

Gozuk AC Drive Model Selection



[AC Drive Model Selection]

Voltage: 220V - 240V AC ± 15%

Model No.	Power (kW)	Current (A)	Dimensions (mm)	G.W (kg)
EDS800-2S0002	0.2	1.6	141.5*85*126	1.5
EDS800-2S0004	0.4	3		
EDS800-2S0007	0.75	4.7		
EDS800-2S0015	1.5	7.5		
EDS1000-2S0022	2.2	10	230*155*164	4

Voltage: 380V - 420V AC ± 15%

Model No.	Power (kW)	Current (A)	Dimensions (mm)	G.W (kg)
EDS800-4T0007	0.75	2.3	141.5*85*126	1.5
EDS800-4T0015	1.5	3.7		
EDS1000-4T0022G	2.2	5	230*155*164	4
EDS1000-4T0037G	4	8.5		
EDS1000-4T0055G	5.5	13	290*200*187	6.5
EDS1000-4T0075G	7.5	17		
EDS1000-4T0110G	11	25	345*218*221	10.5
EDS1000-4T0150G	15	33		
EDS1000-4T0185G	18.5	39	430*260*261	18
EDS1000-4T0220G	22	45		
EDS1000-4T0300G	30	60	505*280*261	25.5
EDS1000-4T0370G	37	75		
EDS1000-4T0450G	45	91	535*300*261	27
EDS1000-4T0550G	55	112		
EDS2000-4T0750G	75	150	680*480*369	70
EDS2000-4T0900G	90	176		
EDS2000-4T1100G	110	210	750*480*381	99
EDS2000-4T1320G	132	253		
EDS2000-4T1600G	160	304	1500*600*500	180
EDS2000-4T2000G	200	380		
EDS2000-4T2200G	220	426	1600*700*500	190
EDS2000-4T2500G	250	474		
EDS2000-4T2800G	280	520	1800*900*600	240
EDS2000-4T3150G	315	600		
EDS2000-4T3550G	355	650		
EDS2000-4T4000G	400	750		



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[Specification]

	Item	Description	
I/O Feature	Input voltage range	1AC 220~240V +15% 3AC 380~440V +15%	
	Input frequency range	50/60Hz	
	Output voltage range	0~rate input voltage	
	Output frequency range	0.00~400.00Hz	
	Over loading capacity	G type: 150% of rated current for 1 minute, 200% of rated current for 0.5s; P type: 120% of rated current for 1 minute (for type of 3.7kw~132kw); 110% of rated current for 1 minute, 150% of rated current for 1 second (for type of above 160kw) EDS2800 series: 150% of rated current for 3 minutes, 200% of rated current for 5 seconds	
Control Feature	Control mode	EDS800 series: optimal space voltage vector SVPWM constant voltage frequency ratio V/F control; EDS1000 series: Speed sensorless slip vector control, open loop V/F control; EDS2000 series: optimal space voltage vector PWM control; EDS2800: simple current vector control.	
	Speed regulation range	1:100	
	Start torque	100% of rating torque at low frequency for EDS800 series; 150% of rating torque at 1 Hz for EDS1000 series; 150% of rating torque at 3 Hz for EDS2000 series; 130% of rating torque at 1 Hz for EDS2800 series.	
	Speed control accuracy	≤ ±0.5% of rating synchronous speed	
	Frequency precision	Digital setting: max frequency *± 0.01%; analog setting: max frequency *± 0.5%	
	Frequency resolution	Analog setting: 0.1% of max frequency Digital setting: 0.01Hz Exterior pulse: EDS800/1000 series: 0.5% of max. frequency; EDS2000 series: 0.1% of max frequency Digital keyboard settings: 0.01Hz	
	Torque boost	Automatic torque boost, manual torque boost 0.1%~20.0%	
	V/F curve	Set rating frequency randomly at range of 5~400Hz, can choose constant torque, degressive torque 1, degressive torque 2, degressive torque 3 and user defined V/F curve in total 5	
	Accelerating decelerating curve	Modes: straight line accelerating decelerating, S curve accelerating decelerating and automatic Acc/Dec mode; 4 kinds of Acc/Dec time (unit of minute/second can be optioned), max is 6000 minutes. EDS1000 series has two models: straight line accelerating decelerating, and S curve accelerating Decelerating; 7 kinds of accelerating decelerating time (unit of minute/second can be optioned), max is 6000 minutes.	
	Brake	Power consumption brake: Interior or exterior braking resistance for EDS1000/EDS2000; exterior braking resistance for EDS800 series (built-in braking unit) DC brake: Optional start-up and stop, action frequency 0~15Hz, action volt. 0~15%, action time 0~20.0s	
	Jog	Jog frequency range: 0.50Hz~50.00Hz; jog accelerating decelerating time 0.1~60.0s can be set	
	Multi-section speed running	Realized by interior PLC or control terminal	
	Interior PID controller	Be convenient to make closed-loop system	
	Automatic energy save running	Optimize V/F curve automatically based on the load to realize power save running	
	Automatic volt. regulation (AVR)	Can keep constant output volt. When power source voltage varies.	
	Automatic current limiting	Limit running current automatically to avoid frequent over-current which will cause trip	
	Running function	Running order specified channel	Keypad provision, control terminal provision, serial port provision
		Running frequency specified channel	Digital provision, analog provision, impulse provision, serial port provision, combined provision, can be switched at any time by kinds of method.
pulse output channel		Impulse square wave signal output of 0~50KHz (for EDS1000/EDS800 it is 0~20KHz) can realize output of physical parameter such as setting frequency, output frequency and etc.	
Analog output channel		2 channel of analog signal output, each channel can be 4~20mA or 0~10V (for EDS800 series: 1 channel of analog signal output AO, which can be 4~20mA or 0~10V), through them the inverter can realize output of physical parameter such as setting frequency, output frequency and etc.	
Special channel of EDS2800		2-way 0-1A and 2-way 0-10V isolated analog input signal	
Configuration	Defending grade	IP20	
	Cooling mode	By fan with automatic temperature control	
Keypad	LED display	Can display setting frequency, output frequency, output voltage, output current etc. in total 20 kinds of parameter (EDS800 has 14 kinds of parameter)	
	Button lock	Lock all of the buttons; For EDS1000/EDS800: Lock all or part of the buttons(analog potentiometer can't be locked)	
	Parameters copy	Parameters can be quickly copied. by using of keyboard and remote-control keypad(EDS800/EDS1000 series haven't this function)	
Environmental Constraint	Temperature	-10℃ ~ +40℃; AC drive will be derated if ambient temperature exceeds 40℃; each rise 1℃, the derate will be 5%	
	Humidity	5%-95%, without condensation	
	Altitude	≤1000m; ac drive will be derated if above 1000m	
	Impingement and oscillation	Normal running: <5.9m/s ² (0.6g); Transportation: <15m/s ² (1.5g)	
	Store environment	-40℃ ~ +70℃; no dust, no corrosive gas, no direct sunlight	