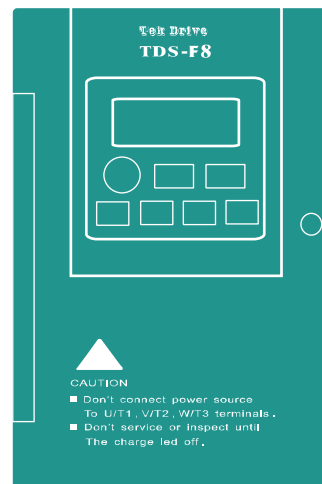




# Tek

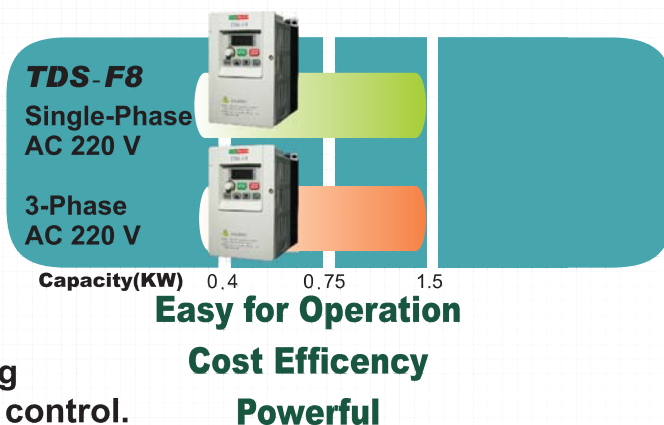


# AC MOTOR Drive

# TDS-F8 Series

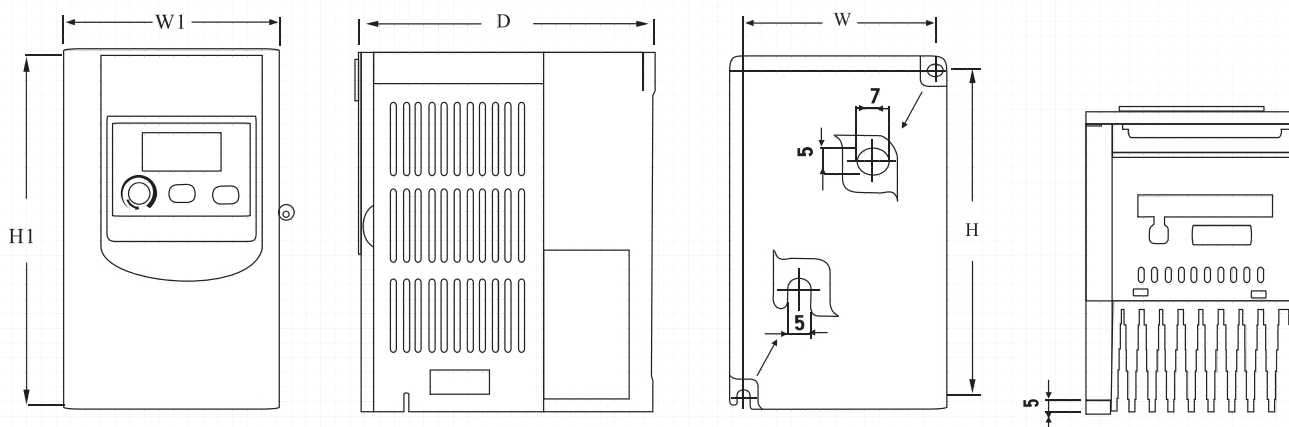
## Feature

- ◆ PWM control
- ◆ Built-in MODBUS RS-485
- ◆ Built-in PID Function
- ◆ 3 skip-Frequency setting
- ◆ 2 ACC/DEC Time S curve setting
- ◆ Simple PLC function remote control
- ◆ Pump control automatic energy saving
- ◆ Pressure setting & constant pressure control.



Input Voltage class		220V Single phase / 3-Phase		
Model		TDS-F8-L		
		0P4	0P7	1P5
Max Applicable Motor HP		1/2	1	2
(CT)* kw		0.4	0.75	1.5
Output Power	Rated Output Capacity (kVA)	1.4	2	2.7
	Rated Output Current (A)*	3.2	4.8	6.4
	Max. Output Voltage (V)	3-Phase 200V~230VAC(Proportional to input voltage)		
	Max. Output Frequency(Hz)	Through parameter setting (Max. 400Hz)		
Power Source	Rated Voltage Frequency	Single Phase 200V~230V, 50/60Hz		
	Allowable Voltage Fluctuation	-15%~+10%		
	Allowable Frequency Fluctuation	±5%		
	Medmechanical Construction	Enclosed, Wall-Mounted Type(NEMA-1) IP20		
Cooling		Self		Forced
Weight(kg)		1.2		
Control Characteristics	Operation Mode	LED operator		
	Control Mode	Sine PW/M		
	Frequency Control Ranges	0.1 Hz~400 Hz		
	Frequency Accuracy	Digital Command:±0.01%(-10~+40°C), Analog Command:±1% (25°C~±10°C)		
	Frequency Command Resolution	Digital Command:0.01Hz, Analog Command:0.06Hz/60Hz		
	Frequency Output Resolution	0.1Hz		
	Frequency Setting Signal	DC 0~10V/4 ~ 20mA		
	Acc./Dec. Time	0~999.9 Sec. (Accel/Decel Time Can be Set Individually)		
	Voltage-Frequency Characteristics	V/F Curve Can be Set Through Paramenter Setting		
	Basic Control Function	Auto torque Boost, Slip Compensation, Restart After Momentary Power Loss, Energy Saving, PID Control, Simple PLC function		
	Extra Funation	Up/Down Operation, Cumulative Power on & Operation Hour Memory, 4 Different Sets of Fault Status Record (Including Latest one), RS-485 (MODBUS Protocol), Multiple-Pulse Output Ports, 1 Analoo Output.		

## Dimension



Voltage	Applicable Motor Output (HP/KW)	Mounting(mm)			External(mm)		
		W	H	D	W1	H1	D
220V 1ø/3ø	0.5HP/0.4KW	85	138	130	98	151	130
	1HP/0.75KW						
	2HP/1.5KW						

**Peripherals:**  
Extension cable wire  
LED operator  
EMC compliant filter  
Ferrite ring

## Description Inverter Model Number

# TDS-F8-LOP7E3

TDS-F8  
TekDrive Inverter series

Inverter Output  
Capacity (KW)  
OP4: 0.4 KW  
OP7: 0.75 KW  
1P5: 1.5 KW

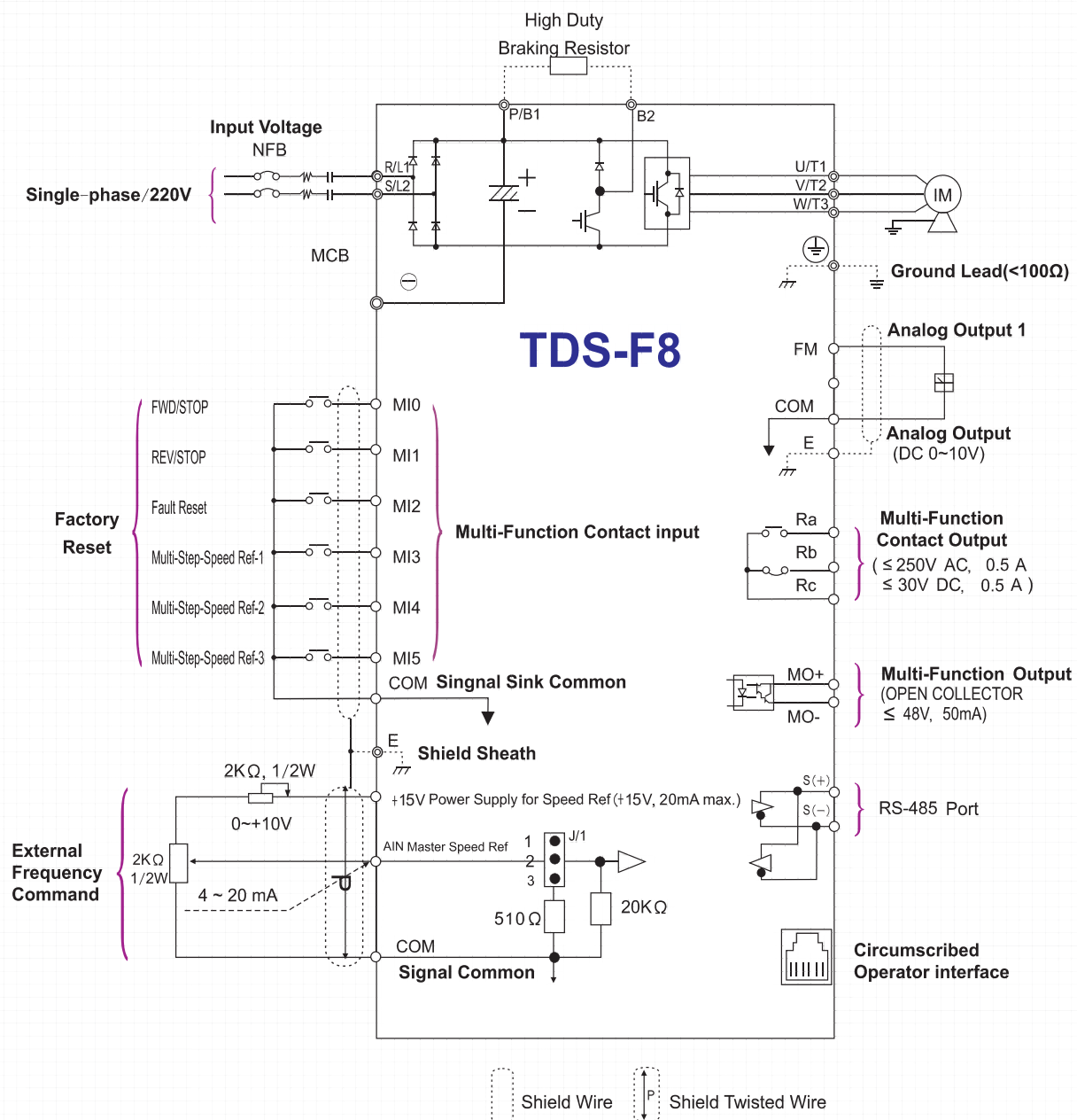
blank: single phase  
3:3 phase



## Wide Applications:

HomeUse Running Machine 、 Car Washing Machine 、 Constant Pressure Pumps 、 Fans 、 Packing Machines 、 Conveyors 、 Mixer Machines 、 Knitting Machine ...

## TDS-F8 Inverter Standard Connection Diagram



Inverter Standard Connection Diagram ( ◎ indicates the main circuit terminals and the sign, ○ Indicates control circuit terminals)