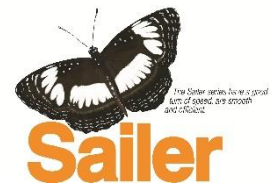


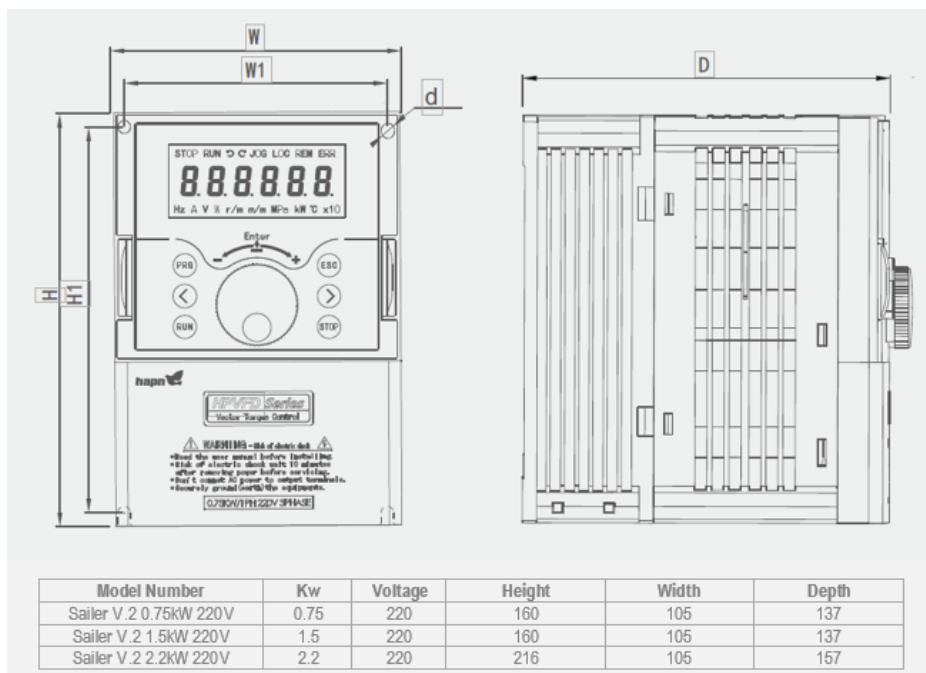
# SAFTRONICS SAILER V.2 AC DRIVE

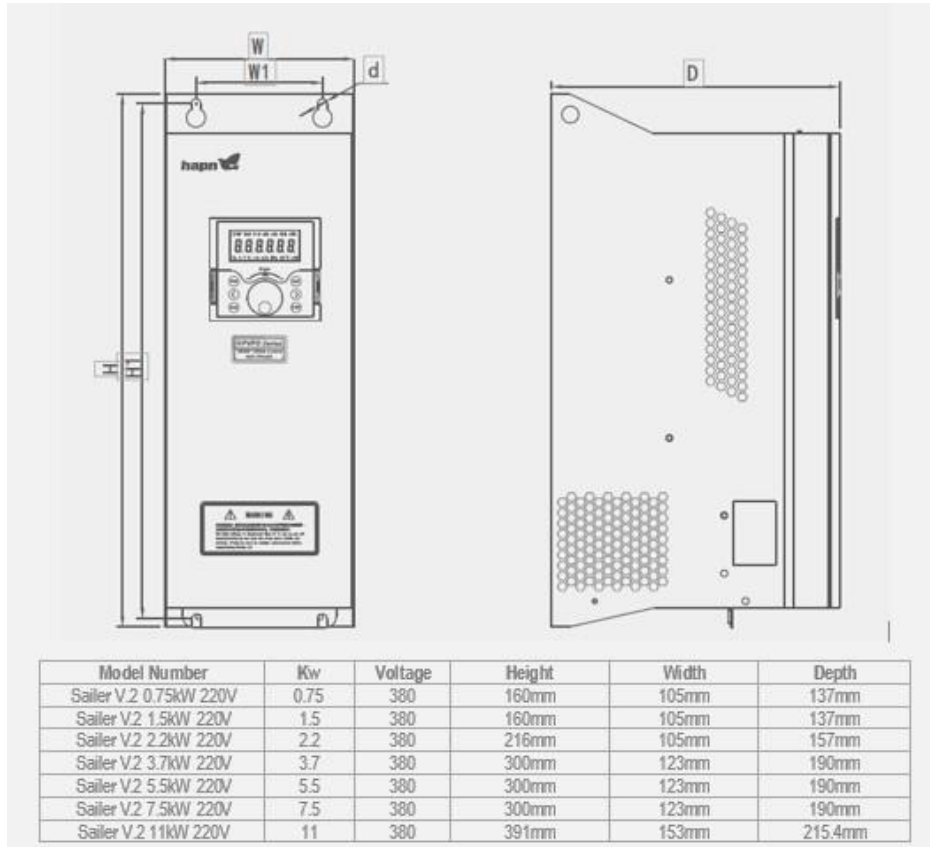
Supplied by Saftronics.



## Features

- VTC Current vector control algorithm can reach to high start torque and low stable torque.
- Sailer has combines the rich industrial application functions, so that it can realize all kinds of field control requirements.
- To design, test and produce converters in strict accordance with international standard, it is designed better in heat dissipation carrying capacity and electromagnetic compatibility.
- It provides Multi-Functional 8 period of digital input, 2 road analogue input, 2 road relay output and 2 road open collector input.
- All this configuration is RS485 serial communication interface. Products are using the standard Modbus communication protocol, and it is built-in input filter in 18.5-560kW.
- Sailer HPVFD series are provincial new products, its functions of energy-saving operation and automatic current limiting function can ensure normal operation.
- It is convenient to handle by LED and LCD interface, meanwhile, it is easy to debug with panels parameter copy function.
- With flame retardant and highly reliable main loop connection mode, all series products ensure its safety.





Item		Common Technical Standard
Output	Maximum Output Voltage	220V grade:220V (proportional to input voltage) 380V grade: 380V (proportional to input voltage)
	Maximum Output Voltage	400HZ can be obtained by programming
Input	Input voltage range	1AC 220V +/- 15% 3AC 220V +/-15% 3AC 380V +/- 15%
	Input Frequency range	47-63Hz
Controlling Feature	Control Method	VTC torque current vector control, SVPWM method
	Frequency control range	0.1 -400Hz
	Frequency precision	Digital instruction: +/- 0.01% (-10°C - 40°C) ; analog instruction: 0.1% (25°C+/- 10%)
	Frequency resolution	Digital instruction: +/- 0.01% (-10°C - 40°C); analogue instruction: Maximum output frequency: 1/1000
	Output frequency resolution	0.01Hz
	Frequency setting method	Control panel, controller, R485 communication setting
	Overload capability	Control torque(G): 150% rating output current for 1min.Variable torque(G): 120% rating output current for 1min.
	Frequency setting signal	0~ +/-10V(20Ω), 4-20Ma(250Ω), 0-20Ma(250Ω)
	Acceleration/deceleration time	Acceleration/deceleration time shall be set respectively, minimum setting 0.1s
Performance Protection	Motor overload protection	Electronic thermal over heat relay protection
	Instantaneous over current	About 250% rating current ac motor driver will be stopped
	Overload	150% rated current output after 1 min motor will be stopped
	Over Voltage	220V grade: the main circuit DC voltage is stopped when exceeds 440V:380V grade: the main circuit DC voltage is stopped when exceeds 380V
	Under Voltage	220V grade: main circuit DC voltage down to 200V or lower when stopped: 380V grade: main circuit DC Voltage down to 380V or lower when stopped
	Instantaneous power	Instant power off 15min or longer time to stop immediately (factory setting) according to standard setting, if the power off is shorter then 2 seconds operation will continue.
	Heat Radiator	Thermal resistance protection
	Speed Lose Protection	Speed loss protection acceleration, deceleration and constant speed operation
	Failure Compensation	Electronic Circuit Protection
Environment	Environment Temperature	-10°C - +45°C (no frozen)
	Humidity	90% RH or lower (no dewing, no water)
	Storage temperature	-20°C - +60°C (short time temperature in transportation)
	Operation place	Indoor (no corrosive gas, liquid, no dust)
	Height above sea-level	Don't exceed 1000m
	Vibration	20Hz and below: 9.8m/s (1G), 20-50Hz maximum: 2m/s 2 (0.2G)