

C210/C410 Series



Compact design, small appearance and
easy to operate

0.4kW~2.2kW
1 phase 170V~240V; 3 phase 380V
IP20



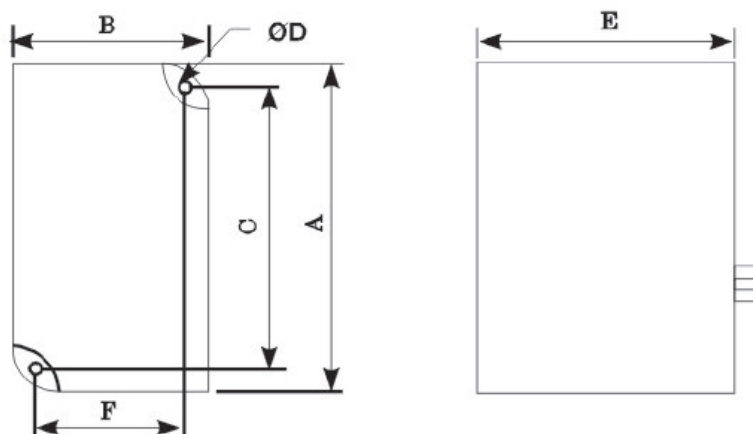
Specifications

	Items	C210/C410
Power supply	Rated voltage, frequency	Single phase 220V 50/60Hz / Three phase 380V 50/60Hz
	Voltage range	220V: 170V~240V; 380V
Output	Voltage range	220V: 0~220V; 380V
	Frequency range	0.10~400.00Hz
Control method		V/f control, space vector control
Indication		Operating status/Alarm definition/Interactive guidance: eg, frequency setting, the output frequency/current, DC bus voltage, the temperature and so on
Control specifications	Output frequency range	0.10Hz ~ 400.00Hz
	Frequency setting resolution	Digital input: 0.01Hz, analog input: 0.1% of max. output frequency
	Output frequency accuracy	0.01Hz
	V/f control	Setting V/f curve to satisfy various load requirements
	Torque control	Auto increase: auto raise torque by loading condition; manual increase; enable to set 0.0~20.0% of raising torque
	Multifunctional input terminal	6 multi-function input terminals, realizing functions including fifteen section speed control, program running, four-section acceleration/deceleration speed switch, UP/DOWN function and emergency stop and other functions
	Multifunctional output terminal	2 multi-function input terminals for displaying of running, zerospeed, counter, external abnormality, program operation and other information and warnings
	Acceleration/deceleration time setting	0~999.9 s acceleration/deceleration time can be set individually
Other functions	PID control	Build-in
	RS-485	Standard RS485 communication function (MODBUS)
	Frequency setting	Analog input: 0...10V, 0...20mA can be selected; Digital input: input using the setting dial of the operation panel or RS485 or UP/DOWN
	Multi-speed	Six multifunction input terminals, 15 section speed can be set
	Automatic voltage regulation	Automatic voltage regulation function can be selected
	Counter	Build-in 2 group of counters
Protection/ Warning function	Overload	150%, 60 s (constant torque)
	Over voltage	Over voltage protection can be set
	Under voltage	Under voltage protection can be set
	Other protections	Overheat, shortcircuit, over current, and parameter lock and so on
Environment	Ambient temperature	-10 °C ... +40 °C (non-freezing)
	Ambient humidity	Max. 95 % (non-condensing)
	Altitude	Lower than 1000m
	Vibration	Max. 0.5G
Structure	Cooling mode	Forced air cooling
	Protective structure	IP20
Installation	Mode	Wall mounted

Model range

Model	Input	Rated output power (kW)	Capacity (kVA)	Output current (A)	Overload capacity (60s) (A)	Applicable motor (kW)
ADV 0.40 C210-M	1 phase AC 220V 50/60Hz	0.4	1	2.5	3.75	0.4
ADV 0.75 C210-M	1 phase AC 220V 50/60Hz	0.75	2	5	7.5	0.75
ADV 1.50 C210-M	1 phase AC 220V 50/60Hz	1.5	2.8	7	10.5	1.5
ADV 2.20 C210-M	1 phase AC 220V 50/60Hz	2.2	4.5	11	16.5	2.2
ADV 0.75 C410-M	3 phase AC 380V 50/60Hz	0.75	2.2	2.7	4.05	0.75
ADV 1.50 C410-M	3 phase AC 380V 50/60Hz	1.5	3.2	4	6	1.5
ADV 2.20 C410-M	3 phase AC 380V 50/60Hz	2.2	4	5	7.5	2.2

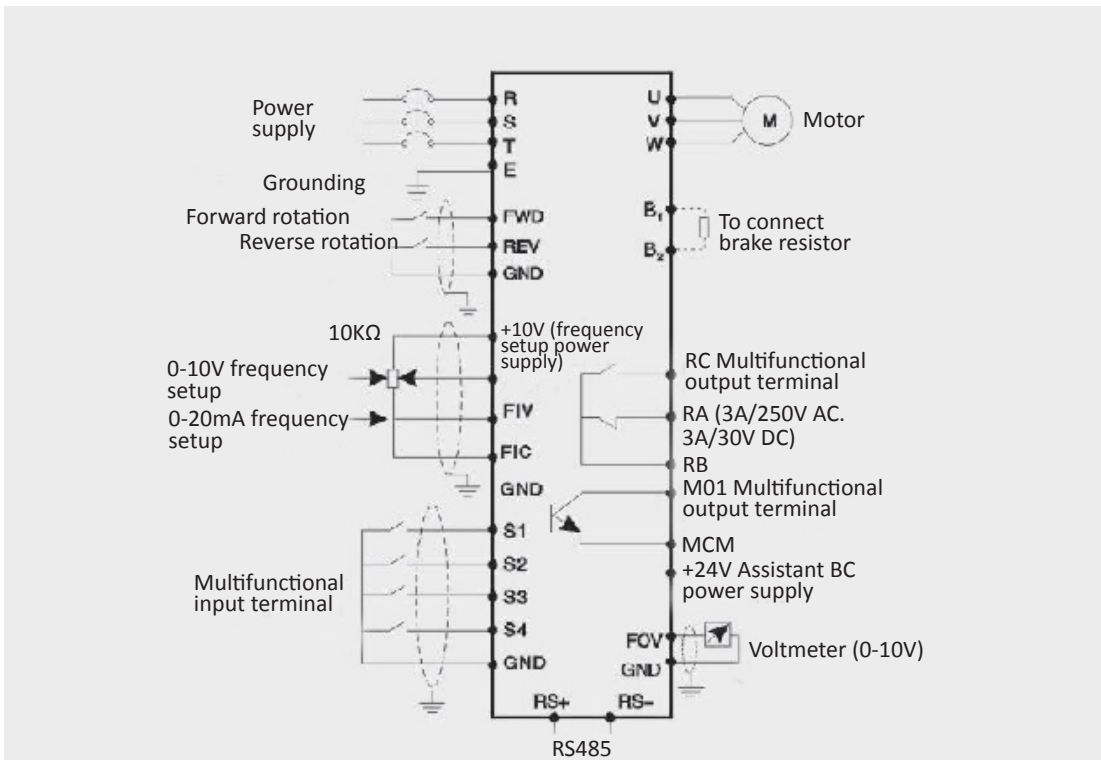
Dimensions



Unit: mm

Model	A	B	C	Φ_D	E	F
ADV 0.40 C210-M	141.5	85.0	130.5	5.0	113	74
ADV 0.75 C210-M	141.5	85.0	130.5	5.0	113	74
ADV 1.50 C210-M	141.5	85.0	130.5	5.0	113	74
ADV 2.20 C210-M	151	100	139.6	5.2	111.7	88.6
ADV 0.75 C410-M	151	100	139.6	5.2	111.7	88.6
ADV 1.50 C410-M	151	100	139.6	5.2	111.7	88.6
ADV 2.20 C410-M	151	100	139.6	5.2	111.7	88.6

Wiring diagram



Applications

Food machinery - feeder, mixer, bag filling machines, pasty forming machine...
Woodworking machinery - polishing machine, grinding machine, carving machine...
Textile machinery - winding machine, fabric inspection machine...
Packaging machinery - liquid filling machine, pharmaceutical filling machine...
Other: Stone cutting machine...
Blowing machine, water-pump-housetop/a fan to fill and exhaust gas, small pump for water supply
Printing equipment - offset
Conveyor belt - small conveyor belt, common conveyor belt
Feeding equipment - tool machine, winding machines, weaving machines equipment
Rubber and plastic industry - sealing machine, various types of small machine
General business - common household, air conditioning, automatic door



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