

CDE360 series

High performance vector VFD

- High quality and reliability
- High overload capacity
- Good dynamic performance



Description

CDE360 series is Canworld based on CDE500 series of high-performance vector software platform developed, is a high-quality, multi-function current vector control inverter. Through the decoupling control of motor flux current and torque current, the rapid response and accurate control of torque are realized, and a wide range of speed regulation and torque control can be carried out with high precision. The new software and hardware platform, scientific production technology and complete testing equipment to ensure the stability of the product in the application of reliability.

Application

Widely used in textile, paper making, drawing, packaging, food and other industries, the perfect application of multi-pump constant pressure water supply, cooling fans, compressors, subway and tunnel ventilators, air conditioners, sewage treatment and other occasions.

Capacity



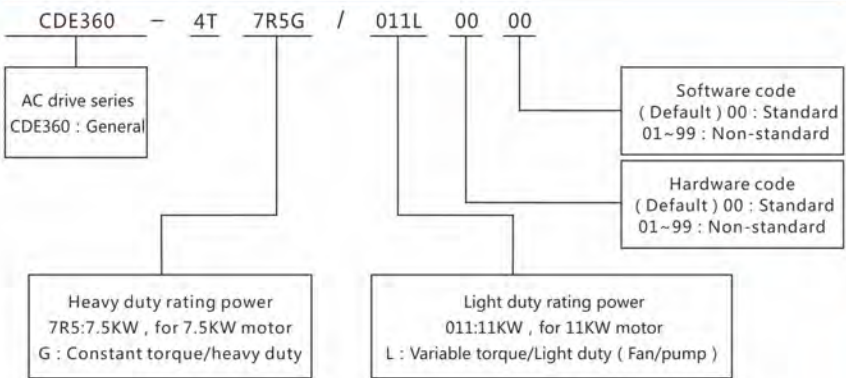
- Single phase 220V
0.75KW - 1.5KW
- Three phase 380V
0.75KW - 110KW
- Three phase 480V
0.75KW - 110KW



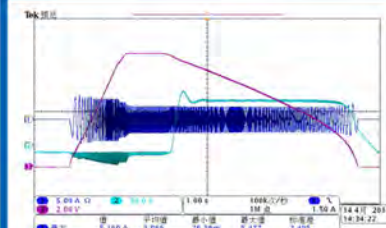
Features

- > 30G and below comes standard with built-in brake unit
- > 3500Hz output frequency, smooth and fast operation
- > Wide voltage input: supply voltage -15% -10%, 47Hz-63Hz, with under-voltage output to choose from, you can extend the scope of the supply voltage to -30% (such as 380V voltage level inverter 266V-440V).
- > High anti-interference ability: burst test: + - 4800V; static (air discharge): 8000V; electrostatic (contact discharge): 6000V; EMI circuit + lightning protection design.
- > Phase and short to ground protection: any phase short circuit protection <8uSec, U, V, W short circuit protection.
- > Anti-corrosion treatment: 8um nickel, the key parts of the three British three anti-paint.
- > Control Signal Power: Short-circuit protection at + 10V and + 24V supplies; + 10V with 30mA current output capability; + 24V with 200mA high current output capability.
- > Overload capacity: a full range of G-type inverter overload capacity of 150% for one minute, L-type inverter overload capacity of 120% a minute.
- > Rich configuration: Supports one expansion relay board: Expands four relays (T3-T4) and one Y terminal (Y3) to support a total of up to six relay outputs; CDE360-4T30G / 37L and below models have a built-in brake unit.
- > Speed tracking: Regardless of the current motor direction is forward or reverse, whether the motor speed is high or low, can ensure smooth tracking, a success.
- > Instantaneous stop non-stop: mains power outage, the inverter relies on motor feedback energy can be temporarily shut down; can achieve low voltage ride through.
- > Low-frequency current sine, high torque: 0.5Hz, you can output 100% of the rated motor torque.
- > Fast start and stop performance (1Sec, accelerated deceleration) (Figure 1).
- > Support multi-pump control: Support variable frequency fixed mode, frequency conversion cycle mode; stand-alone can achieve one for two, plus the expansion of the relay board, you can achieve a delay of four; can achieve auxiliary pump soft start; Support regular automatic switching.
- > Support more features:
 - Keyboard outside cited up to 1000 meters;
 - Swing frequency, fixed length and count;
 - PID + feedback disconnection detection + sleep, wake up;
 - Jog, multi-speed and simple PLC;
 - Support energy braking, DC braking, flux braking;
 - Undervoltage point, under voltage drop point;
 - Overvoltage stall point, energy consumption braking point, over-pressure point can be set flexibly;
 - Keyboard support parameters copy; support the use of expiration (special occasions, to facilitate the dealer to recover the purchase price)
 - Support the recent three groups of fault storage; AI / AO user calibration, access to high-precision analog input and output;
 - Support custom parameter display mode, quick and easy access to the desired parameters;
 - Support non-default display mode, quick grouping to find different parameters with the factory value;
 - With brake control function, to meet some of the industry to enhance the use.

Naming rules

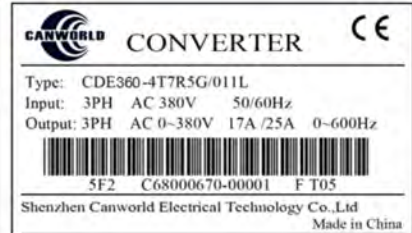


Textile



(Figure 1)

CH1 : Output current CH2 : Output frequency CH3 : Bus voltage



Models

CDE360-2S Technical Specification

Single phase 220V input

CDE360-	Capacity(KVA)	Input current(A)	Output current(A)	Brake unit	DC reactor	Keypad
2S0R7	1.5	8.2	4	Optional (internal)	None	Standard LED keypad
2S1R5	3	14	7			

Note : 1) The models in the table above do not have input phase loss protection. 2) The models in the table above are single and wall-mounted type.

CDE360-4T Technical Specification

Three phase 380V input

CDE360-	Capacity(KVA)	Input current(A)	Output current(A)	Brake unit	DC reactor	Keypad
4T0R7G/1R5L	2.0/3.0	3.4/5.0	2.6/3.8	Built-in	None	Standard LED keypad
4T1R5G/2R2L	3.0/4.0	5.0/5.8	3.8/5.5			
4T2R2G/3R7L	4.0/5.9	5.8/10.5	5.5/9			
4T3R7G/5R5L	5.9/8.9	10.5/14.6	9/13			
4T5R5G/7R5L	8.9/11	14.6/18	13/17			
4T7R5G/011L	11/16.4	18/25	17/24			
4T011G/015L	16.4/21	25/31.2	24/30			
4T015G/018L	21/24	31.2/39.2	30/38			
4T018G/022L	24/30	39.2/46.5	38/45			
4T022G/030L	30/40	46.5/62	45/60			
4T030G/037L	40/57	62/78	60/76	Optional (External)	Optional (External)	Standard LED keypad
4T037G/045L	57/69	78/93	76/91			
4T045G/055L	69/85	93/114.5	91/112			
4T055G/075L	85/114	114.5/153.5	112/150			
4T075G/090L	114/134	153.5/180	150/176			
4T090G/110L	134/160	180/214	176/210			
4T110G/132L	160/192	214/256	210/253			

Note : 110G/132L and below are single and wall-mounted type.

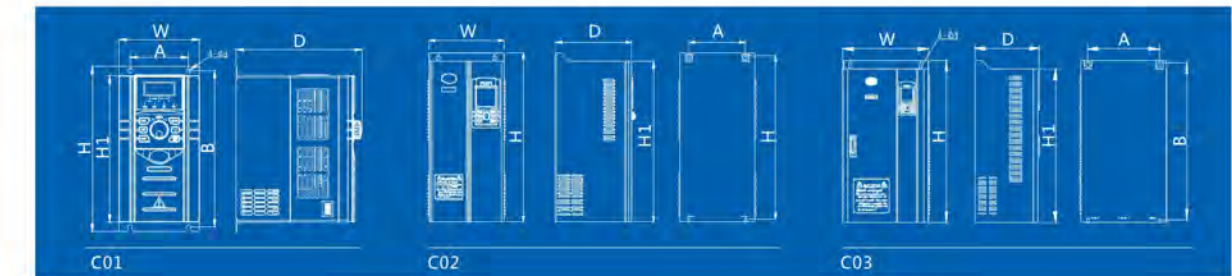
CDE360-5T Technical Specification

Three phase 480V input

CDE360-	Capacity(KVA)	Input current(A)	Output current(A)	Brake unit	DC reactor	Keypad
5T0R7G/1R5L	2.0/3.0	3.4/5.0	2.6/3.8	Built-in	None	Standard LED keypad
5T1R5G/2R2L	3.0/4.0	5.0/5.8	3.8/5.5			
5T2R2G/3R7L	4.0/5.9	5.8/10.5	5.5/9			
5T3R7G/5R5L	5.9/8.9	10.5/14.6	9/13			
5T5R5G/7R5L	8.9/11	14.6/18	13/17			
5T7R5G/011L	11/16.4	18/25	17/24			
5T011G/015L	16.4/21	25/31.2	24/30			
5T015G/018L	21/24	31.2/39.2	30/38			
5T018G/022L	24/30	39.2/46.5	38/45			
5T022G/030L	30/40	46.5/62	45/60			
5T030G/037L	40/57	62/78	60/76	Optional (External)	Optional (External)	Standard LED keypad
5T037G/045L	57/69	78/93	76/91			
5T045G/055L	69/85	93/114.5	91/112			
5T055G/075L	85/114	114.5/153.5	112/150			
5T075G/090L	114/134	153.5/180	150/176			
5T090G/110L	134/160	180/214	176/210			
5T110G/132L	160/192	214/256	210/253			

Note : 110G/132L and below are single and wall-mounted type.

Dimension



CDE360-	Physical dimension (mm)				Installation dimension (mm)			Dimensional drawing
	H	H1	W	D	A	B	Aperture	
Three phase 220V								
2S0R7	185		100	145	89	173	Φ5	C01
2S1R5								
Three phase 380V								
4T1R5G/2R2L	185		100	145	89	173	Φ5	C01
4T2R2G/3R7L								
4T3R7G/5R5L	225	200	110	170	80	213	Φ5	
4T5R5G/7R5L	265	240	130	190	91	253	Φ5	
4T7R5G/011L								
4T011G/015L	312	282	155	201	110	298	Φ6	
4T015G/018L	390	360	205	211	150	376	Φ6	
4T018G/022L								
4T022G/030L	480	450	250	243	180	460	Φ7	C02
4T030G/037L								
4T037G/045L	480	450	280	235	210	468	Φ7	
4T045G/055L	525	490	360	298	240	505	Φ9.5	C03
4T055G/075L								
4T075G/090L	587	552	394	310	260	567	Φ9.5	
4T090G/110L	722	687	394	330	260	698	Φ12	
4T110G/132L								