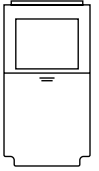


SD150

Simple operation.
Compact size.
Single phase applications.
Easy installation.



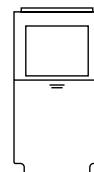


INPUT	Power range	0.4 kW - 2.2 kW
	Voltage power	200 to 230 Vac ($\pm 10\%$) Monophase
	Input frequency	50-60 Hz ($\pm 5\%$)
	Input power factor	> 0.98% (over fundamental frequency)
	Input EMC filter	Class 2 (Integrated)
OUTPUT	Motor output voltage	200 Vac - 230 Vac, Three phase
	Overload capacity	150% during 60 sec. 200% during 30 sec.
	Frequency ratings	0 to ± 400 Hz
	Efficiency (full load)	>98%
	Modulation method	Vector space modulation
	Modulation frequency	Maximum 15 kHz
	Output cable length	USC 50 m, SC 25 m ^[1]
	Control method	V/Hz control
ENVIRONMENTAL CONDITIONS	Operation method	PID Control. Potentiometer and 3 wires control
	Degree of protection	IP20
	Operation temperature	-10 °C to +50 °C
	Storage temperature	-20 °C to +65 °C
	Relative humidity	<90%, non-condensing
	Altitude	1000 m
	Power altitude derating (> 1000 m)	(>1000 m)-1% per 100 m; maximum 3000 m
PROTECTIONS	Vibration	Max. 5.9 m/sec ² (= 0.6 G)
	Drive trip	Over-voltage, Under-voltage, Over-current, Ground fault current detection, Over-temperature of inverter and motor, Output phase open, Overload, Communication error, Loss of frequency command, Hardware fault
INPUTS / OUTPUTS	Alarm condition	Stall prevention, Overload
	Analog inputs	1 input 0-10 Vdc / 0-20 mA
	Digital inputs	5 configurable inputs
	Analog outputs	1 output 0-10 Vdc
COMMUNICATIONS	Digital outputs	2 multifunction relay 2 A 30 Vdc, 0.5 A 125 Vac
	Protocol (Integrated)	Modbus-RTU, RS485
REGULATIONS	CE, cTick, UL ^[2] , cUL ^[2]	

NOTES

[1] For more detailed specifications consult with Power Electronics.

[2] On process.



DIMENSIONS



Frame	Model	Current (A)	Width W (mm)	Depth D (mm)	Height H (mm)	Weight (kg)
1	SD1503F	2.4	85	131	163	1.45
	SD1505F	4.2				
2	SD1508F	7.5	100	148	190	3.3
	SD1512F	10				

NOTES