Yolico

【User instrucation】

The Variable Frequency Drive (VFD) is Subject to Speed Control at 3 phase Induction Motors in Industrial Environment

【Warning】⚠

- While using the VFD in Specific Environment, such as Nuclear Power Control Equipment, Aviation, Transportation, and Various of Safty Devices. Please contact us In Advance to Prevent Any Serious Problem or Human Injury.
- The VFD is Produced by Well Quality Control Managerment, but it shall Add Necessary Safty Devices while Using in Critical Equipment
- It Will Not Cause Serious Damage if VFDs Can Not Work Well with Correct Outputs

【Notice】

Yolico will not to Compensate the Machinery Damaged and Related Loss, which Caused by VFDs. Whatever in Warranty Period or Not.

【Warranty】

Yolico provides Free Repair by Following Conditions:

1. By Correct Installation and Operation, Yolico provides 1 year Free Repair if it caused by our Design and Production Problems
2. Warranty Repair Covers the VFD only
3. During Warranty Pperiod, Yolico will Charge by Following Conditions:
   a) Wrong Operation or Any Fail by Un-Authorized Modifications
   b) Damage by Delivery
   c) Damage by Fire, Sault, Earthquake, Typhoon, Thunder, Electric Shock or Any Un-Predictable Damage by Natural
   d) Out Specification Using
4. Yolico Comply with Other Special Warranty Conditions in Contract.

- Customers shall take the Responsibility to Maintain VFDs

Distributor

宫川株式会社 (COOPERATION)
YOLICO ELECTRIC (WUXI) CO., LTD

No.9, Lianhe Road, Binhu District, Wuxi, Jiangsu
TEL: +86-0510-85161131/85161132
FAX: +86-0510-85161139
Web: www.yolico.com
E-mail: overseas@yolico.com

Yolico

Quality comes with Prudence
Prudence builds Excellences

WWW.YOLICO.COM

E-mail: overseas@yolico.com

宫川株式会社 (COOPERATION)
YOLICO ELECTRIC (WUXI) CO., LTD

Inverter CE

Yolico

Quality comes with Prudence
Prudence builds Excellences

YD Series General / Flux Vector Control Drive

Yolico

YD Series Drive would satisfy all your requests.

With robust and high performance products, Yolico Drive could be your best solution for applications

- Flux Vector Control
- Enhanced Starting Torque
- High Performance for Overload Ability
- High Accuracy for Output Frequence
- Zero Servo Control
- Four Quadrants Operation
- PID Control
- 2 sets Motor Parameter
- V/F Pattern Setting
- Dynamic Self-Study

YD1000 Compact, High Performance Drive
3Ø 400V Class 0.75~ 15kW
3Ø 200V Class 0.45~ 15kW
1Ø 200V Class 0.2~ 2.2kW

YD2000 General Purpose FAN and Pump Application Drive
11kW~ 630kW (Fan/ Pump/ VT Application)

YD3000 Econmic Vector Control Drive
1.5kW~ 55kW (Vector Control)

YD5000 Flux Vector Control Drive
1.5kW~630kW (Enhanced High Starting Torque,
High Overload Ability, High Performance for all kinds of Load)

CE

宫川株式会社 (COOPERATION)
YOLICO ELECTRIC (WUXI) CO., LTD

No.9, Lianhe Road, Binhu District, Wuxi, Jiangsu
TEL: +86-0510-85161131/85161132
FAX: +86-0510-85161139
Web: www.yolico.com

日本东京都中央区明石町6番4号
TEL: +81-03-3543-8491
FAX: +81-03-3545-9219

Series

YD1000 Compact High Performance, and Energy Saving Vector Control Drive

Power Range : 3Ø 380~ 460VAC, 0.75kW~ 15kW
3Ø 200~ 240VAC, 0.75kW~ 15kW
1Ø 200~ 240VAC, 0.2kW~ 2.2kW
Starting Torque: 150% Rated Torque at 1HZ
High Overload Ability 60 Seconds at 150% , Overcurrent Ability up to 200% and above
Maximum Output frequency: 320HZ

YD2000 General Purpose FAN and Pump Application Drive

Power Range: 3Ø 380~460VAC, 1.5kW~ 630kW
Starting Torque: 120% Rated Torque at 1HZ
High Overload Ability 60 Seconds at 120% , Overcurrent Ability up to 150% and above
Maximum Output frequency: 400HZ

YD3000 High Performance Economic Current Vector Control Drive

Power Range : 3Ø 380~460VAC, 1.5kW~ 55kW
Starting Torque: 150% Rated Torque at 1HZ
High Overload Ability 60 Seconds at 150% , Overcurrent Ability up to 200% and above
Speed Control Accuracy: 0.2%, Output Frequency Resolution: 0.01HZ
Maximum Output frequency: 400HZ

YD5000 High Performance Full Digital Control, Flux Vector Drive

Power Range : 3Ø 380~ 460VAC, 1.5kW~ 630kW
High Starting Torque : 150% Rated Torque at 0 RPM
High Overload Ability 60 Seconds at 150% , Overcurrent Ability up to 200% and above
Precisely Speed Control: Speed Control Accuracy 0.02%*, Output Frequency Resolution: 0.01HZ
Precisely Torque Control: Torque Control Accuracy 5%*
Harmonic Inhibition: DC Reactor built-in for Rating 18.5kW and above
Maximum Output frequency: 400HZ

YD5000-Z Worse Environment Containment, High IP Level Flux Vector Control

Power Range : 3Ø 380~ 460VAC, 1.5kW~ 630kW
High Starting Torque : 150% Rated Torque at 0RPM
High Overload Ability 60 Seconds at 150% , Overcurrent Ability up to 200% and above
Precisely Speed Control: Speed Control Accuracy 0.02%*, Output Frequency Resolution: 0.01HZ
Precisely Torque Control: Torque Control Accuracy 5%*
Harmonic Inhibition: DC Reactor built-in from Rating 18.5kW and above
Maximum Output frequency: 400HZ

YD5000 High IP Level series, Protection Level IP54, which can be used to Dust Environment
*: With PG Vector Control Mode

YD5000/ YD3000/ YD2000 series

General Functions

Friendly easy operation

Parameters can be selected very easily by logic groups.

Various Frequency Command Given

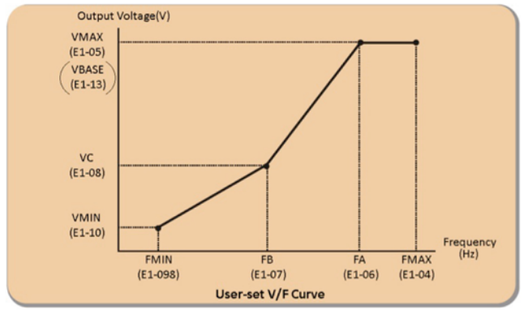
"Multi-Channel Analog Inputl Given: 2 off Voltage Signal Input Channel: 0~10VDC or 0~+/-10VDC (Motor Reverse with Negative Input)
1 off Current Signal Input Channel: 0(4)~20mA (Voltage Signal Input avaliable by Parameter Setting)
Setting Frequency Command by Digital Operator
Communication Command
Option Cards

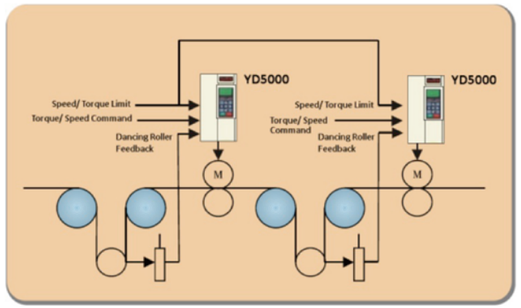
Dynamic Self-study Mode

Self-study Mode works at vector control. VFD can automatically set by the details of motor's nameplate, and works efficiently.

Various V/F Curve setting

There are totally 15 preset V/F curves setting and 1 adjustable V/F curve setting can be selected, it includes High Starting Torque Curve, Constant Torque Curve, Variable Torque Curve, High-speed Operation . It can match different kinds of loading, also User-set V/F curve can works at PG Vector Control Mode as well.





PID control function

"PID Control Function may through controling the Rotational Speed of Motor to achieve the controlled Process Quantity as the Target, this Process Quantity may be the Temperature, Flow, Pressure, Speed and so on.

The purpose of PID Control is caused the Process Quantity stabilizing as the Target (Setting) Value finally. The PID Control with Feedforward Speed Setting Function is comprehensive used in the Synchrunization or Winder/ Unwinder Control System.

The Given Command and the Feedback Quantity which decide the Output Frequency of VFD.

YD5000/YD3000/YD2000 Series

Gerneral Functions

Monitor Function

The following items can be monitored with the Digital Operator: Frequency Command, Output Frequency, Output Current, Motor Speed, Output Voltage, Main Circuit DC Voltage, Output Power, Torque Command, Input Terminal Status, Operating Status, Speed Deviation, PID feedback Value, PID Output Value, Fault History, etc. With Monitor Function, both Inveter and Motor will have better performance, and very convinent for comissioning.

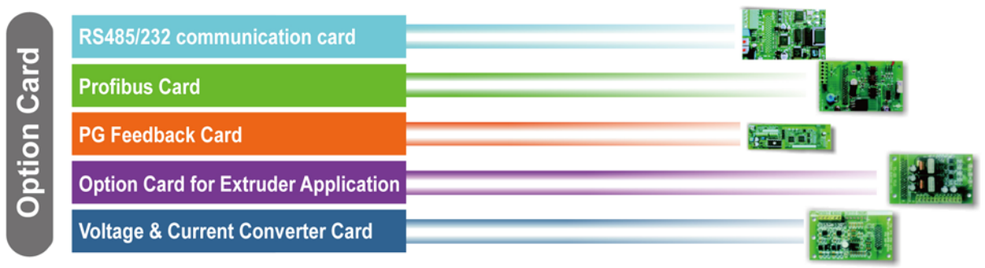
Full Protection Function

Over Load, Over Current, Over Voltage, Over Torque, Low Voltage, Phase Loss, Ground Fault, etc. To make sure the equipemnt operates properly.

Energy Saving Control

"Automatically adjust output voltage according to loading at vector control in order to give better performance when motor operates on different load. It improves motor efficiency then saves energy."

Communication and Option card



Support variety protocol

Support Profibus, DeviceNET protocol with Option Card. MEMOBUS built-in.

Environmental Protection — Better Designing for Better Environment

High Harmonic Solution

DC Reactor Built-in for YD5000 18.5kW~ 315kW, to reduce high harmonic. (DC Reactor is optional for 1.5kW~ 15kW)
DC Reactor Built-in for YD2000 11kW~3 15kW.
1.5kW~ 315kW Inverter, it is possible connect to AC Reactor. (Optional)

Low Audio Noise

The Output Circuit of the Inverter is an IGBT (Insulated Gate Bipolar Transistor). Using Sine-Wave PWM with a High-Carrier Frequency, the Motor will not generate the Metallic Audio Nosie. The Motor Audio Noise is almost same as the Grid Power Supply, when the Motor is drived by Inverter.

YD5000 Series Inverter

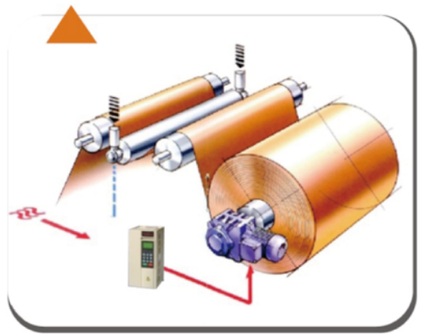
The Unique Function with PG Flux Vector Control

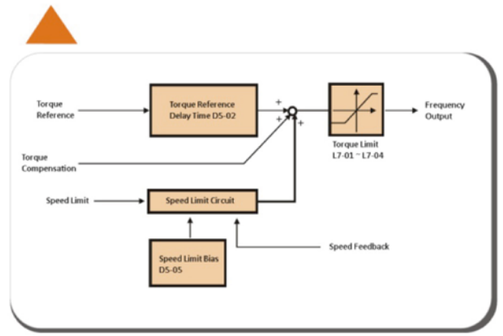
Torque

For all Winding Device，the Accelerating and Decelerating Torque will be varied by the Load Situation. For the Central Winding System, the requiring Torque will be varied following the diameter of Spool Piece. What you need is a Device can precisely Control The Output Torque in the Torque Control Mode. Using the Torque Control Function of YD5000 Series VFD can solve this problem easier.
Take an Example: The tip of Winding Operation is Controlling the Tension of Winding Material. For keeping the constant Tangential Tensile Strength in the different Line Speed or Rotating Diameter stiuation, the VFD must support following the Torque Reference in a huge range.

Torque Control Function

In the Torque Control, the Motor output the Torque accords to the Torque Command by the Analog Input. In according to reach the Output Torque, VFD will not control the Motor Speed, the Output Frequency will be Increased/ Decreased by VFD automatically.
To avoid the Motor Over Speeding when the Load Torque lose suddenly, that can use the Speed Limit Function.



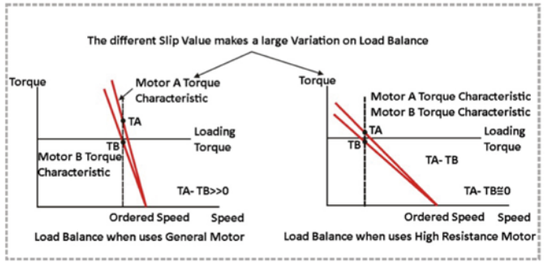


Torque Improvement

In PG Sensorless Control, using the Torque Compensation in according to response to the Torque Command when Start the Motor ASAP. It helps the Heavy Frictional Load Application such as Traveling/ Hoisting/ Lifting...etc, the application requires the Starting Torque

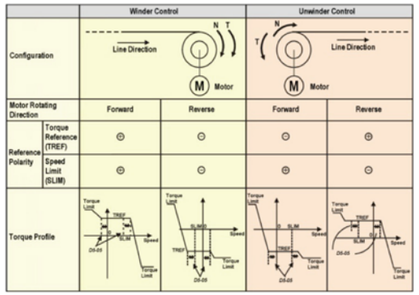
Four Quadrants Operation

The Torque Direction could be oppsite with Motor Speed Direction, such as the process of lift running down with Heavy Load, Unwinding Process..etc. It is easy relization.



Zero Servo Control Function

It helps motor can output 100% Holding Torque at 0 Speed. It sufficient guarantee the Positioning ability of Device when in Stopping Stiuation.



DROOP Control Function

It allows user to set the Motor Slip Value, when Arigidity Load is operated with two Motors (such as a Crane/ Conveyor).
Also, it is easy to make Adjustment watching the Load Balance, because the value of Slip can be set arbitraily.

YD1000 Features

Advantage Main Circuit Semi-Conductor Component

Mitsubishi DIP-CIP high efficiency module inside.

User Friendly Frequency Potentiometer

Easy setting Frequency and Founctions with Big Potentiometer and Run/Stop Button on the keypad. Therfore it is also simple and convenience for operating even the people is first time using the YD1000.

Built-in PI control function

PI Control Function built-in for Fan and Pump Applications usage. For Constant Temperature, Pressure, and Flow Control.

Vector Calculation Control and Auto-Tuning

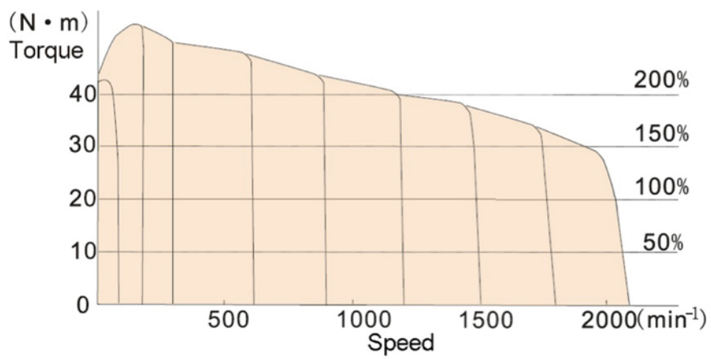
Compact, and Sensorless Vector Control offers Low Speed Starting torque over 150% of Rated Torque. Because the Auto-Tuning automatically corrects the Motor Parameter required for Sensorless Vector Control.

Automatic Setting Function

Save the Time and Labor Cost. Just wire the Motor and Popwer Supply, and Press the RUN Button. The "Auto Setting Functions" will take care of the tedious Adjustment and Parameter Setting.

- Acceleration/ Deceleration Time Automatically
- Enlarge Torque Automatically
- Environment Setting Automatically

Torque Characteristic of Sensorless Vector Control



Applications

Crane & Hoist

Construction, Loading & Unloading, Electric Overhead Traveling, Container, Stackers.

Steels & Metals

Continuous Casters/ Process Lines/ Finishing Mills/ Hot, Cold Rolling Mills /Tension Levelers/ Shears, Slitters, Cut-to-Length/ Single, Multi Stand Rolling Mills/ Wire, Rod, Tube Mills/ Aluminum Sheet Casters/ Overland Conveyors/ Stamping Press

Elevator & Escalator

Freight/ Passenger

Pulp/ Paper

Paper Machines/ Digesters/ On and off machine Coaters/ Refiners/ Fan Pumps/ Supercalenders/ Chip Storage and Retrieval/ Debarking/ Water-Wastewater Treatment/ Winders/ Rewinders.

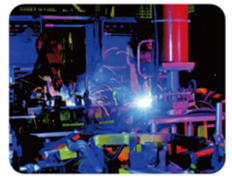
Fibers & Textiles

Spinning/ Roving/ Doubling/ Shuttleless Loom

Printing & Packaging

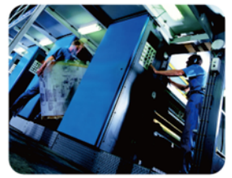
Coordinated Roller Conveyors/ Line Shaft on a Printing Press/ Spray Painting

Food Machine



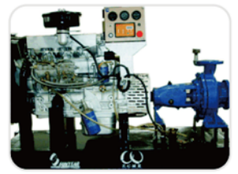
Plastomer Machine

High Performerce Optional Plastic Extruder Card, it is easy to control Extruding Process and High Energy Saving Effect.
Molding/ Injection Molding



Fan & pump

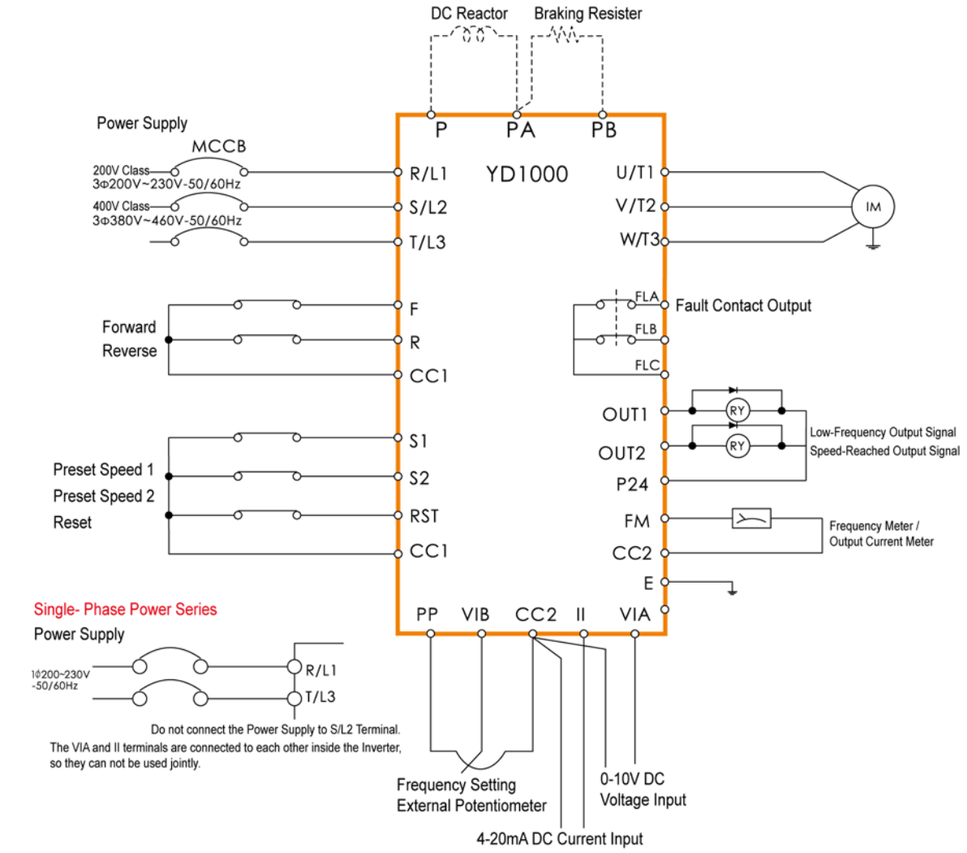
Fan/ Pump/ Compressor/ Blower/ Water/ Wastewater



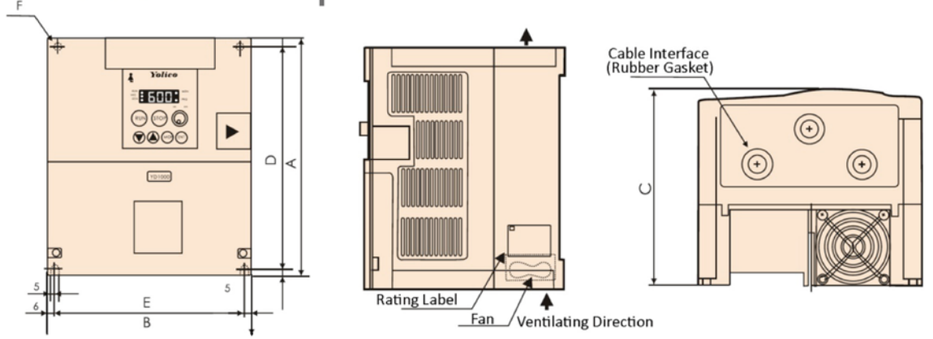
Automation/ Tool Machine

Carving/ Tresting/ Drilling/ Grinding Wheel/ Boring/ Cable Making/ Bending Presses/ Engraving

YD1000Connection Example(Diagram)



YD1000Envelope Dimension



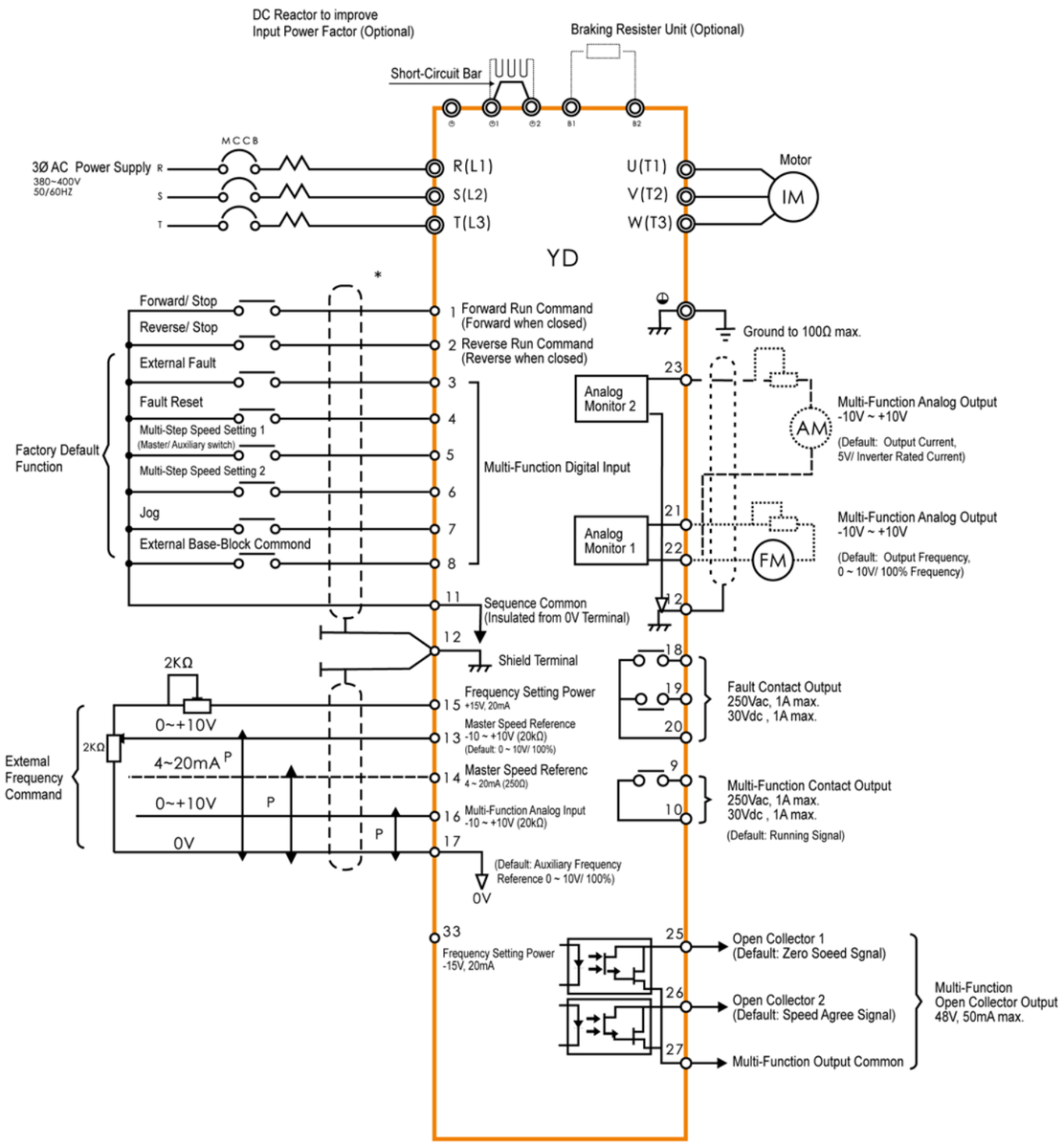
Model Name \ Frame Size	A	B	C	D	E	F
YD10P7-T4~YD13P7-T4	182	147	160	171	137	5
YD11P5-T2S~YD12P2-T2S YD11P5-T2BS~YD12P2-T2BS						
YD15P5-T4~YD17P5-T4	212	183	162	200	171	5
YD10P4-T2S~YD10P7-T2S YD10P5-T2BS~YD12P2-T2BS	152	106	135	138	92	4. 5
YD1011-T4~YD1015-T4	317.5	208	224.8	295	160	6

YD1000/Series Standard Specification

Frame Size			Specification									
Input Voltage Class			3Ø 400V Input/ 1Ø 200V Input									
			0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
Applicable Motor Capacity (kW)			YD1000									
Rated Output	3Ø 400V Class	YD1000-T4	—	—	10P7	11P5	12P2	13P7	15P5	17P5	1011	1015
	1Ø 200V Class	YD0100-T2S	10P2	10P4	10P7	11P5	12P2	—	—	—	—	—
	Capacity (kVA)		0.6	1.2	1.6	3.0	4.0	6.5	9.5	13	19	25*1
	Rated Ouput Current (A)	3Ø 400V Class	—	—	2.1	3.7	5.0	8.5	13	17	25	32.6*1
		1Ø 200V Class	1.5	3.0	4.0	7.5	(10.0)	—	—	—	—	—
Power Source	Voltage, Frequency		3Ø 380~460V Input, 50/60Hz/ 1Ø 200~230V, 50/60Hz									
	Tolerance		Voltage± 10%, Frequency± 5%									
Main Control Specification	Control method		Sinusoidal Wave PWM Control									
	Rated Output Voltage		The Output Voltage is controlable between 0 and 120% of Rated Voltage with the Power Supply Voltage Compensating Function, privided the Rated Voltage is 100%. (Output Voltage is ≤ Input Voltage)									
	Output Frequency Range		0.5~320Hz: Default Value is 0.5~80Hz. Maximum Frequency is adjustable between 30 and 320Hz									
	Frequency Setting Resolution		0.1 Hz: input by Operator, 0.2Hz: Analog Input (At the Maximum Frequency is 100Hz)									
	Frequency Accuracy		Digital Setting: ±0.01% of the Maximum Output Frequency or less (At -10~+50°C) Analogl Setting: ±0.5% of the Maximum Output Frequency or less (At 25 ± 10°C)									
	Voltage/ Frequency Characteristic		V/f Constant Mode, Square Reduction Mode, Sensorless Vector Control Mode, Automatic Torque Boost Mode, Energy Saving Mode, Base Frequency(25~320Hz) Adjustment, Torque Boost (0~30%) Adjustment									
	Overload Current Rating		60 Seconds at 150%									
	Frequency Setting Signal		Built-In POT, External POT (1k~10kΩ Potentiometer connection), 0~10Vdc (Input Impedance VIA= 30.55kΩ, VIB= 30kΩ), 4~20mAdc (Input Impedance 400Ω), Control Characteristic (Gain/ Bias) can be preset by a 2 points setting.									
	PI Control		Proportional Gain/ Integration Gain Adjustment									
Operation Functions	Start Frequency		Adjustable between 0 and 10Hz									
	Jump Frquency		Three points (by setting Jump Frequency and Jump Frequency Width)									
	PWM Carrier Frequency		Adjustable between 2.2kHz and 12kHz (Default: 12kHz)									
	Acceleration/ Deceleration Time		0.1~ 3600 seconds, Acceleration/ Deceleration Time #1 and #2 selectable, Acceleration/ Deceleration Time #1 and #2 S Pattern selectable									
	Retry Operation		Retry Functions are enable for 10 times maximum (Set by the Parameter) after the Main Circuit Elements if a Protective Function is actived									
	Dynamic Braking		Connect to External Braking Resister. (Option)									
	DC Injection Braking		Braking Start Frequency (0~Max. Frequency), Braking Level (0~100%), Braking Time (0~20 S)									
	Input Terminal Functionon (Selection)		Forward/ Reverse Rotation, Jog Operation, Preset Speed Selection (Up to 15 Preset Speed Selection), Emergency Stop, Reset, etc									
	Output Terminal Functionon(Selection)		Lower Speed Detection, Selected Speed Reached, etc									
	Fault Detection Signal		1C Contact Output (250Vac-2A, 30Vdc-2A Resistive Load, 0r 250Vac, 30Vdc-1.5A Inductive Load)									
	Frequency/ Current meter		Analog Output (1mAdc Full Scale DC Ammeter, or 7.5Vdc-1mA Full Scale Ammeter or Retifying AC Voltmeter, 225% Current maximum for 1mA, 7.5Vdc Full Scale)									
Protective Functions	Protective Function		Stall Prevention, Current Limit, Over Current, Output Short-Circuit, Overvoltage, Overvoltage Limit, Undervoltage, Overload by Electronic Thermal Relay, Arm Over Current during Starting, Over Current on Load Sise when Starting, Emergency Stop (Selection), Over Heat									
	Measures Against Momentary Power Loss		Auto-Restart and Regeneration Power Ride-Through Control									
	Electric Thermal Protection Characteristic		Standard Motor and Constant Torque VF Motor selectable, Over Load Trip and Over Load Stall selectable									
Display Function	4 Didital 7 Segment LED		Frequency Display: Inverter Output Frequency Alarm Display: Install Prevention Alarm ""C"", Over Voltage Alarm ""P"", Over Load Alarm ""L"" Status Display: Inverter Status (Setting Frequency, Cause of Trip, Input/ Output Voltage Output Current, etc), and Setting Parameters. Free Unit Display: Arbitary-Unit Display for Output Frequency "									
	Indicator LEDs		Display Inverter Status with Run indicator, MON indicator, VEC indicator, EC indicator,, POTENTIOMETER indicator,, UP/ DOWN Key indicator,, RUN Key indicator Charging the Main Circuit Capacitor by a Charge indicator.									
Service Conditions	Norminal Operation		Indoor used, Altitude of 1000 meters or less, must not exposed to Direct Sunlight, or Corrosive Materials/ Chemical Gases or Vapor. Vibration Sustention must be 5.9m/S² (0.6G)or less (at 20~50Hz)									
	Ambient Temperature/ Humidity		-10~ +40°C (Maximum 50°C possible when the Top Seal is removed)/ 85% or less (Non Condensing)									
Protection Structure/ Cooling Structure			IP20/ Self Cooling				IP20/ Forced Air Cooling					

YD2000/3000/5000Connection Example(Diagram)

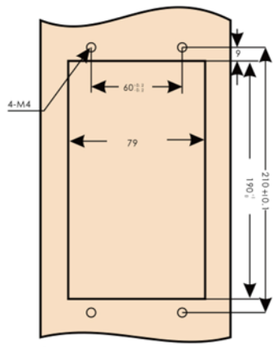
Please follow the Diagram making a Wire Connection.
When using the Digital Operator, the Motor can be operated by wiring only the Main Circuit.



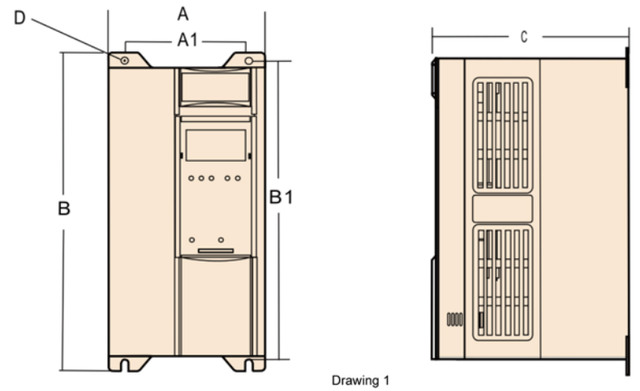
YD Series/Standard Specification

	Model		YD5	1P5	2P2	3P7	5P5	7P5	011	015	018	022	030	037	045	055	075	093	110	132	160	185	200	220	250	280	315	355	400	450	500	630
			YD3	1P5	2P2	3P7	5P5	7P5	011	015	018	022	030	037	045	055																
			YD2						011	015	018	022	030	037	045	055	075	093	110	132	160	185	200	220	250	280	315	355	400	450	500	630
Rated Output	Applicable Motor Capacity (kW)			1.5	2.2	3.7	5.5	7.5	11	15	18	22	30	37	45	56	75	93	110	132	160	185	200	220	250	280	315	355	400	450	500	630
	Capacity (kVA)		YD5	3.7	4.7	6.1	11	14	21	26	31	37	50	61	73	98	130	140	170	200	230	260	300	340	380	430	460	490	519	585	650	780
			YD3	3.7	4.7	6.1	11	14	21	26	31	37	50	61	73	98																
			YD2						19	24	28	33	46	54	68	84	113	130	159	185	220	250	285	317	368	422	426	465	500	550	600	730
	Rated Ouput Current (A)		YD5	4.8	6.2	8	14	18	27	34	41	48	65	80	96	128	165	180	224	260	302	340	380	450	470	530	605	695	788	890	986	1185
			YD3	4.8	6.2	8	14	18	27	34	41	48	65	80	96	128																
			YD2						25	32	37	44	60	72	90	110	144	167	210	240	284	322	368	420	445	520	560	655	750	830	920	1120
	Series			YD5000													YD3000								YD2000							
	Max. Output Voltage(V)			3Ø 380/ 400/ 415/ 460V(Proportional to Input Voltage)																												
	Rated Output Frequency			Up to 400Hz (Avaliable by Programming)																												
Power Supply	Voltage, Frequency			3Ø 380/ 400/ 415/ 460V, 50/ 60Hz																												
	Allowable Voltage Fluctuation			+10%,-15%																												
	Allowable Frequency Fluctuation			-5%																												
Control Characteristic	Control Method			Current Flux Vector, Sine Wave PWM																												
	Torque Characteristic			150% at 1Hz (150% at 0 Rpm with PG)													150% / 1Hz															
	Speed Control Range			1:100 (1:1000 with PG)													1:100															
	Speed Control Accuracy			±0.2% (25°C ± 10°C) (±0.02% with PG)													±0.2% (25°C ± 10°C)															
	Speed Control Response			5Hz (30Hz with PG)													5Hz															
	Torque Limits			Provided (4 Quadrant Steps can be changed by Parameter Setting)													Provided (Only 2 Quadrant Steps)															
	Torque Control Accuracy			±5%													No Torque Control Function															
	Frequency Control Range			0.1~400Hz																												
	Frequency Accuracy (Temperature Characteristic)			Digital Reference: ±0.01% (-10°C ~ +40°C)													Analog Reference: ±0.1% (25°C ± 10°C)															
	Frequency Setting Resolution			Digital Reference: 0.01Hz, Analog Reference: 0.03Hz/ 60Hz (11 bits + Sign)																												
	Output Frequency Resolution (Caculation)			0.001 Hz																												
	Overload Capacity			150% Rated Current for 1 minute																									120% Rated Current for 1 minute			
	Frequency Setting Signal			Analog -10 ~ +10V, 0 ~ 10V, 4-20mA																												
	Acceleration/ Deceleration Time			0.01 ~ 6000Seconds(4 Selectable Combinations of Independent Acceleration and Deceleration Settings)																												
	Braking Torque			Approximately 20%																												
Protective Functions	Motor Protection			Protection by Electric Thermal Overload Relay																												
	Instaneous Overcurrent Protection			Stops at approx. 200% of Rated Output Current																									Stops at approx. 150% of Rated Output Current			
	Fuse Blown Protection			Stops as Fuse Blown																												
	Overload Protection			150% Rated Current for 1 minute																									120% Rated Current for 1 minute			
	Overvoltage Protection			Stops when Main Circuit DC Bus Voltage is approx. 820V																												
	Undervoltage Protection			Stops when Main Circuit DC Bus Voltage is approx. 380V																												
	Momentary Power Loss Ridethru			Stops for 15mS or more. By selecting the Momentary Power Loss Mode, operation can be continued if Power is restored within 2 Seconds																												
	Cooling Fin Overheating			Portection by Thermistor																												
	Stall Prevention			Stall Prevention during Acceleration, Running, Deceleration																												
	Grounding Protection			Protection by Electric Circuit (Overcurrent Level)																												
	Charge Indicator (Internal LED)			Lit when the Main Circuit DC Bus Voltage is approx. 50V or more																												
Environment	Ambient Operating Humidity			-10°C ~ +40°C (Enclosed Wall-Mounted Type) -10°C ~ +45°C (Open Chassis Type)																												
	Ambient Operating Temperature			90%RH below																												
	Storage Temperature			-20°C ~ +60°C																												
	Application Site			Indoor (No Corrosive Gas, Dust, etc.)																												
	Altitude			1000 m max.																												
	Vibration			10 ~ 20Hz, 9.8m/S² (1G) max.; 20 ~ 50Hz, 2m/S² (0.2G) max.																												
Option Functions	Profibus Communication			Yes (by Option Card)													None															
	DeviceNet Communication			Yes (by Option Card)													None															
	RS-485 Communication			Yes (Built-In)																												
	PG Flux Vector Control			Yes (by Option Card)													None															
	PID Function			Yes (Built-In)																												
	Zero Server			Yes (by Option Card)													None															
	Speed Limit Function of Torque Control Mode			Yes (by Option Card)													None															

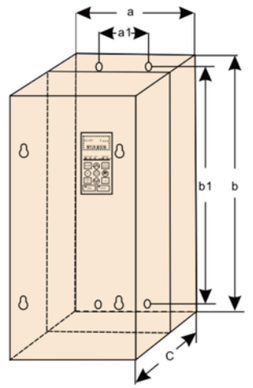
YD2000/3000/5000Envelope Dimension

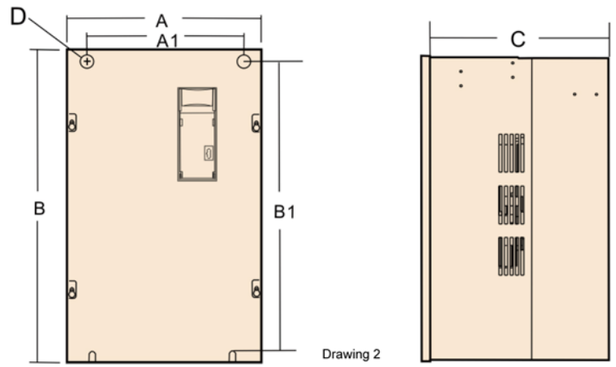


Screw hole dimension for external keypad



Drawing 1





Drawing 2

Model	Applicable Motor Capacity (KW)	Dimensions						Drawing
		A	A1	B	B1	C	D	
YD5000/3000	1.5-3.7	146	116	316	300	200	7	Drawing 1
	5.5-7.5	200	170	340	324	210	7	
YD5000 YD3000 YD2000	11-15	240	150	445	418	230	9	Drawing 2
YD5000	18.5-22	338	230	463	430	280	11	
	30-45	338	230	623	595	280	11	
	55-93	465	325	774	740	368	15	
YD5000/2000	110-185	585	445	924	895	400	15	
	200-250	765	625	1046	1015	404	15	
	280-315	1050	800	1645	1600	500	18	
	315-400							
YD3000/2000	18.5-30	300	212	464	437	288	9	
	37-45	331	275	556	530	288	9	
	55-93	408	275	646	620	342	11	

Full Supporting and Servise

Full Technical Support, Training and Servicet

Yolico has an Excellent Technical Team with Full Experience, and the Well Equiped Labortary in order to Support All Customers. With Our Experiences in Automation Field, Yolico would be Your Best Partner.

e-Service and Technical Data

You can Find and Download Products Information, Data, and News in Both Chinese and English from Yolico or Website. Yolico has Good Sales Channels in China and Overseas. You can also Ask (any) Supporting throw E-mail, We will contact you ASAP.
Don't be hesitated just ring us, or Visit Our Website www.yolico.com for more details now.

Business Reliability

Yolico Knows what Customer Concern About, We Provide Fast Delivery and Safe Transportation to Ensure All Customers can Receive Goods On Time.