

YD580ET4 MODEL SIZE

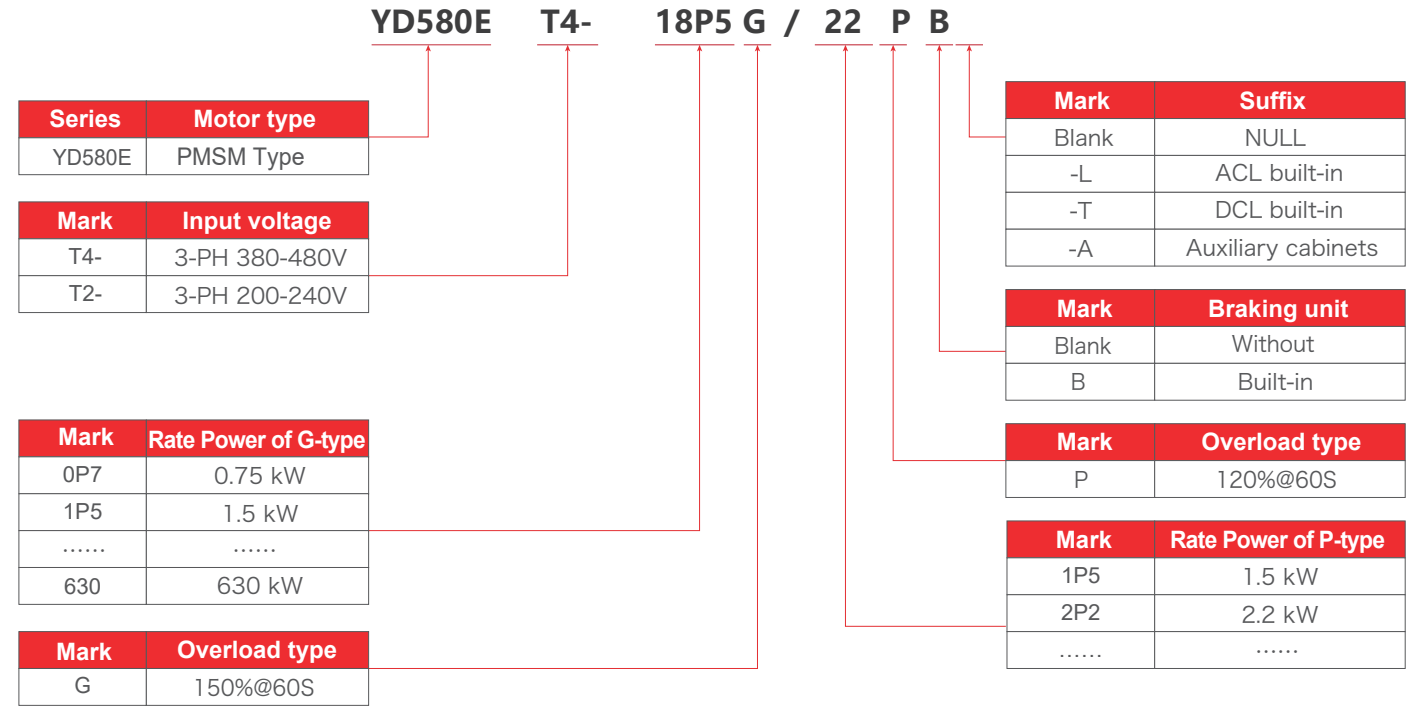
■ YD580ET4-0P7G/1P5PB ~YD580ET4-160G/200P-T Dimensions & Mounting hole (3-380 VAC)

Frame	Model & Type	Dimensions(mm)				Mounting dimension		Mounting hole (mm)
		W	H	H1	D	A	B	
F1	YD580ET4-0P7G/1P5PB	130	200	/	172	119.4	189.4	Ø5
	YD580ET4-1P5G/2P2PB							
	YD580ET4-2P2G/3P0PB							
	YD580ET4-3P0G/3P7PB							
	YD580ET4-3P7G/5P5PB							
	YD580ET4-5P5G/7P5PB							
F2	YD580ET4-7P5G/11PB	140	250	/	178	129	239	Ø6
	YD580ET4-11G/15PB							
F3	YD580ET4-15G/18P5PB	180	280	/	180	165.4	266.7	Ø6
F4	YD580ET4-18P5G/22PB	225	360	/	225	206	341	Ø7
	YD580ET4-22G/30PB							
F5	YD580ET4-30G/37P(B)-T	256	436	422	254	213	421	Ø7
	YD580ET4-37G/45P(B)-T							
F6	YD580ET4-45G/55P(B)-T	302	540	527	300	245	521	Ø10
	YD580ET4-55G/75P(B)-T							
F7	YD580ET4-75G/90P(B)-T	340	581	556	331	270	560	Ø10
	YD580ET4-90G/110P(B)-T							
	YD580ET4-110G/132P(B)-T							
F8	YD580ET4-132G/160P-T	400	925	885	337	320	905	Ø10
	YD580ET4-160G/200P-T							

■ YD580ET4-200G/250P-T~YD580ET4-450G-T Dimensions & Mounting hole (3-380VAC)

Frame	Model & Type	Dimensions(mm)					Mounting dimension(mm)				Mounting hole mm
		W	W1	H	H1	D	A1	A2	B1	B2	
F9	YD580ET4-200G/250P-T	303	426	1136	1091	523	240	150	1035	83	Ø13
	YD580ET4-220G/280P-T										
F10	YD580ET4-250G/315P-T	333	459	1286	1245	568	225	185	1175	91	Ø13
	YD580ET4-280G/355P-T										
	YD580ET4-315G-T										
F11	YD580ET4-315G/400P-T	345	458	1404	1355	561	240	185	1291	91	Ø16
	YD580ET4-355G/450P-T										
	YD580ET4-400G/500P-T										
	YD580ET4-450G-T										
F12	YD580ET4-500G/630P-T	763	/	1500	/	644	520	1478	715	240	Ø22/13
	YD580ET4-560G-T										
	YD580ET4-630G-T										

NAMING RULES



Yolico



YD580E Series

FREQUENCY INVERTER FOR PMSM



Yolico

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Ver: 2606

ISO9001 CE

USER MANUAL

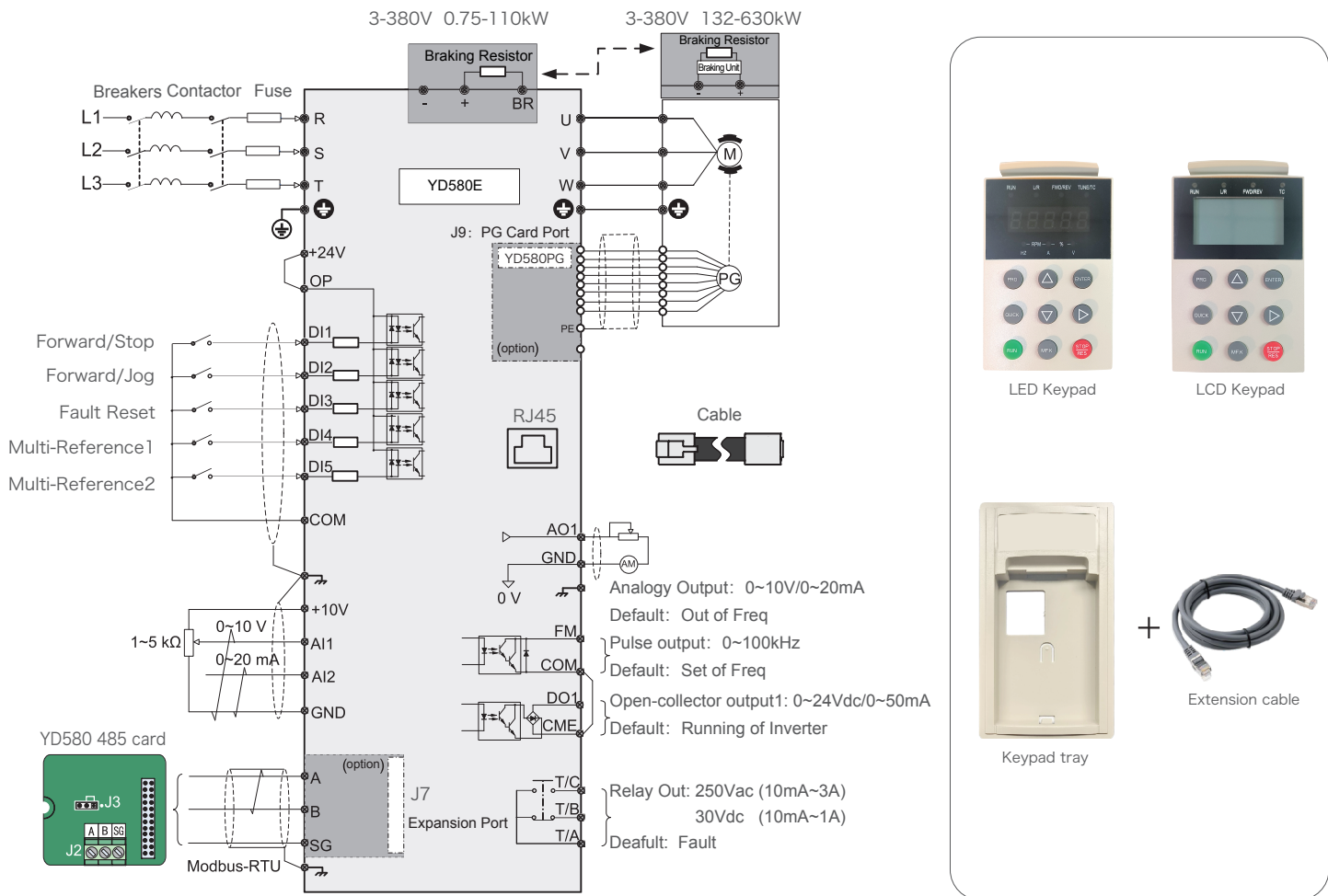


- ⊙ 220V 3-PH 0.4-220kW
- ⊙ 380V 3-PH 0.75-630kW

PRODUCT FEATURES

01	Low speed high torque	08	Load jam, OL, SC protection	15	Multiple communication cards
02	VF、SVC、FVC、Torque Ctrl	09	High reliability design	16	Multiple encoder cards
03	All ratings EMC filter built-in	10	Independent air duct design	17	Multiple IO expansion cards
04	Braking unit built in 0.75-22kW	11	Coating process production	18	Provide password function
05	Braking unit option 30-110kW	12	Provides virtual IO function	19	Provide customer PLC card
06	DCL built in @ 30kW and above	13	Master-slave parallel control	20	LCD English panel(option)
07	Easy replacement for fan	14	PID control with sleep/wake	21	Pluggable Keypad

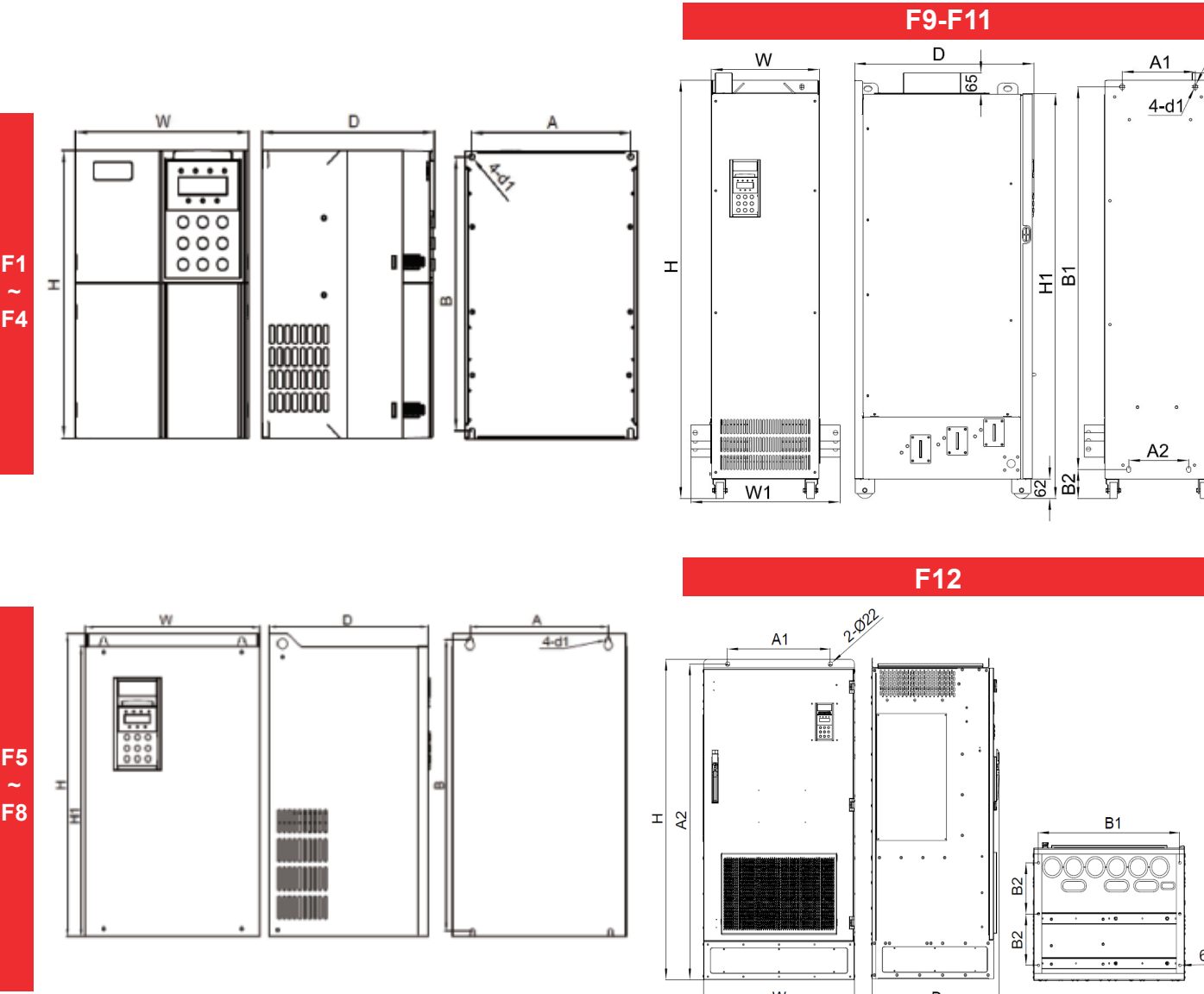
WIRING DIAGRAM



TECHNICAL DATA

Item		Description
BASIC	Control Mode	V/F Control, Sensorless Vector Control(SVC), FeedBack Vector Control(FVC)
	Frequency range	0~500Hz
	Input terminals	●5 DI terminals, of which DI5 supports 100kHz high-speed pulses ●2 AI terminals, AI1 0~10V voltage , and AI2 0~10V voltage or 0~20mA current ●Expansion: 5 DI terminals and 1 AI terminal, supporting -10V~10V
RUNNING	Output terminals	●1 high-speed pulse output , supporting 0~100kHz square wave signal output
		●1 relay "TA/TB/TC" and 1 DO(Open collector)
		●1 AO analogy that supports 0~20mA current or 0~10V voltage output
		●Expansion: 1 DO , 1 relay , 1 AO , support 0~20mA/0~10V voltage output
ENVIRONMENT	Places used	0.75- 450kW(G) IP20 cabinet installation , 500kW(G) or above cabinet type
	Ambient temperature	-10° C~ 40° C work ambient temperature. When exceeds 40° C needs to de-rated

STRUCTURAL APPEARANCE



YD580ET4 SELECTION TABLE

Model & Type	Frame size	Power capacity (kVA)	Input Current (A)	Rated Current (A)	Rated Power (kW)	Horse Power (HP)
3-PH: 380VAC~480VAC, 50Hz/60Hz						
YD580ET4-0P7G/1P5PB	F1	2.8/5.0	2.4/4.6	2.1/3.8	0.75/1.5	1/2
YD580ET4-1P5G/2P2PB		5.0/6.7	4.6/6.3	3.8/5.1	1.5/2.2	2/3
YD580ET4-2P2G/3P0PB		6.7/9.5	6.3/9.0	5.1/7.2	2.2/3.0	3/4
YD580ET4-3P0G/3P7PB		9.5/12	9.0/12	7.2/9.0	3.0/3.7	4/5
YD580ET4-3P7G/5P5PB	F2	12/18	12/17	9.0/13	3.7/5.5	5/7.5
YD580ET4-5P5G/7P5PB		18/23	17/22	13/17	5.5/7.5	7.5/10
YD580ET4-7P5G/11PB		23/34	22/33	17/25	7.5/11	10/15
YD580ET4-11G/15PB		34/43	33/42	25/32	11/15	15/20
YD580ET4-15G/18P5PB	F3	43/45	42/50	32/37	15/18.5	20/25
YD580ET4-18P5G/22PB	F4	45/54	50/59	37/45	18.5/22	25/30
YD580ET4-22G/30PB		54/58	59/64	45/60	22/30	30/40
YD580ET4-30G/37P(B)-T	F5	58/63	64/69	60/75	30/37	40/50
YD580ET4-37G/45P(B)-T		63/81	69/89	75/91	37/45	50/60
YD580ET4-45G/55P(B)-T	F6	81/97	89/97	91/112	45/55	60/75
YD580ET4-55G/75P(B)-T		97/127	97/106	112/150	55/75	75/100
YD580ET4-75G/90P(B)-T	F7	127/150	106/164	150/176	75/90	100/120
YD580ET4-90G/110P(B)-T		150/179	164/196	176/210	90/110	120/150
YD580ET4-110G/132P(B)-T		179/220	196/240	210/253	110/132	150/180
YD580ET4-132G/160P-T		220/263	240/287	253/304	132/160	180/215
YD580ET4-160G/200P-T	F8	263/334	287/365	304/377	160/200	215/265
YD580ET4-200G/250P-T	F9	334/404	365/441	377/465	200/250	265/330
YD580ET4-220G/280P-T		375/453	410/495	426/520	220/280	300/375
YD580ET4-250G/315P-T	F10	404/517	441/565	465/585	250/315	330/400
YD580ET4-280G/355P-T		453/565	495/617	520/650	280/355	375/475
YD580ET4-315G-T		517	565	585	315	400
YD580ET4-315G/400P-T		517/629	565/687	585/725	315/400	400/530
YD580ET4-355G/450P-T	F11	565/716	617/782	650/820	355/450	475/600
YD580ET4-400G/500P-T		629/952	687/838	725/900	400/500	530/670
YD580ET4-450G-T	F12	716	782	820	450	600
YD580ET4-500G/630P-T		952/1244	838/1044	900/1120	500/630	670/840
YD580ET4-560G-T		1071	953	1020	560	746
YD580ET4-630G-T		1244	1044	1120	630	840

Note: The size and cooling method above 500kW (G) can be designed according to customer requirements

YD580E OPTIONAL ACCESSORIES

Function	Model
Expansion cards	RS-485 Card YD580-RS485
	PROFIBUS-DP Card YD580-DP
	PROFINET Card YD580-PN
	CANOPEN Card YD580-CAN
	ETHERCAT Card YD580-ECAT
	IO Extend Card YD580-IO1/2/3
Encoder cards	Customer PLC Card YD580-PLC1
	Encoder PG Card YD580-PGMD
	Resolver PG Card YD580-PGRSV
	Crossover PG Card YD580-PGMD2
Panel fittings	LCD Keypad YD580-KLCD
	Keypad tray YD580-KTRAY
	Extension cable - 2.0 m YD580-CAB-2.0

