (Second)
	Keypad Display	LCD keypad
	Operation method	Keypad / Terminal / Communication operation
	Frequency setting	Analog: 0 to 10V / -10 to 10V / 0 to 20mA / Potentiometer / Digital: Keypad/ Option
	Operation function	PID control / Up-Down operation / 3-Wire operation
Input signal	Multi-function terminal (P1 ~ P7)	PNP / NPN selectable *Note) 7 points (programmable)
	Multi-function relay	Fault output & inverter status output (N.O., N.C.) Less than AC 250V, 0.3A / Less than DC 30V 1A
Output signal	Multi-function open collector	DC24V (less than 50mA)
	Analog output	-10 to 10Vdc (less than 10mA): frequency / current / voltage / DC voltage selectable
Protection	Inverter trip	Over voltage / Low voltage / Over current / Ground fault detection / Inverter overload / Overload trip / Inverter overheat / Output phase loss / Overload protection / Frequency command loss / Hardware fault/ Brake fault
	Inverter alarm	Overload
Option	Communication Board	Profibus, Modbus-RTU, DeviceNet Optional I/O Interface Card for Elevator Application, Encoder division card(open collector), Speed / positioning card for Synchronization operation, Sin/Cos Encoder Card

*Note) Available soon