



## **NVF2G Inverter**

### 1. General

NVF2G-series inverters are high-efficiency open-loop vector inverter researched and developed independently by our company. It has the features of high starting torque (0.5 Hz, 1.5 times of rated torque), strong overload capacity, flexible and convenient operation and forward PID and reverses PID, etc. This series of inverter can be divided into mini type, general type (heavy load) and fan and water pump type (light load), with the functions of strong load adaptability, stable and reliable operation and automatic energy-saving operation, etc. This product can be widely applied to electric drive field and automation control field, such as papermaking, textile, water supply, municipal administration, food, concrete, chemical industry, printing and dyeing, metallurgy, mine and plastic machinery.

## Applicable equipment of the product











Draught fan

Pump

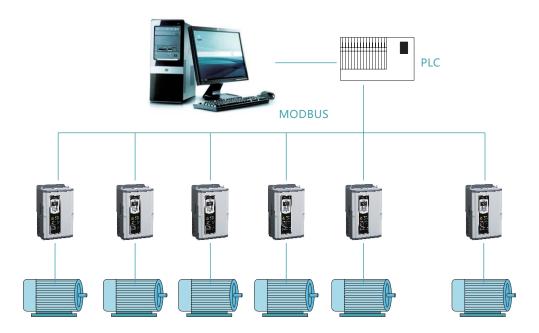
conditioning belt

machinery machinery

Packaging



#### 2. Product features



- 2.1 Excellent motor drive and control performance
- High starting torque: 0.5 Hz, 150% of rated motor torque;
- Superior energy-saving effect: the motor load more lighter more efficiency; Improve the operation efficiency of the motor through energy-saving control; the motor still operates under high-efficiency status regardless of the changes of load;
- Accurate motor parameter self-learning function: it can accurately conduct overall and static self-learning of motor parameters with
  convenient debugging and simple operation, which can improve the control accuracy and response speed;
- Speed tracking: during the restarting after recovery from the momentary power interruption, it can judge the rotate direction and speed of motor and continue to operate smoothly;
- External DC electric reactor (over 110 kW) can effectively restrain higher harmonic.
- The exclusive dead time compensation technology can increase the output torque;
- Wide carrier frequency: (1-15) kHz, can effectively reduce the operation noise of motor;
- Ultra-strong overload capacity -- Maintain 1 min under 150% of rated current; in heavy load, it is uneasy frequently to trip overload protection and ensures the continuous and stable operation of the equipment;
- Real-time load monitoring -- Real-time monitoring of bus bar voltage and motor current to ensure stable start and stop and quick tracking.

#### 2.2 High reliability design

- Design of the scope of universal input voltage: The fluctuation range of input voltage can reach up to  $\pm 15\%$ ;
- The function of input filtration can reduce harmonic interference effectively;
- The function of automatic voltage regulation (AVR) and automatic current limiting can make the system more stable;
- Perfect protection function and fault diagnosis system provide safe and reliable guarantee for the equipment.

## 2.3 Various application functions

- It adopts RS-485 communication interface and standard MODBUS communication protocol and can take networked automation control with external PLC equipment.
- It has wobble frequency, which is available for textile industry;
- The efficiently energy saving can be achieved by the built-in intelligent PID control and dormancy function;
- Simple PLC control: The inverter can operate in variable speed according to certain rule through simple PLC function; It not only can define one circular multistage frequency into the function code, but also can define the operation time, direction and number of cycles of the multistage frequency into the function code;
- Modular design: The NVF2G series inverter integrates the modular design that easy to be assembled and disassembled with the dismountable air heater and operation keyboard, which is easy for maintenance and usage;
- Design of common DC bus bar: Many inverters can be connected in parallel through common DC bus bar to share the feedback energy of braking, avoid overvoltage, stabilize the DC bus bar voltage of single inverter and make the equipment operate continuously and stably.

#### 2.4 Ultra-strong environmental suitability:

- The inverter should be used at an ambient temperature of -10°C to +40°C and derated by 1% per 1°C when over 40°C;
- The input range of wide voltage is the 15% fluctuation range of 380 V, which is available for various civil and industrial power grid;
- Circuit board is processed with conformal coating to make it available for various complicated working conditions.



#### 3. Various software functions

#### Speed tracking operation

**Start with the speed of motor under free-operation operation**The motor under free operation can be introduced to the set frequency automatically without the speed detector.

#### DC braking when starting

# Make the motor under free-operation operation stopping and restarting again

Under free operation, the motor will be automatically stopped by DC braking and re-started immediately when the rotate direction of the motor is uncertain.

### Automatic voltage regulation (AVR)

# Ensure the stable output voltage during the operation of inverter

During the voltage fluctuation of the power grid, the output voltage of invert will not change with it.

#### **Automatic current limiting**

## Automatically limit the output current to prevent frequent overcurrent

When the load fluctuation exceeds the current limit level, it will make automatic regulation to maintain the current within the allowed range.

#### **Torque limit**

# It will protect the machinery to ensure the reliable operation of machinery and equipment

It is helpful to protect the machinery by controlling the torque generated by the motor within the set value.

#### Frequency detection

# It is used to detect the frequency and is available for interlock of brake

When the output frequency is higher than the set value, it will output signal and is available for the interlock control of equipment.

#### Wobble frequency control

# It is operated by swinging up and down by taking the set frequency as the center

Wobble frequency is available for textile, chemical fiber and other industries and occasions needing traversing and winding function.

#### **Fault restoration**

#### To improve the reliability of continuous operation

Even if the inverter is detected for fault, it will reset automatically after auto-diagnosis to restart the operation without stopping the motor. The number of automatic reset is 3.

### Frequency skip control

# Skipping the special frequency to prevent the vibration of mechanical system

In order to prevent the vibration of mechanical system, it can automatically keep away from the resonance point when operating under the constant speed.

#### Multistage speed operation

# The program can be operated according to the set multistage speed

It can operate according to the frequency of internal storage based on the signal combination. Multistage speed control can be achieved through PLC. limit switch, etc.

### **Energy-saving operation**

#### Automatic operation with peak efficiency

Detect the load current and provide the motor with the peak efficiency voltage according to the load and rotate speed to achieve the most efficient energy saving operation.

#### Failure record

#### Storage the fault information automatically

When there is fault alarm, it will automatically record the current and voltage and fault type to provide reference for determining the fault cause.

#### **Dormancy control of water pump**

#### To reduce the mechanical wear

When the water consumption at night is less and the output frequency of inverter is lower than the dormancy frequency, the inverter will enter into dormancy status.

#### PID control

#### Automatic process control

It will conduct PID calculation in the inverter and take the calculation result as the frequency instruction to quantitatively control the pressure, flow and air volume, etc.

#### Restraint of overvoltage

#### Prevent fault and tripping due to overvoltage

It is valid to punch and other operations that regenerated repeatedly due to the crank motion; According to the regeneration status, it will increase or decrease the operation frequency to restrain the overvoltage.

#### Automatic torque boost

# To increase the low-frequency output torque under V/F control mode

It is used for setting the manual/automatic torque boost setting under V/F control mode to effectively increase the low-frequency torque of inverter.

# Inverter & Soft-Starter

## Inverter



## 4. Main parameter and technical performance

## 4.1 NVF2G Inverter specifications

## 4.1.1 Mini type

Input voltage class	Single-pha	ise 220V		
Inverter power (kW)	0.4/TD2	0.75/TD2	1.5/TD2	
Applicable motor power (kW)	0.4	0.75	1.5	
Rated output current (A)	2.5	4.5	7	

## 4.1.2 General type (T), fan and water pump type (P)

Input voltage class Single-phase 220V		3-phase		380V					
Inverter power (kW)	2.2/TD2	3.7/TD2	0.4/TS4	0.75/TS4	1.5/TS4	2.2/PS4,2.2/TS4	3.7/PS4,3.7/TS4	5.5/PS4	5.5/TS4
Applicable motor power (kW)	2.2	3.7	0.4	0.75	1.5	2.2	3.7	5.5	5.5
Rated output current (A)	10	16	1.2	2.5	3.7	5	9	11	13

Input voltage class	3-phase	380V				
Inverter power (kW)	7.5/PS4,7.5/TS4	11/PS4	11/TS4	15/PS4,15/TS4	18.5/PS4,18.5/TS4	22/PS4,22/TS4
Applicable motor power (kW)	7.5	11	11	15	18.5	22
Rated output current (A)	17	22	25	32	37	45

Input voltage class	3-phase	380V				
Inverter power (kW)	30/PS4,30/TS4	37/PS4,37/TS4	45/PS4,45/TS4	55/PS4,55/TS4	75/PS4	75/TS4
Applicable motor power (kW)	30	37	45	55	75	75
Rated output current (A)	60	75	90	110	140	150

Input voltage class	3-phase	380V				
Inverter power (kW)	90/PS4,90/TS4	110/PS4,110/TS4	132/PS4,132/TS4	160/PS4,160/TS4	185/PS4,185/TS4	200/PS4,200/TS4
Applicable motor power (kW)	90	110	132	160	185	200
Rated output current (A)	176	210	253	300	340	380

Input voltage class 3-phase 380V		380V		
Inverter power (kW)	220/PS4,220/TS4	245/PS4,245/TS4	280/PS4,280/TS4	315/PS4
Applicable motor power (kW)	220	245	280	315
Rated output current (A)	420	470	520	600



## 4.2 Standard technical features

		Input voltage range: 380V/220V(±15%)
	Input and	Input frequency range: (47-63)Hz
features	output features	Output voltage range: 0- rated input voltage
		Output frequency range: General type: (0-400)Hz; Fan and water pump type: (0-120)Hz

	Programmable digital input: Mini type: 5-route; General type, fan and water pump type: 6-route
	Programmable analog quantity input: Al1: (0-10)V input; Al2: (0-10)V or (0/4-20)mA; Al1 + Al2
Peripheral interface	Open collector output: 1-route output
meeriace	Relay output: Mini type: 1-route output; General type, fan and water pump type: 2-route output
	Analogue output: For 2-route output, (0-10)V or (0/4-20)mA (mini type; 1-route) can be selected

Torque boost: Automatic torque boost; Manual torque boost of 0.1% - 30.0%

		Dynamic braking: Built-in or external brake unit, external connection with brake resistance
		DC braking: Start and stop are selectable separately; motion frequency (0-10)Hz, brake current (0-150)%, actuation time
		(0.0-50.0)s
		Jog control: Jog frequencyrange: (0-400)Hz, time for jog acceleration and deceleration (0.1-3600.0)s
		Multistage speed operation: Multistage speed operation can be achieved through the built-in simple PLC or controlling
	Operation	multi-function terminal.
	functions and features	Automatic voltage regulation (AVR): When the network voltage changes, it can keep the output voltage stable automatically
		Automatic current limit: To automatically limit the current during the operation to prevent fault and tripping due to frequent
		overcurrent
		Built-in PID controller: It can constitute a closed-loop control system conveniently
		Self-defined JOG function key: The JOG key can be set as jog operation or switch from forward and reverse operation
		Protection functions: It can provide over 20 kinds of fault protection functions: overcurrent, overvoltage, undervoltage,
		overheating, default phase, overload, PID disconnection and other protection functions

Technical features	Control mode: Non-PG vector control, V/F control, torque control
	Overload capacity: Mini type and general type: 150% rated current for 1 min; Fan and pump type: 120% rated current for 1 min
	Starting torque: Non-PG vector control: 0.5 Hz /150% (Rated torque)
	Speed regulation ratio: Non-PG vector control: 1: 100; V/F control: 1:50
	Speed control precision: (non-PG vector control): ±0.5% maximum speed
	Carrier frequency (1-15) kHz

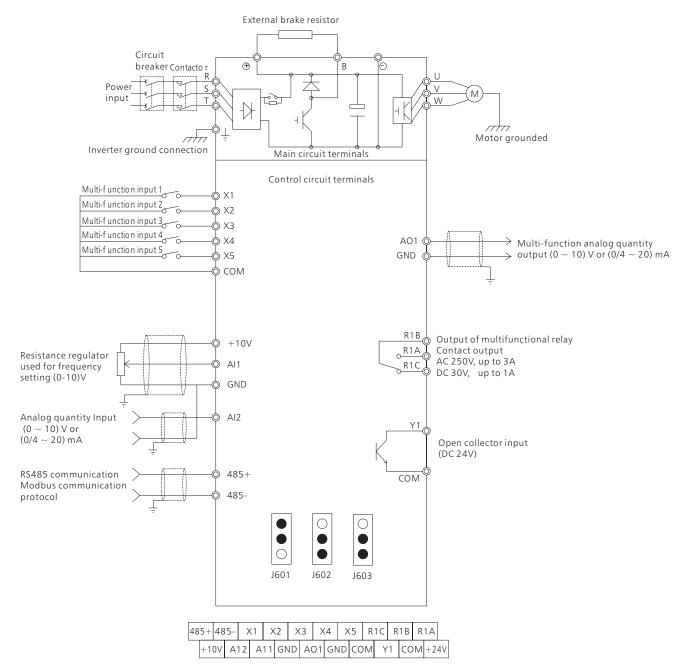
	Temperature: The inverter should be used at an ambient temperature of -10 $^{\circ}$ C to +40 $^{\circ}$ C and derated by 1% per 1 $^{\circ}$ C when it is over 40 $^{\circ}$ C
	Humidity: Relative air humidity of the operation environment ≤ 90%, without moisture condensation
Operation	Altitude: The inverter can achieve the rated power when installed below the altitude of 1000m. It should be derated by 10%
environment	per 1000m when over 1000m.
	Impact and vibration: The inverter should not be dropped to the ground or subjected to sudden impact. It should not be
	installed in places where vibration may occur.
	Electromagnetic radiation: The inverter should not be installed adjacent to electromagnetic radiation protection
	Air pollution: The inverter should not be installed in places with air pollution, such as dust or corrosive gas atmosphere

		Protection degree: IP20
Str	ucture	Brake units Standard braking unit for model under 22 kw; standard braking unit for model equal to or above 22 kW
		Cooling mode: High-speed DC fan is used for the cooling of the whole NVF2G series inverter



## 5. Wiring diagram

- 5.1 Standard wiring diagram
- 5.1.1 Standard wiring diagram of mini type



Arrangement of the corresponding control terminal

J601 position (Al1 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input of Al1;

Connect Terminal 2 with Terminal 3: input of the potentiometer on panel

J602 position (AI2 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current input

J603 position (A01 interface): Connect Terminal 1 with Terminal 2:0V-10V analog voltage input;

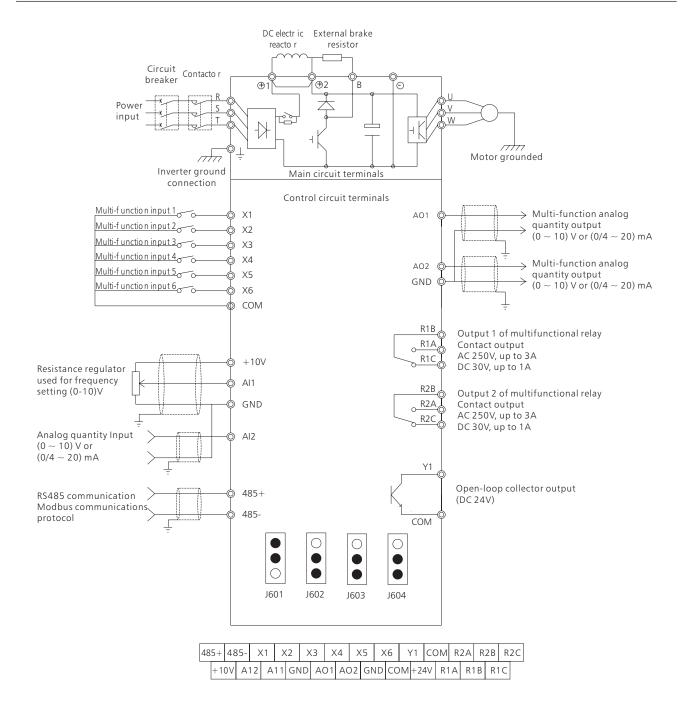
Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current input

 $Corresponding\ model:\ NVF2G-0./\ TD2-NVF2G-1.5/TD2$ 

Notes: The main power lines of single-phase inverter connect with Terminal R and Terminal T.I  $\,$ 



### 5.1.2 Standard wiring diagram of general type and fan and water pump type



Arrangement of the corresponding control terminal

J601 position (Al1 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input of Al1;

Connect Terminal 2 with Terminal 3: input of the potentiometer on panel

J602 position (AI2 interface):Connect Terminal 1 with Terminal 2:0V-10V analog voltage input;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current input

J603 position (AO1 interface): Connect Terminal 1 with Terminal 2:0V-10V analog voltage output;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current output

J604 position (AO2 interface): Connect Terminal 1 with Terminal 2:0V-10V analog voltage output;

Connect Terminal 2 with Terminal 3: 0/4 mA-20 mA analog current output

Corresponding models: NVF2-0.4/TS4  $\sim$  NVF2-280/TS4; NVF2-3.7/PS4  $\sim$  NVF2-315/PS4

 $\mathsf{NVF2\text{-}2.2/TD2} \sim 3.7/\mathsf{TD2}$ 

Notes: The main power lines of single-phase inverter connect with Terminal R and Terminal T.



## 5.2 Terminal annotation

### 5.2.1 Terminal annotation of main circuit

Terminal Symbol	Terminal name and description
R,S,T	Input terminal of AC power supply, used for connecting with 3-phase 380V power-frequency power supply (single-phase 220V power supply is connected with Terminal R and Terminal T)
⊕1,⊖	Input terminal of DC power supply, used for connecting with external brake unit
<b>⊕</b> 1,B	Connect with braking resistor terminal.
⊕1,⊕2	DC reactor connector
U,V,W	AC output terminal, used for connecting with the motor
Ţ	Grounding terminal, used for the grounding of inverter

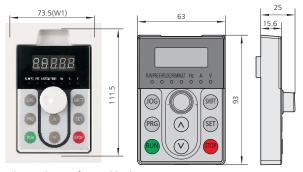
## 5.2.2 Description of the control circuit terminal

Terminal Symbol	Terminal name	Description						
R1A,R1B,R1C	Relay contact output	RA and RB are N/O contract group; RB and RC are N/C contract group						
R2A,R2B,R2C	Relay Contact output	The functional parameters are set through F6.01 and F6.02						
Y1,COM	Open collector output	Functional parameters are set through F6.00, the factory default value is signal output under forward status						
485+,485-	Serial communication terminal Power	Terminal serially communicated with the external part						
10V	supply used for frequency setting	Potentiometer of $4.7k\Omega\text{-}10k\Omega$ connected with Al1,Al2 and GND						
AI1,GND	Input terminal of analog signal	It is used to connect with potentiometer or 0V-10V signal to be taken as the frequency setting, set or feedback of PID						
AI2,GND	Input terminal of analog signal	It inputs signals of 0V-10V and 0/4mA- 20mA to be taken as the frequency setting, set or feedback of PID						
AO1,AO2	Output terminal of analog signal	AO1 and AO2 connecting with the analog signal meter of DC 0V-10V or 0/4mA-20mA can be used for indicating the operation frequency, output current, output voltage, etc.						
X1	Multi-function input terminal	The default set is forward operation						
X2	Multi-function input terminal	The default set is reverse operation						
Х3	Multi-function input terminal	The default set is forward jog						
X4	Multi-function input terminal	The default set is reverse jog						
X5	Multi-function input terminal	The default set is fault resetting						
X6	Multi-function input terminal	The default set is external fault input						
СОМ	Common point for multi-functional input terminals	Fit the use of X1-X6						
24V,COM	24V output of auxiliary power supply	24V output of DC power (≤50mA)						

## 6. Mounting dimensions (mm)

## 6.1 Product appearance diagram

Dimension of the hole on NVF2G display box

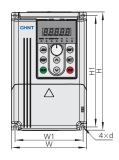


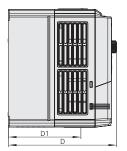
Dimensions of panel hole



## NVF2G-0.4/TD2 $\sim\!3.7/\text{TD2}$ and NVF2G-0.4/TS4 $\sim\!11/\text{PS4}$





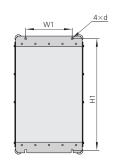


## NVF2G-11/TS4~37/PS4



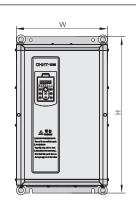




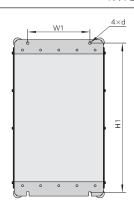


### NVF2G-37/TS4~75/PS4





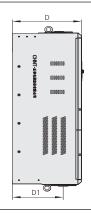


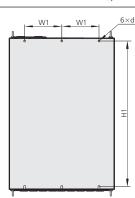


## NVF2G-75/TS4~NVF2G-315/PS4











## 6.2 Product mounting dimensions

Madal		Weight							
Model	W	Н	D	W1	H1	D1	d	kg	
Display Box				74.5	111.5				
NVF2G-0.4/TD2		154	114	76	142	105	5		
NVF2G-0.75/TD2	85							0.9	
NVF2G-1.5/TD2									
NVF2G-0.4/TS4		187	173	107	175	110	5		
NVF2G-0.75/TS4(1.5/PS4)									
NVF2G-1.5/TS4(2.2/PS4)	118							3.1	
NVF2G-2.2/TD2	110							3.1	
NVF2G-2.2/TS4(3.7/PS4)									
NVF2G-3.7/TS4(5.5/PS4)									
NVF2G-3.7/TD2		247	189	140	232	125	6		
NVF2G-5.5/TS4(7.5/PS4)	155							3.6	
NVF2G-7.5/TS4(11/PS4)									
NVF2G-11/TS4(15/PS4)	191	378	183	90	362	129	9	11	
NVF2G-15/TS4(18.5/PS4)	215	426	213	120	407	164	10	15	
NVF2G-18.5/TS4(22/PS4)	2.3	.20	2.3	.20	107			13	
NVF2G-22/TS4(30/PS4)			230	166.6	506	179	10		
NVF2G-30/TS4(37/PS4)	300	527						25	
NVF2G-37/TS4(45/PS4)									
NVF2G-45/TS4(55/PS4)	352	603	257	240	577	197.5	10	36	
NVF2G-55/TS4(75/PS4)									
NVF2G-75/TS4(90/PS4)	406	631	272	126	600	224	10	65	
NVF2G-90/TS4(110/PS4)									
NVF2G-110/TS4(132/PS4)	470	807	352	150	769	226.5	12	95	
NVF2G-132/TS4(160/PS4)									
NVF2G-160/TS4(185/PS4)	F 40	892	390	4.00	848	256	12	4.50	
NVF2G-185/TS4(200/PS4)	540			180				150	
NVF2G-200/TS4(220/PS4)									
NVF2G-220/TS4(245/PS4)		1020	386	250	978	284	13		
NVF2G-245/TS4(280/PS4)	710							165	
NVF2G-280/TS4(315/PS4)									

## 7. Optional accessories of peripheral equipment

Name of acce ssori es	Functions of accessories
Wiring for circuit breaker	It will protect the power system when short circuit occurred. It must be connected between the AC reactors of the AC main circuit power supply, or be connected at the front of the inverter if there is no electric reactor.
AC input electric reactor	To increase the power factor of input power, reduce the higher harmonic and restrain the surge on the power supply of inverter.
DC electric reactor	<ol> <li>To improve or restrain the aberration rate of the voltage of power grid and current waveform due to the pulse current generated at the charging and discharging of filter capacitor;</li> <li>To reduce the amount of harmonic and increase the power supply quality of the power grid.</li> </ol>
AC output electric reactor	<ol> <li>It can effectively restrain the noise-grade vibration of motor;</li> <li>It can effectively restrain the differential mode noise within 100KHz at the output side of the inverter;</li> <li>It can effectively absorb surge voltage.</li> </ol>
Brake units	<ol> <li>It can control the pumping voltage of bus bar and has certain protective function to the inverter;</li> <li>When frequent braking is needed, it can increase the braking capacity of inverter.</li> </ol>
Braking resistance	It can consume the mechanical energy generated during braking as the thermal energy through brake resistance to reduce the deceleration time of drive system of the inverter.
Keyboard support plate	When the operation panel of inverter is needed to be installed on the door sheet of control cabinet or needed remote control of operation cabinet, it shall be installed through keyboard support plate.
Display extension cord	It is used as extension cable when using remote monitoring or pulling out the operation panel.



## Selection table of accessories

	Selection of braking accessories			AC input electric reactor			AC output electric reactor			DC electric reactor		
Inverter	Configuration conditions of	Braking resistance		ration	Rated	Inductance	ration	Rated	Inductance		Rated	(mH)
NVF2G-□/□□□	the braking unit (10% braking ratio)	Resistance value (Ω)	Power (W)	Configuration	curr ent (A)	(mH)	Configuration	curr ent (A)	(mH)	Configuration	current (A)	Inductance
0.4/TD2		220	80		2.4	4.6		2.4	4.5	Do not need to purchase DC electric reactor	_	_
0.75/TD2	Standar d	220	80		4.5	2.4		4.5	2.3		_	_
1.5/TD2	internal configuration	100	260		7	1.6		7	1.5		_	_
2.2/TD2	of braking unit	70	260	390 80 .it	11	1		11	0.9		_	_
3.7/TD2		40	390		18.5	0.6	_	18	0.5		_	_
0.4/TS4		750	80		2.5	2.83	tion	3	2.1		_	_
0.75/TS4		750	80		3.7	2.239	ura.	3	2.1		_	_
1.5/PS4,1.5/TS4	Standard	400	260	fig	3.7	2.239	fig	3	2.1		_	_
2.2/PS4,2.2/TS4	internal	250	260	cor	5.5	2.18	external configuration	6.3	1.5		_	_
3.7/PS4,3.7/TS4	configuration	150	390	nal	9	1.85	nal	11	1.1		_	_
5.5/PS4,5.5/TS4	of braking unit (including	100	520	ter	13	1.56	ter	16	0.8		_	_
7.5/PS4,7.5/TS4	22/PS4 model)	75	780	780 1040 1560 4800 4800 6000 7000 9600	18	1		18	0.65	Selectable external configuration	_	_
11/PS4,11/TS4		50	1040		24	0.52	Selectable	28	0.33		_	_
15/PS4,15/TS4		40	1560		34	0.397	lect	35	0.25		_	_
18.5/PS4,18.5/TS4		32	4800		38	0.352	Sel	40	0.2		_	_
22/PS4,22/TS4	Selectable	27.2	4800		50	0.26		50	0.18		70	0.9
30/PS4,30/TS4	internal	20	6000		60	0.24		63	0.09		80	0.86
37/PS4,37/TS4	configuration	16	7000		75	0.235		80	0.08		100	0.7
45/PS4,45/TS4	of braking	13.6	9600		91	0.17		100	0.06		120	0.58
55/PS4,55/TS4	unit(including 110/PS4	10 12000	112	0.16		125	0.04	110/PS4	146	0.47		
75/PS4,75/TS4	model)	6.8	12000		150	0.12		160	0.035	model)	160	0.36
90/PS4,90/TS4		6.8	12000	0	200	0.0705		200	0.023		180	0.33
110/PS4,110/TS4		6	20000		224	0.0692		224	0.016	Standard external configuration	250	0.24
132/PS4,132/TS4	Selectable external configuration of braking unit	6	25000		280	0.0503		280	0.016		280	0.24
160/PS4,160/TS4		2.5	50000		315	0.0447		315	0.013		340	0.16
185/PS4,185/TS4					400	0.0352		400	0.011		460	0.09
200/PS4,200/TS4					400	0.0352		400	0.011	Standard external configuration	460	0.09
220/PS4,220/TS4					450	0.0313	_	560	0.009		500	0.82
245/PS4,245/TS4					560	0.0251		600	0.008		600	0.072
280/PS4,280/TS4					560	0.0251		600	0.008		600	0.072
315/PS4					640	0.0224		690	0.006		700	0.068

Corresponding physical diagram of each accessory













Physical diagram of display extension cord and support plate of the display box Display extension cord



Support plate of the display box





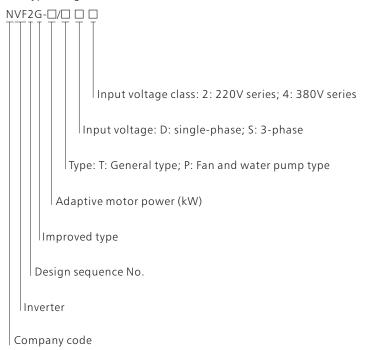
Remarks: When the panel of inverter needs to be pulled out for control, it shall be noted specially when ordering and the length of the display extension cord shall be indicated.

## Inverter



### 8. Ordering information

8.1 Type designation



When ordering, you shall select the needed model and specification according to the illustration of model and implication: For example:

single-phase 220V series: NVF2G-0.75/TD2 3-phase 380V general type: NVF2G-45/TS4

3-phase 380V fan and water pump type: NVF2G-55/PS4

- 8.2 Selection guidance
- 8.2.1 In order to ensure the reliable operation of inverter, the power of inverter must be equal or greater than the power of motor.
- 8.2.2 General-type inverter is mainly used for load excluding fan and water pump, such as: rolling mill, mixer, ball grinder, centrifugal machine and other heavy-load machine.
- 8.2.3 Fan and water pump type of inverter is mainly used for fan, water pump and other light-load machine.

## 9. Customized VFC control cabinet

A variety of VFC control cabinets can be specially ordered according to the production process requirements.

