

Inverter Dimension & Weight

Inverter Capacity	Enclosure IP20(mm)					Weight(Kg)	
	W	H	D	W1	H1	With Filter	Without Filter
JNE2-1P2	72	131	118	61	116	NA	0.76
JNE2-1P5						NA	0.77
JNE2-101						NA	0.84
JNE2-2P2						0.86	0.77
JNE2-2P5						0.87	0.78
JNE2-201	118	143	172	108	127.5	0.91	0.82
JNE2-202						2.1	1.95
JNE2-203						2.2	2.05
JNE2-401						1.6	1.38
JNE2-402						1.62	1.4
JNE2-403						1.68	1.46

Inverter Capacity	IP65(NEMA4)without Switch (mm)					Weight(Kg) W/O Filter	IP65(NEMA4)with Switch(mm)					Weight(Kg) With Filter
	W	H	D	W1	H1		W	H	D	W1	H1	
JNE2-1P2	133.57	204.82	161.29	117.23	188.96	3.1	133.57	204.82	173.38	117.23	188.96	3.3
JNE2-1P5						3.1						3.3
JNE2-101						3.1						3.3
JNE2-2P2						3.2						3.4
JNE2-2P5						3.2						3.4
JNE2-201	232	295	180.5	210	274.5	3.2	232	295	211.4	210	274.5	3.4
JNE2-202						6.0						6.1
JNE2-203						6.1						6.2
JNE2-401						5.7						5.8
JNE2-402						5.9						6.0
JNE2-403						6.0						6.1

Peripherals

EMI Filter

Model	Rated	Inverter model	Enclosure IP20(mm)					Weight(Kg)
			W	H	D	W1	H1	
JNE2F-2102	1Ø220~250V/10A	JNE2-1P2/1P5/101 JNE2-2P2/2P5/201	76	156	25	60	145	0.42
JNE2F-2202	1Ø220~250V/20A	JNE2-202/203	120	172	38	106	158	1.12
JNE2F-4103	3Ø380~460V/10A	JNE2-401/402/403	120	172	38	106	158	1.12

Braking Resistor

Inverter Model	Resistor Model	Specification		
		W	Ω	%ED
JNE2F-202	JNBRN2-202	150	100	10
JNE2F-203	JNBRN2-203	200	70	9
JNE2F-401	JNBRN2-401	60	750	8
JNE2F-402	JNBRN2-402	150	400	10
JNE2F-403	JNBRN2-403	200	250	8

DIN RAIL KIT:DINE2-201(for all IP20 models)

TECO ELECTRIC & MACHINERY CO., LTD.

49, WU KUNG 6 RD., WU KU INDUSTRIAL DISTRICT, TAIPEI HSIANG, TAIWAN T 886-2-89901111 F 886-2-22900465 <http://www.teco.com.tw>
GJ-28-00 2004-03-06

INVERTER E2 Series





INVERTER

E2 Series



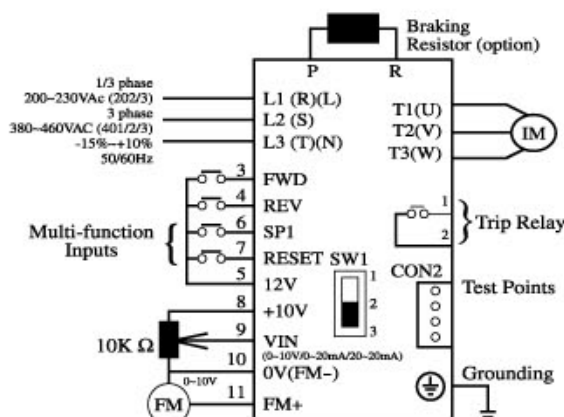
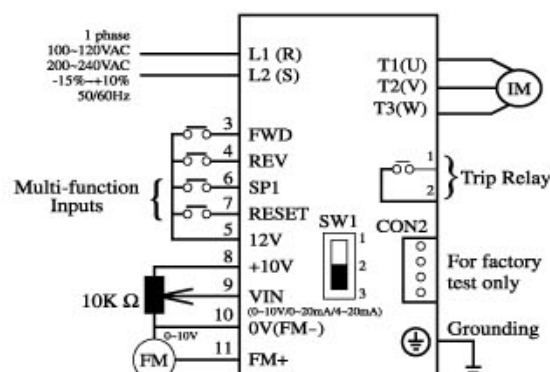
Feature

- Easy for Operation
- Cost efficiency
- EMI Filter Built-in
- 16kHz Carrier Freq.
- DIN Rail mounting option
- IP20, IP65(NEMA4) Enclosure

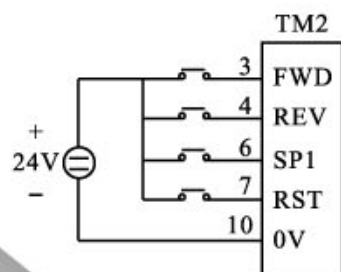
Interconnection

JNE2-1P2/1P5/101/2P2/2P5/201 Inverter

JNE2-202/203/401/402/403 Inverter



External DC24V wiring diagram



Ordering numbers

JNE2	2	P5	H	1	F	N4
Series	Input Voltage	Capacity	Specification	Phase of input power	Filter option	Enclosure
	2 : 200VAC	P2 : 0.25HP	M : Basic type (CPU Version 1.6)	Blank : 1/3 phase	Blank : without filter	Blank : IP20
	4 : 400VAC	P5 : 0.5HP		1 : 1 phase	F : with filter	N4 : IP65 (NEMA4)
	1 : 120VAC*	01 : 1Hp	H : Advanced type (CPU Version 1.9 or above)	3 : 3 phase		Without switch
	*(Subject to demand)	02 : 2Hp				N4S : IP65 (NEMA4)
		03 : 3Hp				With switch

Specification

Model JNE2-□□□-xxxx		1P2	1P5	101	2P2	2P5	201	202	203	401	402	403
Rated Motor Power kW		0.2	0.4	0.75	0.2	0.4	0.75	1.5	2.2	0.75	1.5	2.2
Rated Motor HP		1/4	1/2	1	1/4	1/2	1	2	3	1	2	3
Rated Output Current A		1.4	2.3	4.2	1.4	2.3	4.2	7.5	10.5	2.3	3.8	5.2
Rated Capacity kVA		0.53	0.88	1.6	0.53	0.88	1.6	2.9	4	1.7	2.9	4
Input Voltage		1 φ 100-120V (-15%~+10%) , 50/60Hz(+/-5%)			1 φ 200-240V (-15% ~ +10%), 50/60Hz (+/-5%)			1/3 φ 200-240V (-15% ~ +10%), 50/60Hz (+/-5%)		3 φ 380-480V (-15% ~ +10%), 50/60Hz (+/-5%)		
Output Voltage		3 φ 200-240V								3 φ 380-480V		
Input Signal Type		PNP type (SOURCE) input (External DC24V allowed)										
Control Method		Sinusoidal wave PWM control										
Frequency Control	Freq. Range	1~200 Hz *1										
	Resolution	Digital : 0.1 Hz (1~99.9Hz); 1Hz (100~200Hz), Analog : 1Hz/60Hz										
	Keypad Setting	Directly adjusted by ▲▼ buttons										
	Display	Three digital LED display frequency / inverter parameter / fault record / program version										
	External Signal Setting	0~10V, 4~20mA , 0~20mA										
	Other Function	Frequency upper and lower limit										
General Control	Carrier Frequency	4~16kHz *1										
	Accel/Decel Time	0.1 ~ 999 Sec										
	V/F Pattern	6 Patterns										
	Torque Control	Torque boost level adjustable										
	Multi-function Input	2 points for multi-speed 1(Sp1) /2(Sp2)*1 /Jog / Emergency stop / External bb / Reset										
	Multi-function Output	1a Relay for Fault / Running / Frequency agreed function										
	Braking Torque	20%							20% ~ 100% , breaking transistor built in			
	Other Function	Decelerate or coast to stop, Auto reset, DC braking frequency / Voltage / Time setting										
Protection Function	Instantaneous over Current	Approx 200% rated current										
	Overload	150% for 1min.										
	Over Voltage	DC voltage > 410V								DC voltage > 800V		
	Under Voltage	DC voltage < 200V								DC voltage < 400V		
	Momentary Power Loss	0 ~ 2 sec, restart by speed search										
	Stall Prevention	Accelerate / Decelerate / Constant speed										
	Output Short Circuit	Electronic protection										
	Ground Fault	Electronic protection										
	Other Function	Heat sink overheat protection , Current limit										
Enclosure		IP20 / IP65 (NEMA4)										
Operating Temperature		-10 ~ 50℃										
Humidity		0~95% RH non-condensing										
Vibration		Under 1 G (9.8 m/s²)										
UL		UL508C										
CE		EN50081-1, EN50082-2, EN50178										
Installation		Mounting screw or DIN rail (Option)										

*1 JNE2-2P2/2P5/201(CPU VERSION 1.6) have different specifications, please contact us for details.