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A201E Series

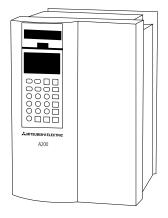
Variable Frequency Drives with Built-In Line Regeneration

Advanced technologies have been incorporated into a compact single unit to produce performance that is perfect for applications such as elevators and line controls.

- The inverter is integrated with a line regenerative converter for a more compact unit.
- Braking power is dramatically increased.
- Packed with specialized functions.
- Uses a multi-function, high performance inverter.
- Costs are lower than conventional system combinations.
- 5.5K to 55K ratings are provided for both 230 V and 460 V classes.
- Magnetic flux vector control provides high torque at low speeds with up to 200-300% starting torque.
- The integrated design of the line regenerative converter reduces panel space requirements by 60-80% over separate components.

- Continuous braking power enables 100% continuous regeneration and provides 150% overload for 60 seconds.
- Selectable stall prevention function protects against overcurrent tripping.
- Intelligent Power Module (IPM) incorporates IGBT transistor technology for quiet motor operation.
- Parameter units are used for operator control, reading and writing parameters, and drive monitoring.
- Software configuration with many adjustable parameters allows tailoring the drive to a wide variety of applications.

Consta	Model Number								
hp	Output Amps	model Number							
3-Phase 230 VAC Input / Output									
7.5	24	FR-A221E-5.5K-UL							
10	33	FR-A221E-7.5K-UL							
15	46	FR-A221E-11K-UL							
20	61	FR-A221E-15K-UL							
25	76	FR-A221E-18.5K-UL							
30	90	FR-A221E-22K-UL							
40	115	FR-A221E-30K-UL							
50	145	FR-A221E-37K-UL							
60	175	FR-A221E-45K-UL							
75	215	FR-A221E-55K-UL							
	3-Phase 460 VAC Input	/ Output							
7.5	12	FR-A241E-5.5K-UL							
10	17	FR-A241E-7.5K-UL							
15	23	FR-A241E-11K-UL							
20	31	FR-A241E-15K-UL							
25	38	FR-A241E-18.5K-UL							
30	43	FR-A241E-22K-UL							
40	57	FR-A241E-30K-UL							
50	71	FR-A241E-37K-UL							
60	86	FR-A241E-45K-UL							
75	110	FR-A241E-55K-UL							





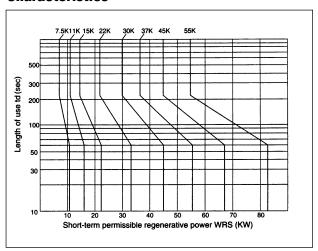


Ratings 200V & 400V Class

Model T	уре	200 V Class FR-A221E-□□-UL									400 V Class FR-A241E-□□-UL											
			5.5K	7.5K	11K	15K	18.5K	22K	30K	37K	45K	55K	5.5K	7.5K	11K	15K	18.5K	22K	30K	37K	45K	55K
Horsepo	wer Rating		7.5	10	15	20	25	30	40	50	60	75	7.5	10	15	20	25	30	40	50	60	75
	Rated Capacity (kVA) *1		9.2	12.6	17.6	23.3	29	34	44	55	67	82	9.1	13	17.5	23.6	29	32.8	43.4	54	65	84
	Rated Current (A)		24	33	46	61	76	90	115	145	175	215	12	17	23	31	38	43	57	71	86	110
Output	t Overload Current Rating *2			150% 60 sec., 200% 0.5 sec. (inverse time characteristics) 150% 60 sec., 200% 0.5 sec. (inverse time characteristics)													cs)					
	Voltage *3		3-Phase 200-220 V 50 Hz, 200-230 V 60 Hz									3-phase 380 to 460 V 50/60 sec.										
	Regenerative Braking	Torque		100% continuous, 150% 60 sec.									100% continuous, 150% 60 sec.									
	Rated Input, AC Volt. an	3-Phase 200-220 V 50 Hz, 200-230 V 60 Hz									3-Phase 380-460 V 50/60 Hz											
	Tolerable AC Voltage F	luctuation			170-	242 V	50 Hz,	170-25	3 V 60	Hz			323-506 V 50/60 Hz *8									
Power	Tolerable Frequency F	luctuation		±5%									±5%									
	Amount of Instantaneous Voltage Drop that can be Withstood			When operated at or above 165 V continuously and voltage falls from rated voltage to under 165 V, 15 msec of continuous operation								When operated at or above 320 V continuously and voltage falls from rated voltage to under 320 V, 15 msec of continuous operation										
	Power Supply Capacity (kVA) *4		12	17	20	28	34	41	52	66	80	100	12	17	20	28	34	41	52	66	80	100
Protective Structure (JEM 1030)			Open type (IP00)								Open type (IP00)											
Cooling Method			Forced-air cooling								Forced-air cooling											
Approxir	mate Weight	kg	23	23	34	32	52	52	63	85	87	120	24	24	37	37	48	48	63	85	85	120
Approxii	nate Weight	lbs	50.6	50.6	74.9	81.4	114.4	114.4	138.6	187	191.4	264	52.8	52.8	81.5	81.5	105.6	105.6	138.6	187	187	264
Width		mm	250	250	300	300	390	390	450	470	470	600	250	250	300	300	390	390	450	470	470	600
		inches	9.8	9.8	11.8	11.8	15.35	15.35	17.7	18.5	18.5	23.6	9.8	9.8	11.8	11.8	15.3	15.3	17.7	18.5	18.5	23.6
Depth mm inches		mm	270	270	294	294	320	320	340	368	368	405	270	270	294	294	320	320	340	368	368	405
		inches	10.6	10.6	11.6	11.6	12.6	12.6	13.4	14.5	14.5	15.9	10.6	10.6	11.6	11.6	12.6	12.6	13.4	14.5	14.5	15.9
Height		mm	470	470	600	600	600	600	700	700	700	900	470	470	600	600	600	600	700	700	700	900
		inches	18.5	18.5	11.8	11.8	11.8	11.8	27.6	27.6	27.6	35.4	18.5	18.5	11.8	11.8	11.8	11.8	27.6	27.6	27.6	35.4

Notes: See page 27.

Characteristics



Instruction Manuals							
Model Number	Part Number						
FR-A201E	IB(NA)66637						

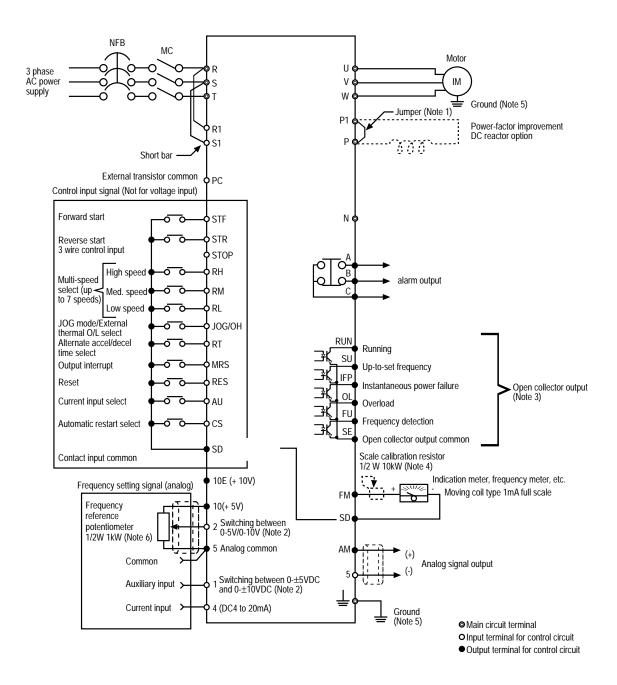
A201E General Specifications

Trequency Control Resolution Programmer Control Programmer Control		Contr	rol Mothod	-	High-carrier frequency sine wave PWM control (select V/F control or magnetic flux vector control)					
Projection Analog Input Analog		Output Frequency Pange		Pango						
De l'ojection Braking De l'ojection Braking De l'ojection Braking De l'ojection Braking Stall Prevention Operation Level Stall prevention Control (Carcent Injury Level Stall prevention Operation Stall Level Stall prevention Operation Stall Level Operation Stall Level Operation Stall Level Stall prevention Carcent Injury Stall Carcent Carcent Injury Operation, Injury O	S	· · · · · · · · · · · · · · · · · · ·								
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De l'ojection Braking De l'ojection Braking De l'ojection Braking De l'ojection Braking Stall Prevention Operation Level Stall prevention Control (Carcent Injury Level Stall prevention Operation Stall Level Stall prevention Operation Stall Level Operation Stall Level Operation Stall Level Stall prevention Carcent Injury Stall Carcent Carcent Injury Operation, Injury O	S IC	Voltage / Frequency Characteristics			Can be set anywhere with a base frequency of 0 to 400 Hz. Select constant torque or declining torque pattern.					
De l'ojection Braking De l'ojection Braking De l'ojection Braking De l'ojection Braking Stall Prevention Operation Level Stall prevention Control (Carcent Injury Level Stall prevention Operation Stall Level Stall prevention Operation Stall Level Operation Stall Level Operation Stall Level Stall prevention Carcent Injury Stall Carcent Carcent Injury Operation, Injury O	ntrc				150% 1 Hz (for magnetic flux vector control)					
Variable operating frequency Stall Prevention Operating frequency Stall prevention can be set (0-150%) variable stall prevention can be disabled	လ				Manual and automatic torque boost					
Stall Prevention Operation Level Stall prevention can be set (0.150%) variable stall prevention can be disabled Prevention Stall prevention can be set (0.150%) variable stall prevention can be disabled Prevention Stall prevention can be set (0.150%) variable stall prevention can be disabled Prevention Stall prevention can be set (0.150%) variable stall prevention can be disabled Dr. 0.150% (0.150%) to 1.00% (0.150%) to 1.00% (0.150%) variable stall prevention can be disabled Dr. 0.150% (0.150%) to 1.00% (0.150%) to 1.00% (0.150%) variable stall prevention can be disabled Dr. 0.150% (0.150%) to 1.00% (Accel. / Decel. Time Setting								
Fequency Setting Signal Signal Signal Signal Signal With-Speed Selection Digital Input Select between independent forward and reverse or start signal self-holding input (3-wire input) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit) Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz. Operating speed can be changed during operation using parameter unit operation using parameter unit operation speed (Input of a frequency setting speed in general speed (Input (Input of Operation Selection) Upper and lower limit frequency setting, frequency parameter unit operation, exerting in speed frequency control '9. Select 1 from among unit parameter unit operation, delection in the many pre-alarm. Open collector output. Pu operating, overload alarm, and electronic thermal pre-alarm. Open collector output. Contact output: 1 contact (AC 230 V 33 A, D 30 V) operation: A parameter unit or speed value) electronic thermal pre-alarm. Open collector output. Select 1 from among units of perating, frequency sended, instant power speed frequency control of you as a possibly of perating speed. motor torque, overload, converter output voltage (constant or peak value). electronic thermal load factor, input power, obtain motor torque, overload, converter output voltage (constant or peak value). electronic thermal load factor, input power, o					Variable operating frequency (0 to 120 Hz), operating time (0 to 10 sec.) and operating voltage (0 to 30%)					
Setting Signal Signal Starting Signal Starting Signal Select between independent forward and reverse or start signal self-holding pint (3-wire input)					Stall prevention can be set (0-150%) variable stall prevention can be disabled					
Starting Signal Select between independent forward and reverse or start signal self-holding input (3-wire input)			Frequency	Analog Input	DC 0 to 5V, 0 to 10V, 0 to ±5V, 0 to ±10V, 4 to 20 mA					
Satisfied Signal Select Letween independent florward and reverse or start signal self-holding input (3-wire input)		S	Setting Signal	Digital Input	BCD 3-digit or 12 bit binary using the parameter unit (when using the optional FR-EPA or FR-EPE)					
JoG Operation Selection Time Selection JOG Operation Status Operation Status For Meter For Meter Display on Parameter Unit of Main Unit LED Display on Parameter Unit Operation Status Additional Display Possible Only on Parameter Unit Operation Status Presence of input terminal signal and slatus of output terminal signal and slatus of o		na	Starting Signa	ı <u> </u>						
JoG Operation Selection Time Selection JOG Operation Status Operation Status For Meter For Meter Display on Parameter Unit of Main Unit LED Display on Parameter Unit Operation Status Additional Display Possible Only on Parameter Unit Operation Status Presence of input terminal signal and slatus of output terminal signal and slatus of o	ns	ut Sig			Up to 7 speeds can be selected. (Each speed can be set between 0 and 400 Hz; Operating speed can be changed during					
Upper and lower limit frequency settings, frequency jump operation, external thermal input selection, reversible polarity operation, instant stop restart operation gonerating mode selection, auto-tuning function, break sequence for elevators "9 and load torque high-speed frequency control "9. Select 4 from among inverter operating, frequency reached, instant power stop (insufficient voltage), frequency detection, second frequency detection, purple of requency detection, and electronic thermal pre-alarm. Open collector output. Pu operating, overload alarm, and electronic thermal pre-alarm. Open collector output. Contact output: 1c contact (AC 230 V 0.3 A, DC 30V 0.3 A). Open collector: Alarm code (4 bit) output. Select 1 from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (co	ificatio	ď	Second Accel. / Decel.							
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Upper and lower limit frequency settings, frequency jump operation, external thermal input selection, reversible polarity operation, instant stop restart operation gonerating mode selection, auto-tuning function, break sequence for elevators "9 and load torque high-speed frequency control "9. Select 4 from among inverter operating, frequency reached, instant power stop (insufficient voltage), frequency detection, second frequency detection, purple of requency detection, and electronic thermal pre-alarm. Open collector output. Pu operating, overload alarm, and electronic thermal pre-alarm. Open collector output. Contact output: 1c contact (AC 230 V 0.3 A, DC 30V 0.3 A). Open collector: Alarm code (4 bit) output. Select 1 from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (co	n S									
Upper and lower limit frequency settings, frequency jump operation, external thermal input selection, reversible polarity operation, instant stop restart operation gonerating mode selection, auto-tuning function, break sequence for elevators "9 and load torque high-speed frequency control "9. Select 4 from among inverter operating, frequency reached, instant power stop (insufficient voltage), frequency detection, second frequency detection, purple of requency detection, and electronic thermal pre-alarm. Open collector output. Pu operating, overload alarm, and electronic thermal pre-alarm. Open collector output. Contact output: 1c contact (AC 230 V 0.3 A, DC 30V 0.3 A). Open collector: Alarm code (4 bit) output. Select 1 from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (co	ţi									
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Protective and Warning Functions Instant stop restart operation commercial switching operation, forward/reverse prevention, slip compensation, operating mode selection, auto-tuning function, break sequence for elevators "9 and load torque high-speed frequency control "9.	Q									
For Meter Pul Operating, overload alarm, and electronic thermal pre-alarm. Open collector output. Contact output: 1c contact (AC 230 V 0.3 A). Dean collector: Alarm code (4 bit) output. Select 1 from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage), operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor forque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor forque, overload, converter output voltage (constant or peak value), output voltage (cons		Operation Functions		nctions	instant stop restart operation commercial switching operation, forward/reverse prevention, slip compensation, operating mode					
Contact output: 1c contact (AC 230 V 0.3 A). Open collector: Alarm code (4 bit) output. Select 1 from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor forque, overload, converter output voltage (constant or peak value), output voltage, frequency setting, operating speed, motor forque, overload, converter output voltage (constant or peak value), electronic thermal load factor, input power "6, load meter, and cumulative running time. Display of error contents when protection function is engaged and storage of information of 8 errors. Prossible Only on Parameter Unit Interactive Guidance Operation Status Presence of input terminal signal and status of output terminal signal. Interactive Guidance Operations guide, troubleshooting and graphic display for help function. Operations guide, troubleshooting and graphic display for help function. Overcurrent breaking (acceleration, deceleration, constant speed), regenerative overvoltage breaking, insufficient voltage, instant stop, overload warning, and power supply regeneration circuit error. Ambient Temperature -10°C to +50°C (Non-freezing) / 14°F to 122°F Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature *7 -20°C to +65°C / -4°F to 149°F Attitude -1000m above sea level. Contact factory for higher altitude deratings.		Operation Status								
For Meter Motion torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output power, "6 load meter, and cumulative running time. Pulse train output (1440 Hz/full scale) or analog output (0 to 10 VDC) Select from among output frequency, motor current (constant or peak value), output voltage, frequency setting, operating speed, motor torque, overload, converter output voltage (constant or peak value), electronic thermal load factor, input power "6, load meter, and cumulative running time. Display of error contents when protection function is engaged and storage of information of 8 errors. Presence of input terminal signal and status of output terminal signal.		Error (Inverter Trip)								
Additional Display Possible Only on Parameter Unit Coperation Status		For Meter			motor torque, overload, converter output voltage (constant or peak value) electronic thermal load factor, input power, output					
Additional Display Possible Only on Parameter Unit Interactive Guidance Operations guide, troubleshooting and graphic display for help function. Overcurrent breaking (acceleration, deceleration, constant speed), regenerative overvoltage breaking, insufficient voltage, instant stop, overload breaking (electronic thermal), ground overcurrent, output short, main circuit element overheating, stall prevention, overload warning, and power supply regeneration circuit error. Ambient Temperature Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature *7 -20°C to +65°C / -4°F to 149°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present Attitude Touch Details Output voltage, current, frequency, and I/O terminals status prior to engagement of protection function. Operations guide, troubleshooting and graphic display for help function. Overcurrent breaking (acceleration, deceleration, constant speed), regenerative overvoltage breaking, insufficient voltage, instant stop, overload warning, stall prevention, overload warning, and power supply regeneration circuit error. -10°C to +50°C (Non-freezing) / 14°F to 122°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present	Display	or Main Unit LED			torque, overload, converter output voltage (constant or peak value), electronic thermal load factor, input power, output power *6, load					
Possible Only on Parameter Unit Interactive Guidance Operations guide, troubleshooting and graphic display for help function. Operations guide, troubleshooting and graphic display for help function. Overcurrent breaking (acceleration, deceleration, constant speed), regenerative overvoltage breaking, insufficient voltage, instant stop, overload breaking (electronic thermal), ground overcurrent, output short, main circuit element overheating, stall prevention, overload warning, and power supply regeneration circuit error. Ambient Temperature 10°C to +50°C (Non-freezing) / 14°F to 122°F Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature 7 -20°C to +65°C / -4°F to 149°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present Attitude 1000m above sea level. Contact factory for higher altitude deratings.		Operation Status			Presence of input terminal signal and status of output terminal signal.					
Operations guide, troubleshooting and graphic display for help function. Protective and Warning Functions Overcurrent breaking (acceleration, deceleration, constant speed), regenerative overvoltage breaking, insufficient voltage, instant stop, overload breaking (electronic thermal), ground overcurrent, output short, main circuit element overheating, stall prevention, overload warning, and power supply regeneration circuit error. Ambient Temperature -10°C to +50°C (Non-freezing) / 14°F to 122°F Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature *7 -20°C to +65°C / -4°F to 149°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present Attitude Operations guide, troubleshooting and graphic display for help function.				Error Details	Output voltage, current, frequency, and I/O terminals status prior to engagement of protection function.					
Stop, overload breaking (electronic thermal), ground overcurrent, output short, main circuit element overheating, stall prevention, overload warning, and power supply regeneration circuit error. Ambient Temperature Ambient Humidity Storage Temperature *7 Atmosphere Attitude Storage Temperature *7 Atmosphere Attitude Storage Temperature *7 Atmosphere Attitude Storage Temperature *7 Contact factory for higher altitude deratings.			,		Operations guide, troubleshooting and graphic display for help function.					
Ambient Temperature -10°C to +50°C (Non-freezing) / 14°F to 122°F Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature *7 -20°C to +65°C / -4°F to 149°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present Attitude 1000m above sea level. Contact factory for higher altitude deratings.	Prot	Protective and Warning Functions			stop, overload breaking (electronic thermal), ground overcurrent, output short, main circuit element overheating, stall prevention,					
Ambient Humidity 90% RH or less (Noncondensing) Storage Temperature *7 -20°C to +65°C / -4°F to 149°F Atmosphere For indoor use; no corrosive gasses, flammable gasses, oil mist, dust or dirt present Attitude 1000m above sea level. Contact factory for higher altitude deratings.		Ambient Temperature								
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		vibia			5.7 mas (4.66 man,) based on 316 6 6 7 m					

- The rated output capacity shown is for an output voltage of 220 V for 200 V class and 440 V for 400 V class.
 The % value for overload current rating indicates the ratio to the inverter's rater output current. When using repeatedly, wait until the inverter and motor temperature fall below the temperature when at 100% load.
- The maximum output voltage cannot go above the power supply voltage. The maximum output voltage can be set anywhere below the power supply voltage.
 The power supply capacity varies with the value of the power supply impedance (including input reactor and power lines).
 Jogging operation is also possible with the parameter unit.

- Shown as a positive value when running under power and a negative value during regeneration.
- The temperature can be applied for short times, such as in transit.
- 8. When the power supply voltage fluctuation with a 400 V class inverter is at or below 342 V or at or above 484 V, a built-in transformer tap switch is required. See the manual for details.
- 9. See the manual for details.

A201E Series Terminal Connection Diagram



Notes:

- Remove jumper when DC reactor is connected.
- 2. Input signal can be switched through parameter unit
- 3. All terminal outputs other than RUN can be used to transmit alarm codes and error messages. Up to 10 functions can be individually assigned to the terminals. (Pr 40).
- 4. This resistor is not needed when parameter unit is used for scale calibration.
- The drive and motor must be securely grounded before use.
- 6. Use 2W 1k ohm resistor if frequency setting is often changed.

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