SD150

The smallest of the family.

Suitable for low power applications.

200V - 230V

From 0.4kW
to 2.2kW

M
3~

Drive three-phase motors
with single-phase supply

Perfect for reduced spaces

Due to its simple operation and compact size is perfect for reduced spaces allowing the integration of multiple units in the same cubicle.

1 Compact and competitive

Compact and competitive equipment for multiple applications.

2 Easy installation

Two holes allow the user to screw the unit to a panel mounted in your cabinet. The rear cooling fans can be easily removed from the bottom, a book type design allows the user to install drives side by side saving space, and the front connections reduce wiring complexity.

3 Multiple I/O

Featured with 1 analogue input, 5 digital inputs, 1 analogue output, 1 digital output and 1 output relay that can be easily programmed to be connected to pressure transducers, level sensors, flow meters, PLCs o external controllers.

The digital signals can be easily shifted from NPN to PNP mode with a selector.

Modbus RTU integrated.

4 Single Phase Applications

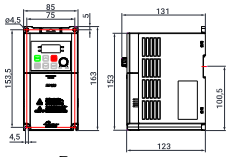
Its features cover a wide range of applications in motion drives and HVAC. Treadmills, automatic gates, irrigation pumps, clean water pumps, ornamental fountains and others are a small sample of what you can do with this small and competitive drive.

SD150

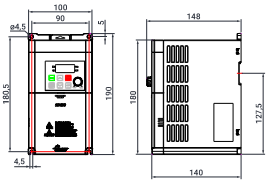
INPUT	Power range	0,4kW - 2,2kW
	Voltage power	200 to 230Vac (±10%) Monophase
	Input frequency	50~60Hz (±5%)
	Input power factor	> 0.98% (over fundamental frequency)
	Input EMC filter	Class 2 (Integrated)
OUTPUT	Motor output voltage	200Vac - 230Vac, Three phase
	Overload capacity	150% during 60 sec. 200% during 30 sec.
	Frequency ratings	0 to ±400Hz
	Efficiency (full load)	>98%
	Modulation method	Vector space modulation
	Modulation frequency	Maximum 15kHz
	Output cable length	USC 50m, SC 25m [1]
	Control method	V/Hz control
	Operation method	PID Control. Potentiometer and 3 wires control
ENVIRONMENTAL CONDITIONS	Degree of protection	IP20
	Operation temperature	-10°C to +50°C
	Storage temperature	-20°C to +65°C
	Relative humidity	<90%, non-condensing
	Altitude	1000m
	Power altitude derating (> 1000m)	(>1000m)-1% per 100m; maximum 3000m
	Vibration	Max. 5.9m/sec^2 (= 0.6G)
PROTECTIONS	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
	Alarm condition	Stall prevention, Overload
INPUTS/ OUTPUTS	Analogue inputs	1 input 0-10Vdc / 0-20mA
	Digital inputs	5 configurable inputs
	Analogue outputs	1 output 0-10Vdc
	Digital outputs	2 multifunction relay 2A 30Vdc, 0.5A 125Vac
COMMUNICATIONS	Protocol (Integrated)	Modbus-RTU, RS485
REGULATIONS	CE, cTick, UL[2], cUL[2]	

DIMENSIONS (mm)

FRAME 1



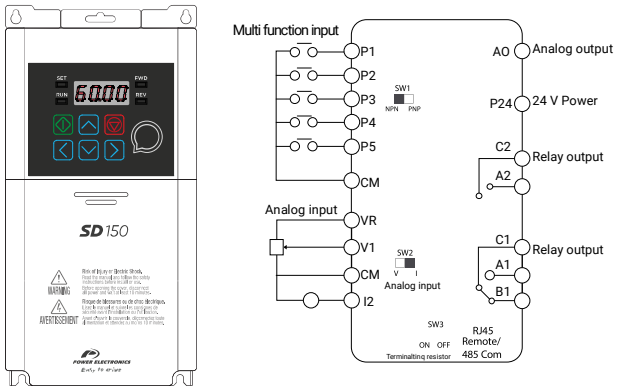
FRAME 2



[1] For more detailed specifications,consultar con Power Electronics.
[2] On process.

SD150

INPUT AND OUTPUT WIRING



STANDARD RATINGS AND WEIGHTS

		200Vac - 230Vac (±10%)			
Frame	Code	Power (kW)	Current (A)	Voltage Supply (V)	Weight (Kg)
1	SD1503F	0.4	2,4	230 II	1.45
	SD1505F	0.75	4,2	230 II	1.45
2	SD1508F	1.5	7,5	230 II	3.30
	SD1512F	2.2	10	230 II	3.30