

MODEL SIZE

■ YD180T2S-0P4(B)~2P2(B) Dimensions & Mounting hole (1-PH 200V~240V)

Frame	Model & Type	Mounting dimension (mm)		Dimensions(mm)			Mounting hole (mm)	Net Weight kg
		A	B	H	W	D		
F1	YD180T2S-0P4(B)	60.5	159.1	173.1	78.4	127	M5	0.78
	YD180T2S-0P7(B)							0.81
	YD180T2S-1P5(B)							0.84
F2	YD180T2S-2P2(B)	68	172.3	186.5	86	144.3	M4	1.07

■ YD180T4-0P7(B)~2P2(B) Dimensions & Mounting hole(3-PH 380V~480V)

Frame	Model & Type	Mounting dimension (mm)		Dimensions(mm)			Mounting hole (mm)	Net Weight kg
		A	B	H	W	D		
F1	YD180T4-0P7(B)	60.5	159.1	173.1	78.4	127	M5	0.76
	YD180T4-1P5(B)							0.77
F2	YD180T4-2P2(B)	68	172.3	186.5	86	144.3	M4	0.98

SELECTION TABLE

■ 1-PH 200V~240V

Model & Type	Power capacity (kVA)	Input current (A)	Output current (A)	Applicable motor		Frame size
				(kw)	(HP)	
1-PH : 200-240VAC, 50/60HZ						
YD180T2S-0P4(B)	1.4	5.4	2.3	0.4	1/2	F1
YD180T2S-0P7(B)	2.2	8.0	3.8	0.75	1	
YD180T2S-1P5(B)	3.7	15.0	7.2	1.5	2	
YD180T2S-2P2(B)	6.0	11.4	9.0	2.2	3	F2

■ 3-PH 380V~480V

Model & Type	Power capacity (kVA)	Input current (A)	Output current (A)	Applicable motor		Frame size
				(kw)	(HP)	
3-PH: 380-480VAC, 50/60HZ						
YD180T4-0P7(B)	2.8	2.4	2.1	0.75	1	F1
YD180T4-1P5(B)	5.0	4.6	3.8	1.5	2	
YD180T4-2P2(B)	6.7	6.3	5.1	2.2	3	F2



YD180 Series

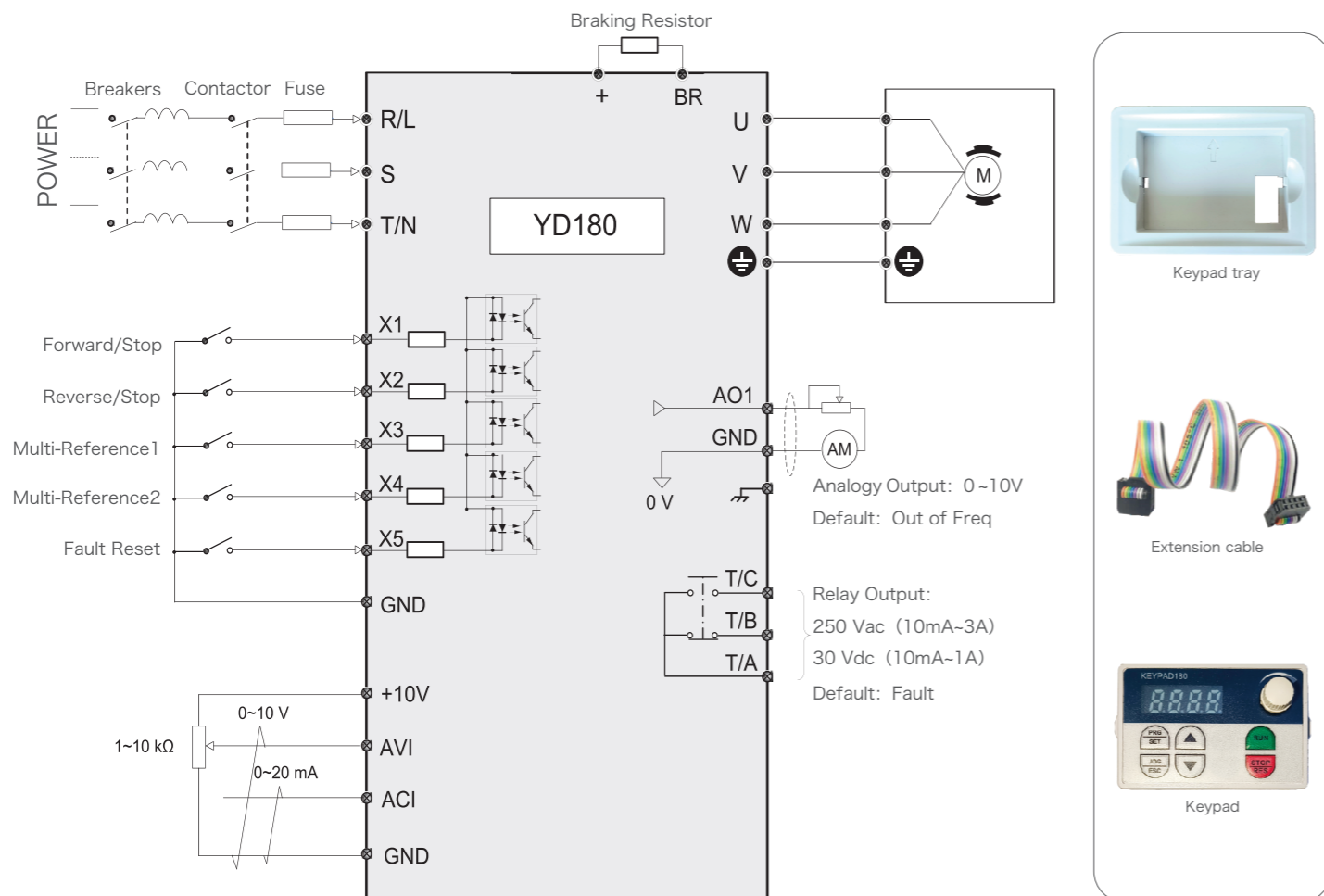
FREQUENCY INVERTER



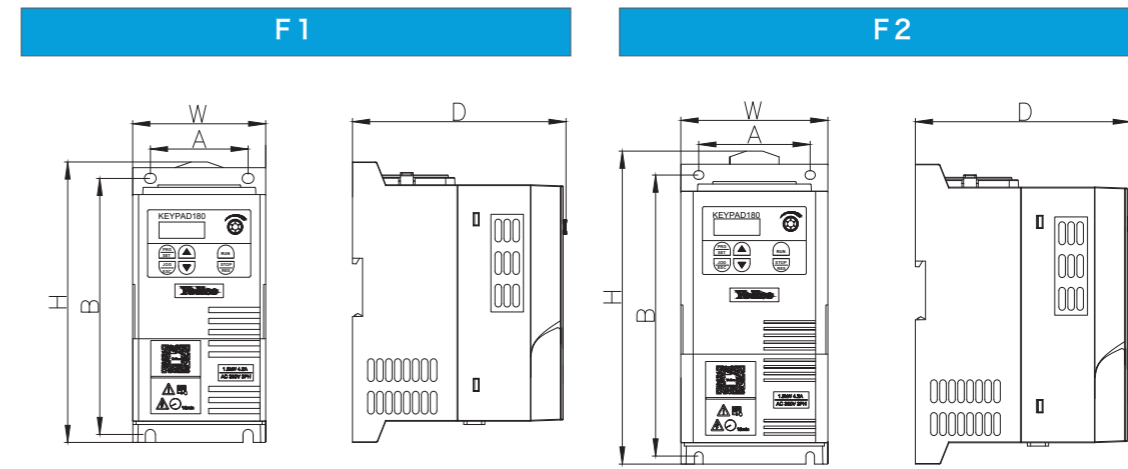
PRODUCT FEATURES

- | | | | |
|-----------|--|-----------|---|
| 01 | Overload capacity 150% for 1 minute | 08 | Load jam, OL, SC protection |
| 02 | Braking unit built-in for whole series | 09 | OH, OV, phase loss protection |
| 03 | Frequency can be set by keypad knob | 10 | Pump-specific control function |
| 04 | Variety VF curves to meet multiple loads | 11 | Swing frequency needle spinning control |
| 05 | Support power loss non-stop | 12 | SVC mode can do auto-tuning |
| 06 | PID control built-in sleep function | 13 | Allows automatic reset of faults |
| 07 | Motor light-load shock suppression | 14 | Pluggable keypad |

WIRING DIAGRAM



STRUCTURAL APPEARANCE



NAMING RULES

Series	Motor type	Mark	Suffix
YD180	Induction motor	Blank	Standard
Mark	Input voltage	Mark	Braking unit
T2S-	1-220 Vac	Blank	Without
T4-	3-380 Vac	With alphabet	Customize
Mark	Power ratings		
0P4	0.4 kW		
0P7	0.75 kW		
1P5	1.5 kW		
2P2	2.2 kW		

YD180 **T4-** **1P5** **B**

TECHNICAL DATA

Item	Description	
BASIC	Control Mode	V/F Control, Sensorless Vector Control(SVC)
	Frequency range	0 ~ 400HZ
RUNNING	Frequency source	Keypad keys, keypad potentiometer, terminal digital input, terminal analog input
	Input terminals	5 Digital terminals (X1-X5) ; 2 Analog terminals (0~10V voltage AVI and 4~20mA current ACI)
	Output terminals	1 Analog terminal AO1 (0-10V); 1 Relay terminal TA/TB/TC
KEYPAD	Panel functions	4 LED digital tube displays, 6 buttons, 1 potentiometer.
ENVIRONMENT	Places used	IP20, free of dust, corrosion, flammable gas, oil mist, water vapor, dripping water or salt, etc
	Ambient temperature	-10°C~ 40°C, de-rated when it exceeds 40°C