ООО «ЯНИ-МОТОРС»
Комплектный электропривод
Двигатели постоянного тока
Тахогенераторы и энкодеры
Модернизация станков с ЧПУ
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GK800

High Performance AC Drives

The GK800 series are the drives that cover an entire range of applications, particularly in demanding ones that require precise speed control, torque control, fast response, etc.

POWER RATINGS	1 × 220-240 V 1.5 - 2.2 kW	3 × 220-240 V 1.5 - 110 kW	3 × 380-480 V 1.5 - 1200 kW	3 × 525-690 V 11 - 1200 kW

More Beyond Inheritance

Promoted V/Hz · SVC1 · SVC2 · VC · Multi-step Freq.

ModBus, CAN, CANopen & ProfiBus · Asynchronous & Synchronous Motor Supported

Frequency Binding · Parameter Copy & Backup · Flying Start · Precise autotune

Parameter Displayed & Hidden · Master & Auxiliary command & switchover · PID · FDT · Zero-speed Clamping · Simple PLC

2 Motor Switchover · Pulse Train Position Control · Fixed Length Control · Droop Control · Feed Forward Control · S-curve

Preeminent Field-weakening Control · V/Hz Separated Control · Angular Positioning · Over Excitation Brake · Mechanical Brake

Restart Upon Power Loss · Cycle-By-Cycle Current Limit · Motor Thermal Protection · Stall Protections · ……

Start Torque @0Hz
200%

Overload Capability
200%

Speed accuracy ±
0.02%

Ambient Temp ℃
50

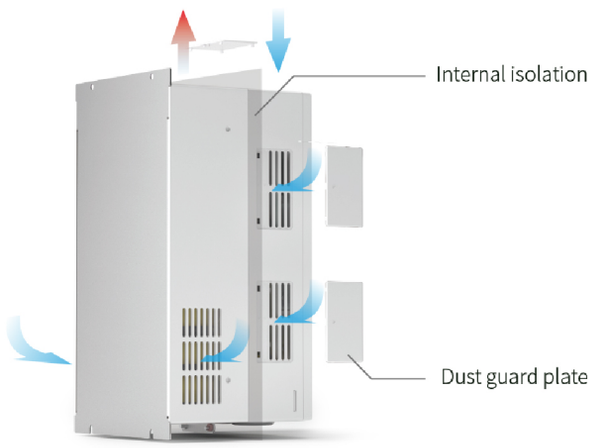
Speed Regulation
1:1000

Torque Response ms
5

Torque accuracy ±
5%

Speed Fluctuation ±
0.1%

Positioning accuracy ±
1 pulse



TERMINAL

Analog Input	×3 [4]*1	Analog Output	×2 [4]	Relay Output	×2 [4]
Digital Input	×7 [9]	Digital Output*2	×2	Communication Port*3	×1
Option Board Interface	×2	for Fieldbus options , I/O options or Decoder options			

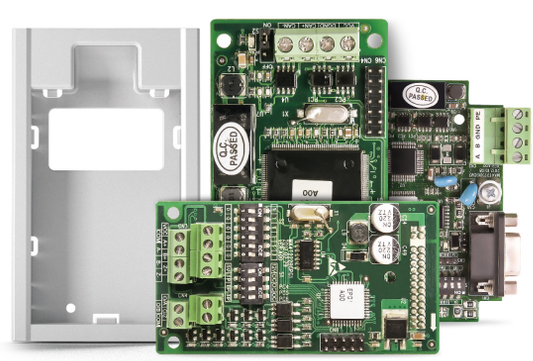
**1 A [B] : A - local B - extensible* **2 One of which (Y2/DO) supports high-speed pulse output*

**3 RS485/ModBus ONLY 4800/9600/19200/38400/57600/115200bps Maximum distance - 500m*

OPTION

Fieldbus options

EPC-CM1	CAN
EPC-CM2	CANopen
EPC-CM3	PROFIBUS



Decoder options

EPC-PG1~PG9	for ABZ/SIN/COS/UVW Encoder or Resolver

I/O options

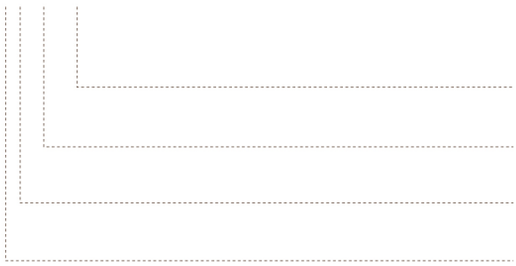
EPC-TM1	Analog & Digital
EPC-TM2	PT100 & Relay
EPC-VD1	Voltage
EPC-VD2	Bus voltage detection & for optimized flying start
EPC-IM1	Analog for injection
EPC-IM2	Current analog
EPC-RT1	Real-time clock

Others

KBU-DZ2	Base for keypad
APP for PC	FREE Gtake Monitoring
APP for PC	FREE Firmware Update Tool

MODEL

4T7.5B



B: With built-in braking chopper

Rated power, 7.5 - 7.5kW

T: Tri-phase S: Single phase

2: 200V level 4: 400V level 6: 690V level

Model	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps)*4	Applicable Motor (kW)
2T1.5B	1.5	7.5	9/14.5	1.5
2T2.2B	2.2	9.6	15/23	2.2
2T3.7B	3.7	16.5	20.5	37
2T5.5B	5.5	24	29	5.5
2T7.5B	7.5	30	35	7.5
2T11(B)	11	45	50	11
2T15(B)	15	60	65	15
2T18.5(B)	18.5	73	80	18.5
2T22(B)	22	91	95	22
2T30(B)	30	112	118	30
2T37(B)	37	144	150	37
2T45	45	176	160	45
2T55	55	210	192	55
2T75	75	288	266	75
2T90	90	350	326	90
2T110	110	430	403	110
2T				
4T1.5B	1.5	3.8	5.0	1.5
4T2.2B	2.2	5.5	6.0	2.2
4T3.7B	3.7	9.0	10.5	3.7
4T5.5B	5.5	13	14.6	5.5
4T7.5B	7.5	17	20.5	7.5
4T11B	11	24	29	11
4T				

Model	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps)*4	Applicable Motor (kW)
4T15B	15	30	35	15
4T18.5(B)	18.5	39	44	18.5
4T22(B)	22	45	50	22
4T30(B)	30	60	65	30
4T37(B)	37	75	80	37
4T45(B)	45	91	95	45
4T55	55	112	118	55
4T75	75	150	157	75
4T90	90	176	160	90
4T110	110	210	192	110
4T132	132	250	232	132
4T160	160	310	285	160
4T185	185	350	326	185
4T200	200	380	354	200
4T220	220	430	403	220
4T250	250	470	441	250
4T280	280	520	489	280
4T315	315	590	571	315
4T355	355	650	624	355
4T400	400	725	699	400
4T450	450	820	790	450
4T500G	500	860	835	500
4T560G	560	950	920	560
4T630G	630	1100	1050	630

The rated power bigger than 630kW are customizable. Contact GTAKE for more.

**4: The green numbers say the rated input currents configured DC reactors; A/B , A - 1AC rated input current , B - 3AC rated input current.*

DIMENSIONS

Unit, mm

4T1.5B

W×H×D - 93×190×152

Mounting dimensions 70×180×152

2T1.5B~2.2B

4T2.2B~3.7B

W×H×D - 120×245×169

Mounting dimensions 80×233×169

2T3.7B

4T5.5B~7.5B

W×H×D - 145×280×179

Mounting dimensions 105×268×179

2T5.5B~7.5B

4T11B~15GB

W×H×D - 190×365×187

Mounting dimensions 120×353×187

2T11(B)~15(B)

4T18.5(B)~30(B)

W×H×D - 270×475×220

Mounting dimensions 170×460×220

2T18.5(B)~22(B)

4T37(B)~45(B)

W×H×D - 320×568×239

Mounting dimensions 220×544×239

2T30(B)~37(B)

4T55~75

W×H×D - 385×670×261

Mounting dimensions 260×640×261

2T45~55

4T90~110

W×H×D - 395×785×291

Mounting dimensions 260×750×291

2T75

4T132~160

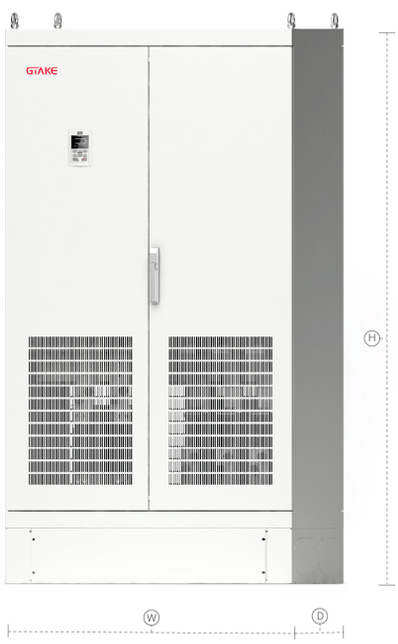
W×H×D - 440×900×356

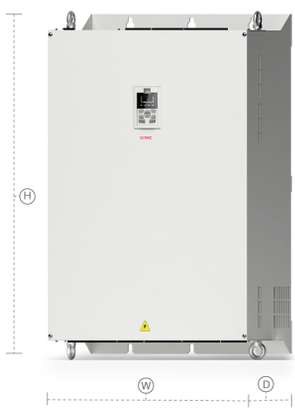
Mounting dimensions 300×865×356

DIMENSIONS

Unit, mm

2T90	2T110	Customized
4T185~200	4T220~280	4T315~500
W×H×D - 500×990×368	W×H×D - 650×1040×406	W×H×D - 815×1300×428
Mounting dimensions 360×950×368	Mounting dimensions 400×1000×406	Mounting dimensions 600×1252×428





4T560~630
W×H×D - 1000×2000×550
Mounting dimensions 1000×2000×550

MORE

Further information is procurable through following sources:

PRODUCT CATALOG

OFFICIAL WEBSITE

YouTube
@GtakeElectric

@Gtake

SOCIAL MEDIA

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