

2 Technical Specifications

2.1 Input and Output Specifications 200 V Class (0.75–22 kW)

Model SV xxx iS7-2x			0008	0015	0022	0037	0055	0075	0110	0150	0185	0220
Applied Motor	Normal load	HP	2	3	5	7.5	10	15	20	25	30	40
		kW	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30
	Heavy load	HP	1	2	3	5	7.5	10	15	20	25	30
		kW	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22
Rated output	Rated Capacity (kVA)		1.9	3.0	4.5	6.1	9.1	12.2	17.5	22.9	28.2	33.5
	Rated Current (A)	Normal load	8	12	16	24	32	46	60	74	88	124
		Heavy load	5	8	12	16	24	32	46	60	74	88
	Output Frequency		0–400 Hz (Sensorless-1: 0–300 Hz, Sensorless-2, Vector: 0.1–120 Hz)									
	Output Voltage (V)		3-Phase 200–230 V									
Rated input	Working Voltage (V)		3-Phase 200–230 VAC (-15%–+10%)									
	Input Frequency		50–60 Hz (±5%)									
	Rated Current (A)	Normal load	6.8	10.6	14.9	21.3	28.6	41.2	54.7	69.7	82.9	116.1
		Heavy load	4.3	6.9	11.2	14.9	22.1	28.6	44.3	55.9	70.8	85.3

- Only the heavy duty ratings apply to model types without a built-in DC resistor (NON-DCR).
- The standard used for 200 V inverters is based on a 220 V supply voltage.
- The rated output current is limited based on the carrier frequency set at CON-04.
- The output frequency is limited to 0–300 Hz if DRV-09 (control mode) is set to “3 (Sensorless-1),” and to 0–120 Hz if DRV-09 (control mode) is set to “4 (Sensorless-3).”
- The maximum output voltage cannot exceed the input voltage of the power source.