

YD280T2S/T4 MODEL SIZE

■ YD280T2S-0P4GB~2P2GB Dimensions & Mounting hole (1-PH 200V~240V)

Frame	Model & Type	Mounting dimension		Dimensions(mm)				Mounting hole (mm)	Weight kg
		A	B	H	H1	W	D		
F1	YD280T2S-0P4GB	74	187	197.5	-	90	141	Ø5	1.25
	YD280T2S-0P7GB								
	YD280T2S-1P5GB								
	YD280T2S-2P2GB								

■ YD280T4-0P7G/1P5PB~22GB Dimensions & Mounting hole (3-PH 380V~480V)

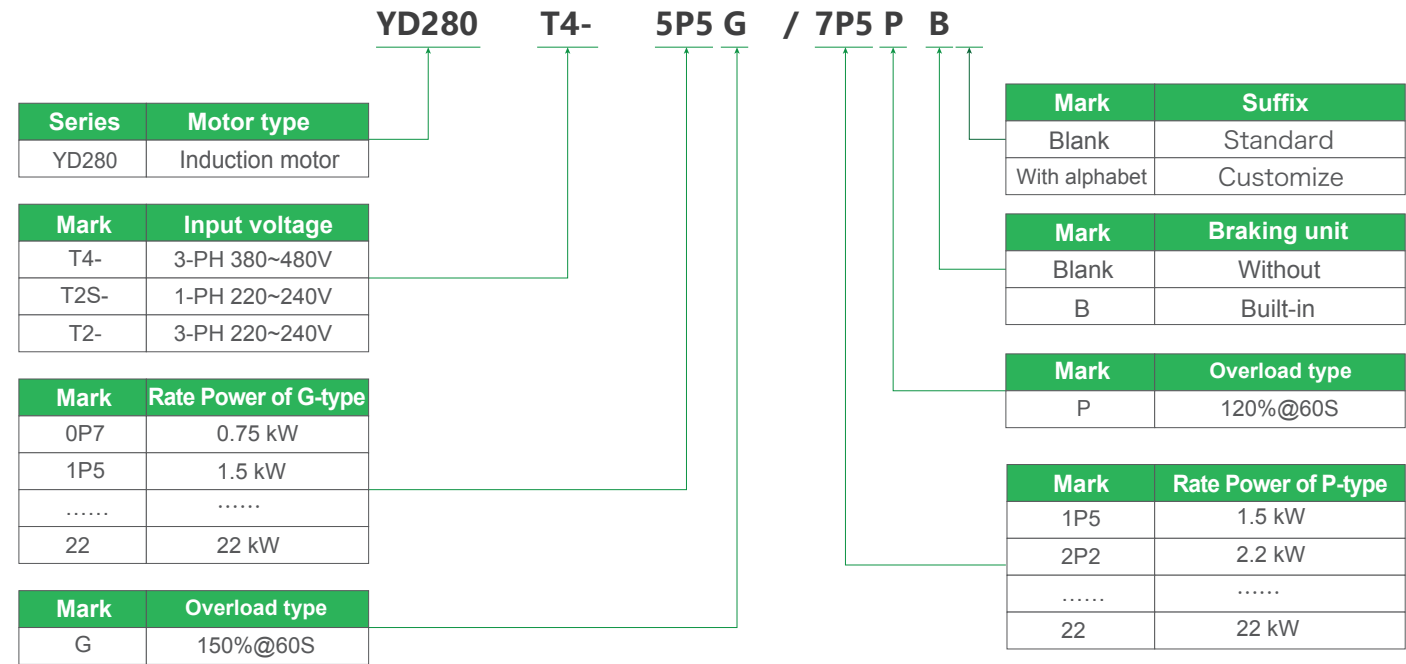
Frame	Model & Type	Mounting dimension		Dimensions(mm)				Mounting hole (mm)	Weight kg
		A	B	H	H1	W	D		
F1	YD280T4-0P7G/1P5PB	74	187	197.5	-	90	141	Ø5	1.3
	YD280T4-1P5G/2P2PB								
	YD280T4-2P2G/3P0PB								
	YD280T4-3P0G/3P7PB								
	YD280T4-3P7G/5P5PB								
F2	YD280T4-5P5G/7P5PB	90	190	200	202	102	163.5	Ø6	1.95
	YD280T4-7P5GB								
F3	YD280T4-11G/15PB	108.5	227	240.5	242.5	125	173	Ø6.5	3.1
	YD280T4-15G/18P5PB								
F4	YD280T4-18P5G/22PB	147	278.5	295	297	165	208.3	Ø7	5.55
	YD280T4-22GB								

YD280T2 MODEL SIZE

■ YD280T2-0P4G/0P7PB~11GB Dimensions & Mounting hole (3-PH 200V~240V)

Frame	Model & Type	Mounting dimension		Dimensions(mm)				Mounting hole (mm)	Weight kg
		A	B	H	H1	W	D		
F1	YD280T2-0P4GB	74	187	197.5	-	90	141	Ø5	1.25
	YD280T2-0P7GB								
	YD280T2-1P1GB								
	YD280T2-1P5GB								
	YD280T2-2P2GB								
F2	YD280T2-3P7GB	90	190	200	202	102	163.5	Ø6	1.95
F3	YD280T2-5P5GB	108.5	227	240.5	242.5	125	173	Ø6.5	3.1
	YD280T2-7P5GB								
F4	YD280T2-11GB	147	278.5	295	297	165	208.3	Ø7.2	5.55

NAMING RULES



Yolico

YD280 Series

FREQUENCY INVERTER



Yolico

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Ver: 2508

ISO9001 CE

USER MANUAL

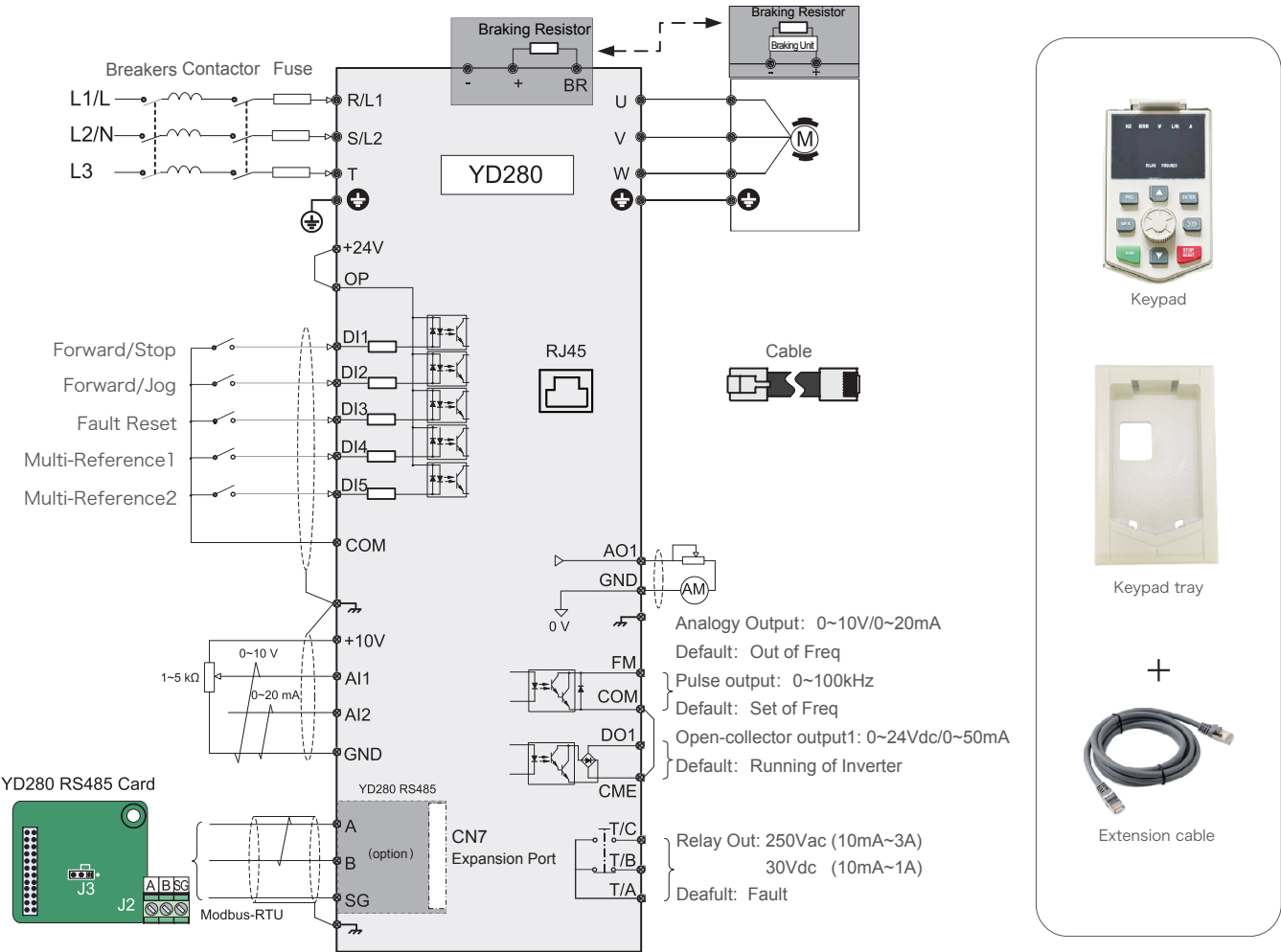


- 220V 1-PH 0.4-2.2kW
- 220V 3-PH 0.4-11kW
- 380V 3-PH 0.75-22kW

PRODUCT FEATURES

01	Drive asynchronous induction motor	09	Frequency can be set by keypad knob
02	Heavy load (G) / light load (P) can be set	10	Pluggable keypad
03	Braking unit built-in for whole series	11	Power lost, can slow down power generation
04	Allows motor spin start and speed search	12	Variety VF curves to meet multiple loads
05	Support power loss non-stop	13	RS485,Modbus-RTU(Optional)
06	Load jam, OL, SC protection	14	Built-in simple PLC program control
07	PID control built-in sleep function	15	Provide virtual contacts and registers
08	Support parallel control of master and slave	16	Provides password lock function

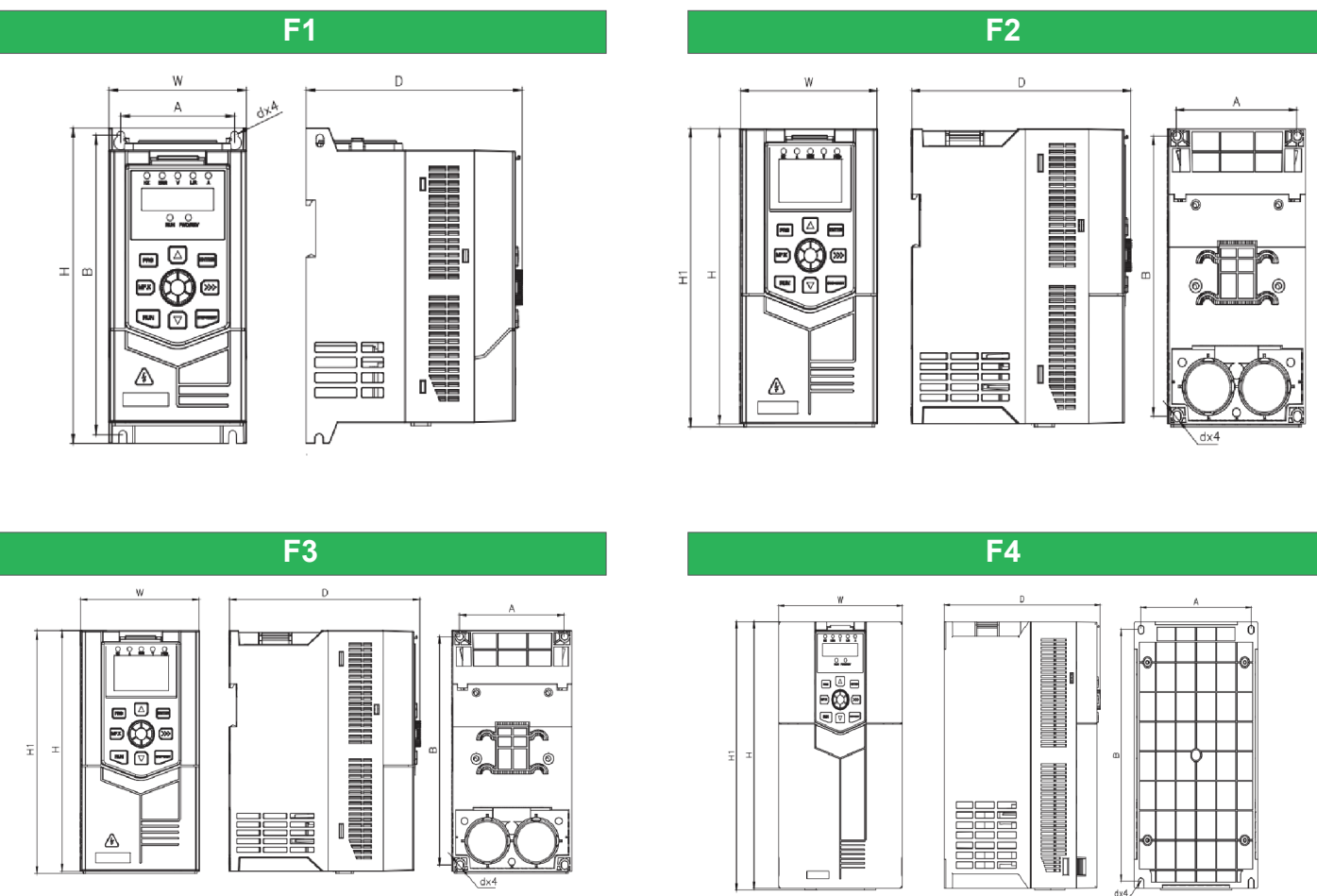
WIRING DIAGRAM



TECHNICAL DATA

Item		Description
BASIC	Control Mode	V/F Control, Sensorless Vector Control(SVC), Open loop Torque Control
	Frequency range	0~500Hz
RUNNING	Input terminals	5 Digital input terminals (DI1-DI5) ; Isolated type
		2 Analog input terminals (0~10V of AI1 and 0~10V or 4~20mA of AI2)
	Output terminals	1 Pulse output terminal, support 0~100kHz square wave output
		1 DO output terminal, 1 Realy TA/TB/TC output terminal
ENVIRONMENT	Communication bus	1 Analog output terminal (0~10V or 4~20mA of AO1)
	Places used	RS485 Modbus-RTU
	Ambient temperature	IP20, free of dust, corrosion, flammable gas, oil mist, water vapor, dripping water etc
		-10°C~ 40°C, de-rated when it exceeds 40°C

STRUCTURAL APPEARANCE



YD280T2S/T4 SELECTION TABLE

1-PH 200V~240V							
Model & Type	Rate Power Type	Power capacity (kVA)	Input current (A)	Output current (A)	Applicable motor		Frame size
					(kw)	(HP)	
1-PH: 200-240Vac, 50/60Hz							
YD280T2S-0P4GB	G	1.4	5.4	2.3	0.4	1/2	F1
YD280T2S-0P7GB	G	2.2	8.0	3.8	0.75	1	
YD280T2S-1P5GB	G	3.7	15.0	7.2	1.5	2	
YD280T2S-2P2GB	G	6.0	11.4	9.0	2.2	3	

3-PH 380V~480V							
Model & Type	Rate Power Type	Power capacity (kVA)	Input current (A)	Output current (A)	Applicable motor		Frame size
					(kw)	(HP)	
3-PH: 380-480Vac, 50/60Hz							
YD280T4-0P7G/1P5PB	G	2.8	2.4	2.1	0.75	1	F1
	P	5.0	4.6	3.8	1.5	2	
YD280T4-1P5G/2P2PB	G	5.0	4.6	3.8	1.5	2	
	P	6.7	6.3	5.1	2.2	3	
YD280T4-2P2G/3P0PB	G	6.7	6.3	5.1	2.2	3	
	P	9.5	9.0	7.2	3.0	4	
YD280T4-3P0G/3P7PB	G	9.5	9.0	7.2	3.0	4	
	P	12.0	11.4	9.0	3.7	5	
YD280T4-3P7G/5P5PB	G	12.0	11.4	9.0	3.7	5	
	P	17.5	16.7	13.0	5.5	7.5	
YD280T4-5P5G/7P5PB	G	17.5	16.7	13.0	5.5	7.5	
	P	22.8	21.9	17.0	7.5	10	
YD280T4-7P5GB	G	22.8	21.9	17.0	7.5	10	
	P	33.4	32.2	25.0	11	15	
YD280T4-11G/15PB	G	42.8	41.3	32.0	15	20	
	P	42.8	41.3	32.0	15	20	
YD280T4-15G/18P5PB	G	45.0	49.5	37.0	18.5	25	
	P	45.0	49.5	37.0	18.5	25	
YD280T4-18P5G/22PB	G	54.0	59.0	45.0	22	30	
	P	54.0	59.0	45.0	22	30	
YD280T4-22GB	G	54.0	59.0	45.0	22	30	

YD280T2 SELECTION TABLE

3-PH 200V~240V							
Model & Type	Rate Power Type	Power capacity (kVA)	Input current (A)	Output current (A)	Applicable motor		Frame size
					(kw)	(HP)	
3-PH: 200-240Vac, 50/60Hz							
YD280T2-0P4GB	G	1.1	2.4	2.1	0.4	0.5	F1
YD280T2-0P7GB	G	2.1	4.6	3.8	0.75	1	
YD280T2-1P1GB	G	2.9	6.3	5.1	1.1	1.5	
YD280T2-1P5GB	G	4.2	9.0	7.2	1.5	2	
YD280T2-2P2GB	G	5.3	11.4	9.0	2.2	3	
YD280T2-3P7GB	G	7.7	16.7	13.0	3.7	5	F2
YD280T2-5P5GB	G	14.8	32.2	25.0	5.5	7.5	F3
YD280T2-7P5GB	G	18.9	41.3	32.0	7.5	10	F4
YD280T2-11GB	G	27	59	45.0	11	15	