



AC DRIVE D31 SERIES



D31 Series

High Performance AC Drives



POWER RATINGS

3 x 380-480 V 0.75 - 800kw

Versatile &
Multifunctional

Dual CPU

Promoted V/Hz

SVC

ModBus

Detachable Control Panel

Multi-step Freq.

PID

S-curve

Simple PLC

2 Motor Switchover

Skip Frequency

V/Hz Separated Control

Common DC Bus

Mechanical Brake

Restart Upon Power Loss

Cycle-By-Cycle Current Limit

Motor Thermal Protection

Stall Protections

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Start Torque@0.5HZ
150%

Overload Capability
200%

Ambient Temp °c
50

Speed Regulation
1:200

Ingress Protection
IP20~IP40

Speed accuracy ±
0.2%



TERMINAL

Analog Input	×2	Analog Output	×2	Relay Output	×2
Digital Input	×6~8	Digital Output	×1	Communication Port	×1

MODEL

D31

Code	Series
D12	D12 Mini AC Drive
D31	D31 High Performance AC Drive
D32	D32 Narrow body AC Drive

T3

Code	Voltage Class
T3	Three Phase 380V
S2	Sigle Phase 220V

30

Code	Rate Power
0R7	0.75KW
1R5	1.5KW
2R2	2.2KW
3	3KW
4	4KW
700	700KW
800	800KW

G

Code	Lode Type
G	Heavy Load
P	Light Load

/ 37 P

Model: D31-T3-30G/37P


Max Appli Motor:30.0/37.0kW




Input:AC3PH 380-460V 50/60Hz 70.0/80.0A

Output:AC3PH 0-460V 0-400Hz 60.0/75.0A

Operating Temperature:-10℃~50℃

IP Protection:IP20 Mass:

S/N: 

ADD:No. 992, Gaoxin West Road, Tongxiang, Zhejiang Province, China

MODEL

Model	<div>H Heavy load</div> <div>L Light load</div>	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps) ^{*4}	Applicable Motor (kW)
D31-T3-0R7G/1R5P	<div>H</div> <div>L</div>	0.75	2.6	3.6	0.75
	<div>L</div>	1.5	4.1	6.4	1.5
D31-T3-1R5G/2R2P	<div>H</div> <div>L</div>	1.5	4.1	6.4	1.5
	<div>L</div>	2.2	5.5	8.7	2.2
D31-T3-2R2G/3P	<div>H</div> <div>L</div>	2.2	5.5	8.7	2.2
	<div>L</div>	3	6.9	10.9	3
D31-T3-3G/4P	<div>H</div> <div>L</div>	3	6.9	10.9	3
	<div>L</div>	4	9.5	14	4
D31-T3-4G/5R5P	<div>H</div> <div>L</div>	4	9.5	14	4
	<div>L</div>	5.5	12.6	20.7	5.5
D31-T3-5R5G/7R5P	<div>H</div> <div>L</div>	5.5	12.6	20.7	5.5
	<div>L</div>	7.5	18.5	26.5	7.5
D31-T3-7R5G/11P	<div>H</div> <div>L</div>	7.5	18.5	26.5	7.5
	<div>L</div>	11	25	36.6	11
D31-T3-11G/15P	<div>H</div> <div>L</div>	11	25	36.6	11
	<div>L</div>	15	32	40	15
D31-T3-15G/18P	<div>H</div> <div>L</div>	15	32	40	15
	<div>L</div>	18.5	38	47	18.5
D31-T3-18G/22P	<div>H</div> <div>L</div>	18.5	38	47	18.5
	<div>L</div>	22	45	56	22
D31-T3-22G/30P	<div>H</div> <div>L</div>	22	45	56	22
	<div>L</div>	30	60	70	30
D31-T3-30G/37P	<div>H</div> <div>L</div>	30	60	70	30
	<div>L</div>	37	75	80	37
D31-T3-37G/45P	<div>H</div> <div>L</div>	37	75	80	37
	<div>L</div>	45	92	94	45
D31-T3-45G/55P	<div>H</div> <div>L</div>	45	92	94	45
	<div>L</div>	55	115	128	55
D31-T3-55G/75P	<div>H</div> <div>L</div>	55	115	128	55
	<div>L</div>	75	150	160	75

Model	<div>H Heavy load</div> <div>L Light load</div>	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps) ^{*4}	Applicable Motor (kW)
D31-T3-75G/90P	<div>H</div> <div>L</div>	75	150	160	75
	<div>L</div>	90	180	190	90
D31-T3-90G/110P	<div>H</div> <div>L</div>	90	180	190	90
	<div>L</div>	110	215	225	110
D31-T3-110G/132P	<div>H</div> <div>L</div>	110	215	225	110
	<div>L</div>	132	260	265	132
D31-T3-132G/160P	<div>H</div> <div>L</div>	132	260	265	132
	<div>L</div>	160	305	310	160
D31-T3-160G/185P	<div>H</div> <div>L</div>	160	305	310	160
	<div>L</div>	185	350	355	185
D31-T3-185G/200P	<div>H</div> <div>L</div>	185	350	355	185
	<div>L</div>	200	380	385	200
D31-T3-200G/220P	<div>H</div> <div>L</div>	200	380	385	200
	<div>L</div>	220	425	430	220
D31-T3-220G/250P	<div>H</div> <div>L</div>	220	425	430	220
	<div>L</div>	250	480	485	250
D31-T3-250G/280P	<div>H</div> <div>L</div>	250	480	485	250
	<div>L</div>	280	530	545	280
D31-T3-280G/315P	<div>H</div> <div>L</div>	280	530	545	280
	<div>L</div>	315	600	610	315
D31-T3-315G/355P	<div>H</div> <div>L</div>	315	600	610	315
	<div>L</div>	355	650	665	355
D31-T3-355G	<div>H</div>	355	650	665	355
D31-T3-400G	<div>H</div>	400	725	785	400
D31-T3-500G	<div>H</div>	500	860	890	500
D31-T3-560G	<div>H</div>	560	950	950	560
D31-T3-630G	<div>H</div>	630	1100	1100	630
D31-T3-710G	<div>H</div>	710	1280	1280	710
D31-T3-800G	<div>H</div>	800	1380	1380	800

DIMENSIONS

Unit, mm

0R7G/1R5G/2R2G/3G

H*W*D - 145*107*144

Mounting dimensions 135*95

4G/5R5G

H*W*D - 200*138*134

Mounting dimensions 188*124

7R5G/11G

H*W*D - 232*153*164

Mounting dimensions 220*139



15G/18G/22G

H*W*D - 335*200*195

Mounting dimensions 321*140

30G/37G

H*W*D - 410*260*214

Mounting dimensions 396*180



45G/55G

H*W*D - 560*305*300

Mounting dimensions 543*200

75G/90G/110G

H*W*D - 600*310*310

Mounting dimensions 583*240

132G/160G

H*W*D - 720*355*345

Mounting dimensions 698*240



185G/200G/220G

H*W*D - 920*480*390

Mounting dimensions 898*320

250G/280G/315G

H*W*D - 1100*480*405

Mounting dimensions 1078*320



355G/400G/500G

H*W*D - 1100*650*465

Mounting dimensions 1060*350

560G/630G

H*W*D - 2200*1100*800

Mounting dimensions 943*665



710G/800G

H*W*D - 2200*1400*800

Mounting dimensions 1100*665

