



CD 180
OLD GLORY

(CD 180)

**DC SERVODRIVE
AMPLIFIERS**



P. N. : D.S. / 10.05.16 / CD180 / 03

MODEL	CD 180						
SIZE (A)	8/16	12/24	15/30	25/50	30/75	50/100	50/150
Nominal Current (ADC)	8	12	15	25	30	50	50
Peak Current (ADC) x 5 sec.	16	24	30	50	75	100	150
F2: Supply Line Fuses (T-type = time-lag)	12 A 250 V		16 A 250 V	25 A 250 V	35 A 250 V	50 A 250 V	80 A 250 V
Supply (VAC) (3PH - 50/60 Hz)	110 - 170 VAC						

STANDARD FEATURES

- ⇒ Driving motor range up to 30 Nm (4285,6 oz-in.)
- ⇒ Internal power supply and dumping circuit
- ⇒ Built-in cooling fan when required
- ⇒ Power block transistor bridge
- ⇒ Power stage and optocoupled enable inputs
- ⇒ Dynamic braking for blackout conditions
- ⇒ Relay contacts for output signals
- ⇒ Removable personal config card
- ⇒ Completely protected from:
 - over / under supply voltage
 - over temperature
 - external short circuit motor polarity
 - max dynamic braking cycle
 - faulty or inverted tachometer

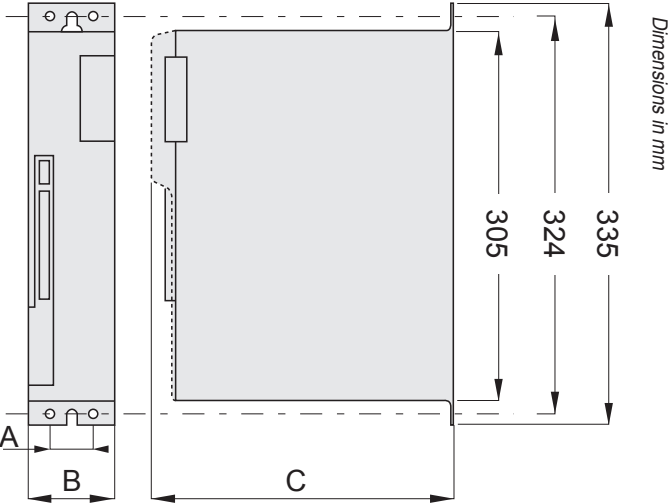
SPECIFICATIONS

- ⇒ Supply voltage range:..... 110 - 170 VAC (50/60 Hz ± 10%)
- ⇒ Output voltage:..... 1.35x VAC supply
- ⇒ Operating frequency:..... 5 KHz
- ⇒ Operating temperature:..... 0 - 40 °C (32 - 104 °F)
- ⇒ Humidity (without condensation):..... 10 - 85%
- ⇒ Enable signals:..... +10 - 30 Vdc (optocoupled)
- ⇒ Analog input reference (differential):..... ±10 Vdc (24 KOhm)
- ⇒ Peak current limitation with speed function

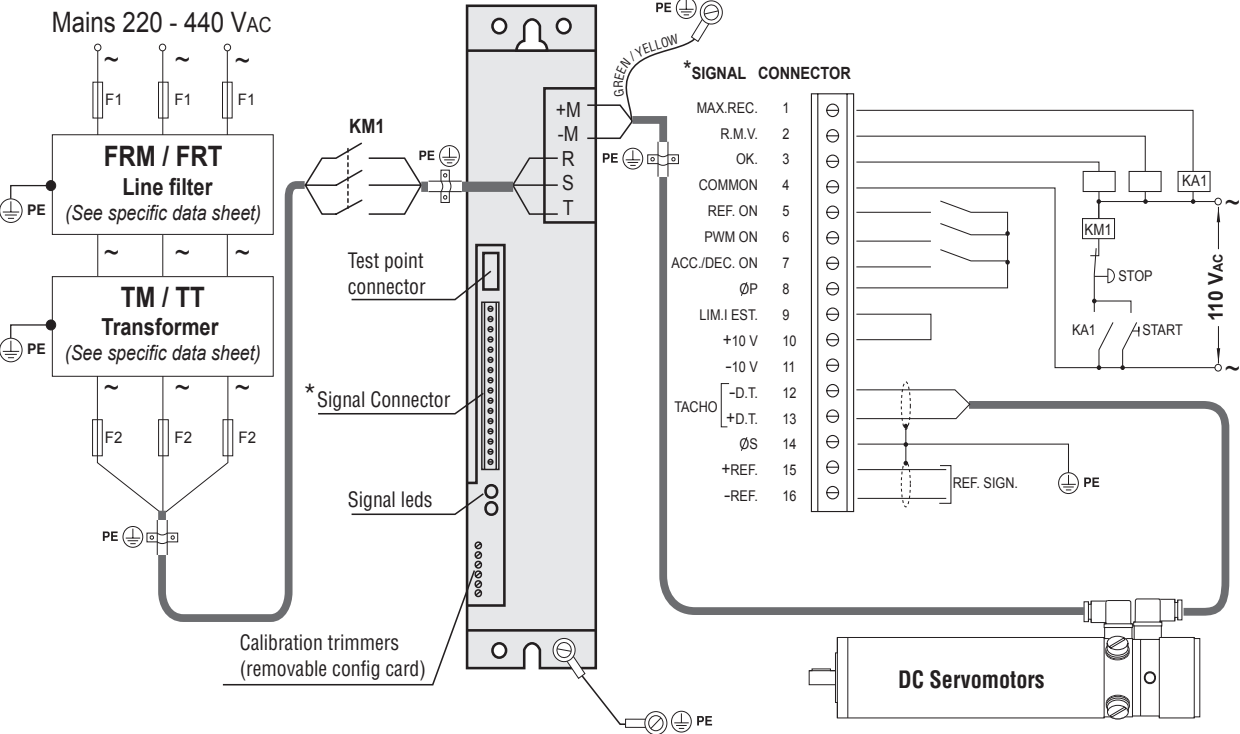
OPTIONS

- ⇒ Synoptic: remote check status panel
- ⇒ Boosted dumping (with external resistors)
- ⇒ IO Demand current (torque mode)





REFERENCES		A	B	C	WEIGHT
VERSION	SIZE	mm	mm	mm	
CD 180	8/16	33	66	203	3.6 Kg
CD 180	12/24				
CD 180	15/30				
CD 180	25/50	65	99	204	5.7 Kg
CD 180	30/75				
CD 180	50/100	97	132	210	7 Kg
CD 180	50/150				



CD-180

-

25 / 50

- RX

-

S

-

0000

/

T0

-

RD

-

XX

DRIVE LINE

SIZE: 8/12 - 12/24 - 15/30 - 25/50 - 30/75 - 50/100 - 50/150

DUMPING SIZE:
RX = internal standard resistors
R4 = 400W external resistors (opt)
R8 = 800W external resistors (opt)

PROTECTION:
S = Standard
T = Tropicalized

AXOR
adjustment
identification
number

FEEDBACK:
T0 = Tachogenerator (DC) (std)
00 = No feedback adjustment
(for IO control mode) (opt)

CONTROL MODE:
RD = Differential reference (std)
IO = Demand current
(torque mode) (opt)

ADDITIONAL FEATURES:
XX = None