

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)	Weight kg
		A	B	H	W	D		
F1	YD180T2S-0P4(B)	60	158	172.3	79	128.5	M5	0.9
	YD180T2S-0P7(B)							
	YD180T2S-1P5(B)							
F2	YD180T2S-2P2(B)	68	170	190.5	86	145	M4	1.2

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

Frame	Model & Type	Mounting dimension (mm)		Dimensions(mm)			Mounting hole (mm)	Weight kg
		A	B	H	W	D		
F1	YD180T4-0P7(B)	60	158	172.3	79	128.5	M5	0.8
	YD180T4-1P5(B)							
F2	YD180T4-2P2(B)	68	170	190.5	86	145	M4	1.15

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

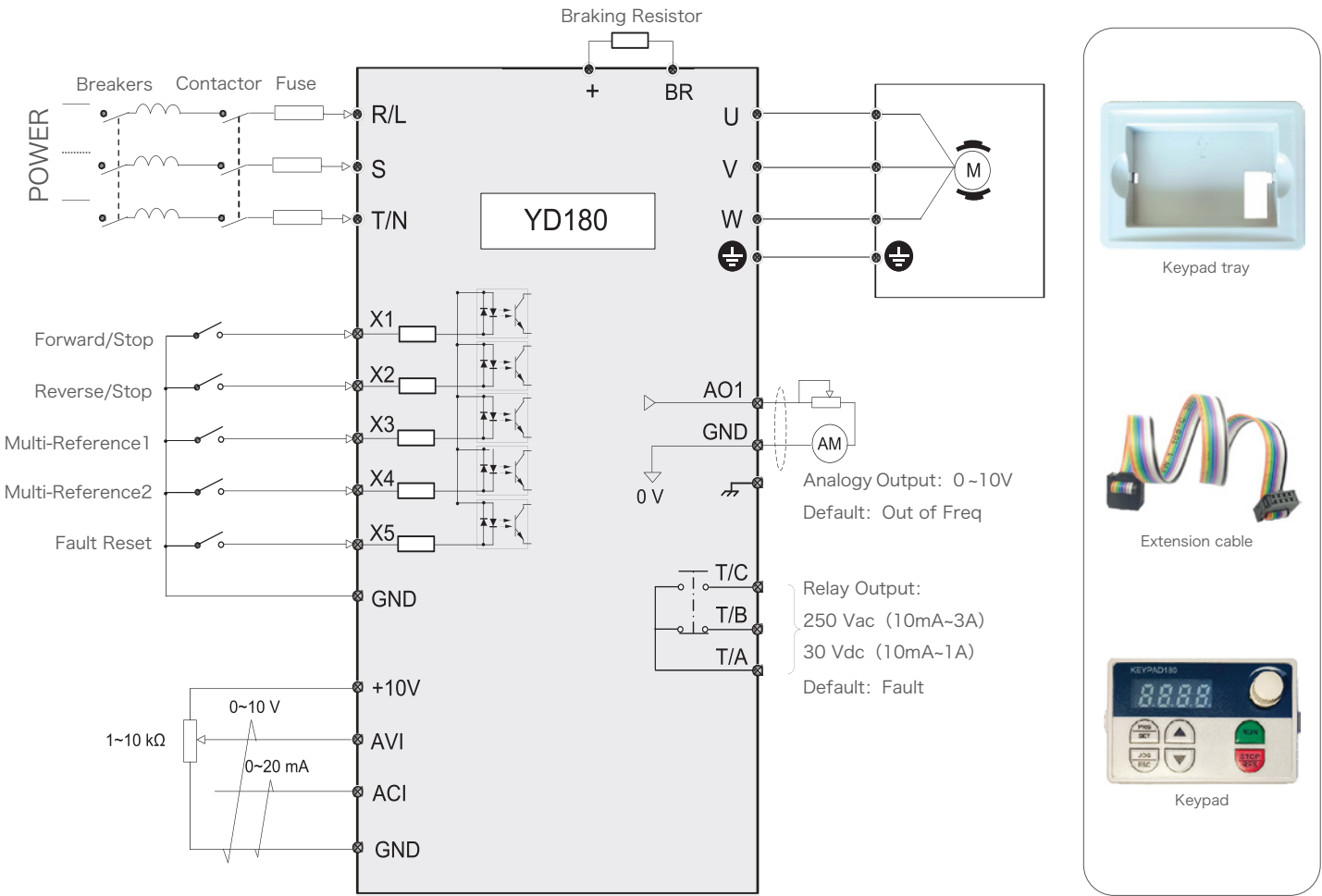
FREQUENCY INVERTER



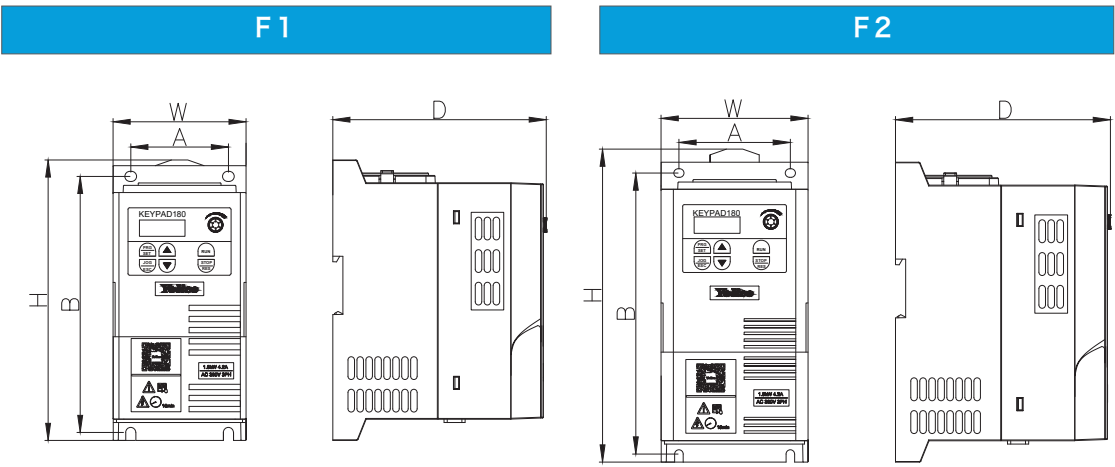
PRODUCT FEATURES

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

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

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)
KEYPAD	Output terminals	1 Analog terminal AO1 (0-10V); 1 Relay terminal TA/TB/TC
	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