

(4) Mounting Holes for M5 [#10] Screws. See Detail A for top mounting hole dimensions

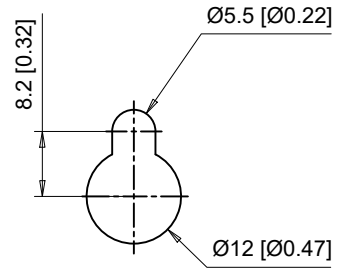
Keypad

Nameplate

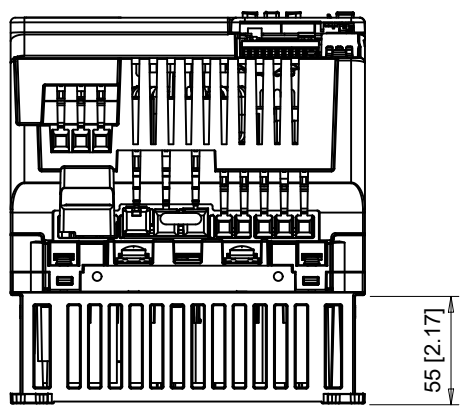
Cooling fan location

Air

Air



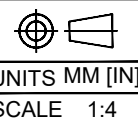
Detail A
Top mounting hole dimensions
Scale 1:1



C/C:	INPUT VOLTAGE (VAC)	WEIGHT Kg (lb)	COOLING FANS
GA50□			
2056□□□	200 TO 240 3-PHASE	6.0 (13.2)	2
4031□□□	380 TO 480	5.5 (12.1)	2
4038□□□	3-PHASE	5.5 (12.1)	2

□ denotes A-Z

YASKAWA



DRWN.	J. MATTAS	6-28-19
CHKD.	J. PIOTROWSKI	8-7-19
TECH.	L. UDDIN	9-8-19
APRV.	J. CAIRO	9-18-19

TITLE
GA500 DIMENSION DRAWING
FRAME SIZE 6
IP20 ENCLOSURE WITH EMC FILTER

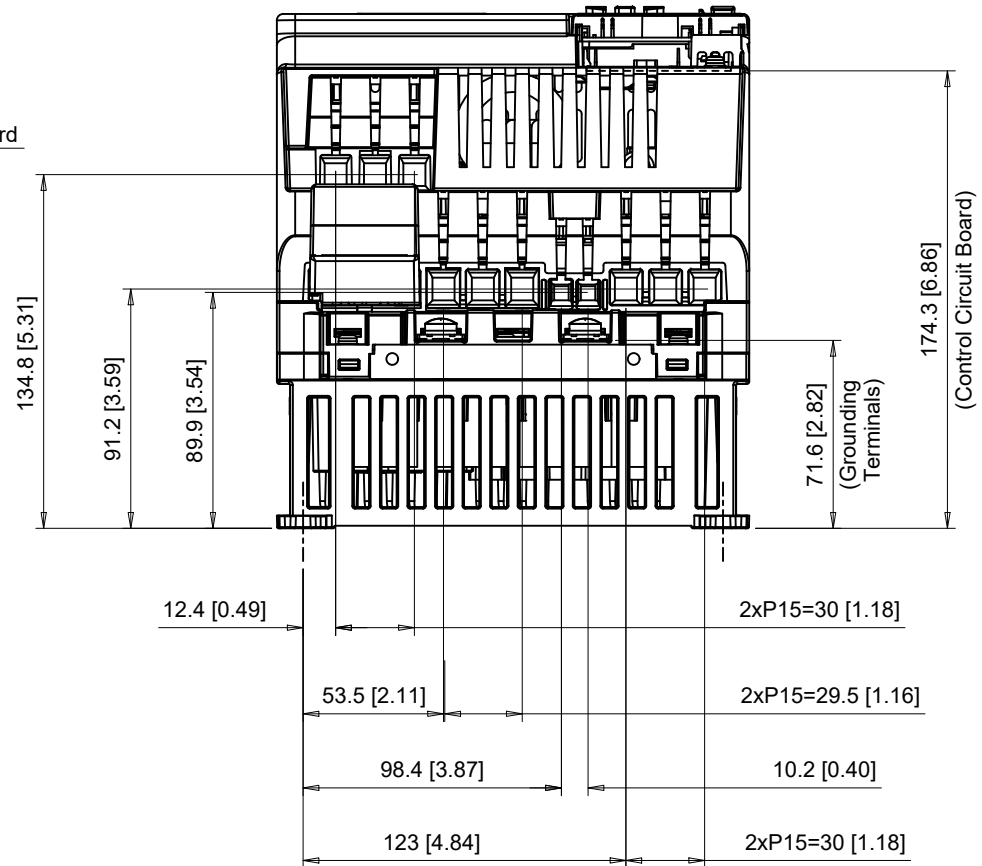
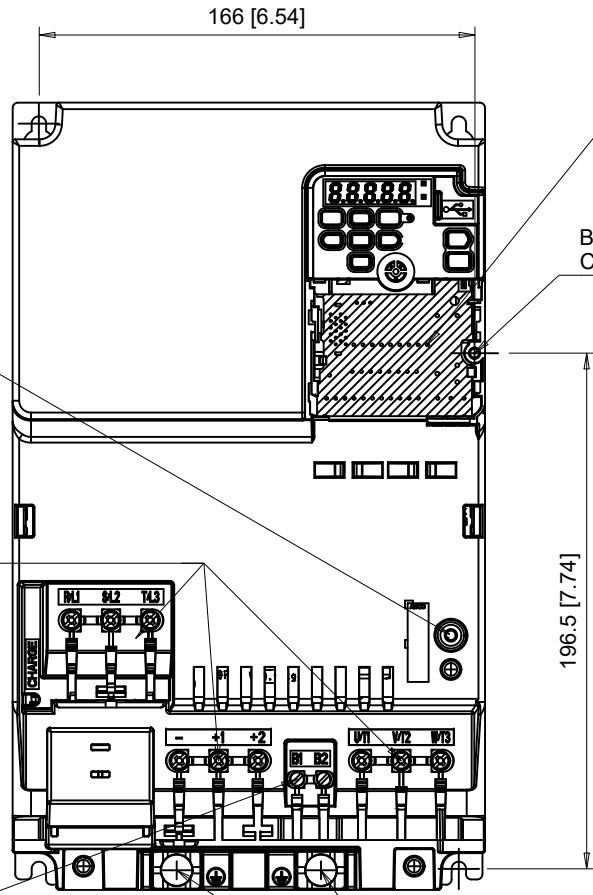
SIZE A
PAGE 1 OF 4
DWG.NO.
DD.GA50.FR6.IP20.EMC

REV
0

Terminal and Wiring Information for GA50□2056

FRONT VIEW

BOTTOM VIEW



Refer to DD.GA50.CONTROLBOARD drawing for Control Circuit Board details

Base Point of Control Circuit Board

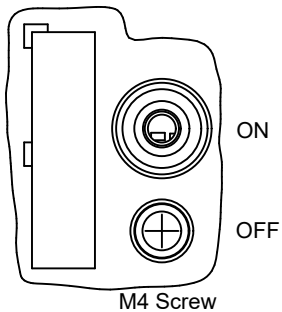
EMC Filter Switch
See Detail A

Main Circuit Terminals with M5 Screws; Slotted (-)

Main Circuit Terminals with M4 Screws; Slotted (-)

Grounding Terminals with M6 Screws; Phillips(+)/Slotted(-) combo

EMC FILTER SWITCH



Detail A
Scale 1:1

C/C:	TERMINAL SYMBOL	WIRE RANGE AWG (mm ²)	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
GA50□	R/L1, S/L2, T/L3	8 - 2 (10 - 35)	M5	4.5 (40)
	U/T1, V/T2, W/T3	8 - 2 (10 - 35)	M5	4.5 (40)
2056□□□	-, +1, +2	8 - 2 (10 - 35)	M5	4.5 (40)
	B1, B2	14 - 6 (2.5 - 16)	M4	1.7 (15)
	⊕	8 - 4 (10 - 25)	M6	5.4 - 6.0 (48 - 53)

□ Denotes A-Z

Note: Refer to applicable codes and standards for proper wire type and size.

YASKAWA

UNITS MM [IN]
SCALE 1:3

DRWN. J. MATTAS 6-28-19
CHKD. J. PIOTROWSKI 8-7-19
TECH. L. UDDIN 9-8-19
APRV. J. CAIRO 9-18-19

TITLE
GA500 DIMENSION DRAWING
FRAME SIZE 6
IP20 ENCLOSURE WITH EMC FILTER

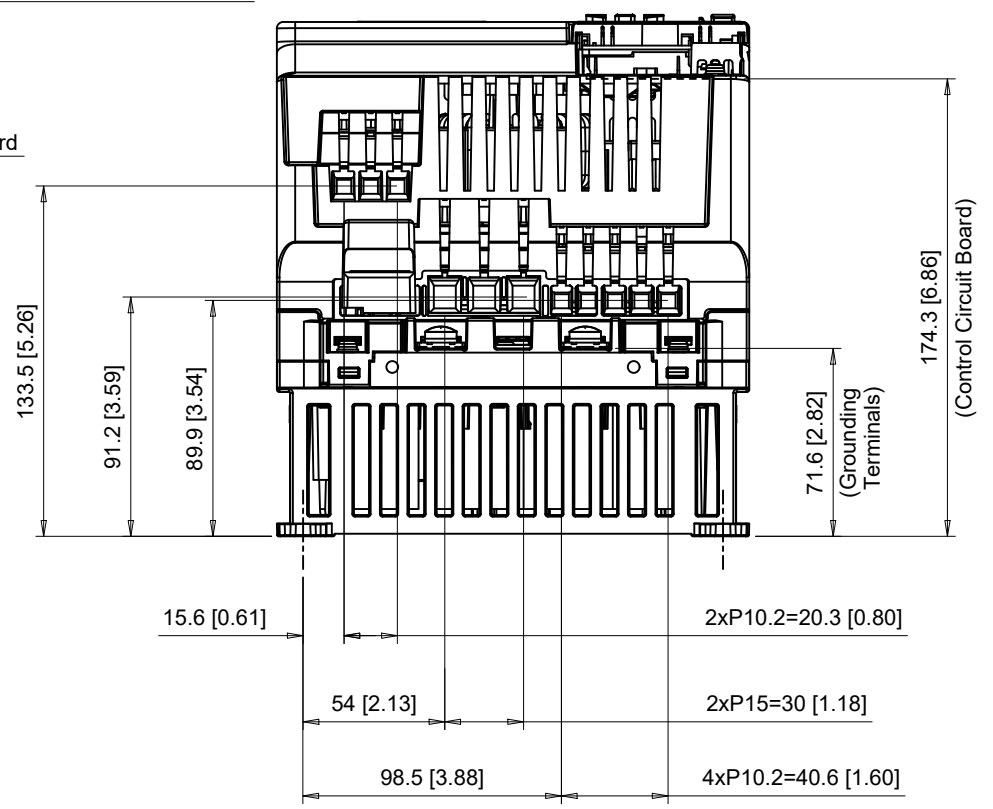
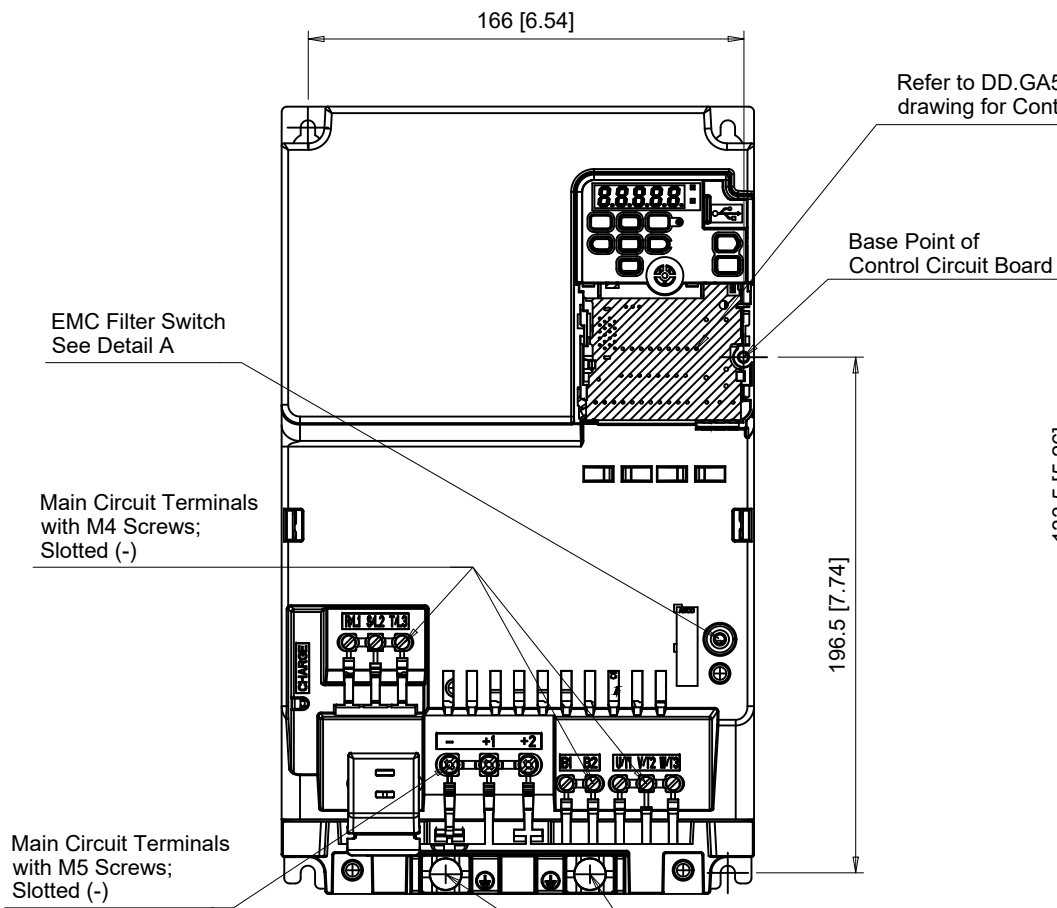
SIZE A PAGE 2 OF 4
DWG.NO. DD.GA50.FR6.IP20.EMC

REV 0

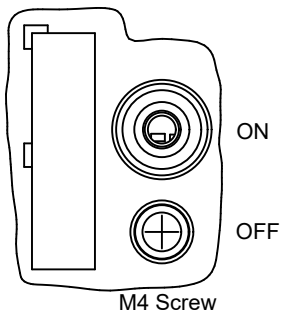
Terminal and Wiring Information for GA50□4031 and GA50□4038

FRONT VIEW

BOTTOM VIEW



EMC FILTER SWITCH

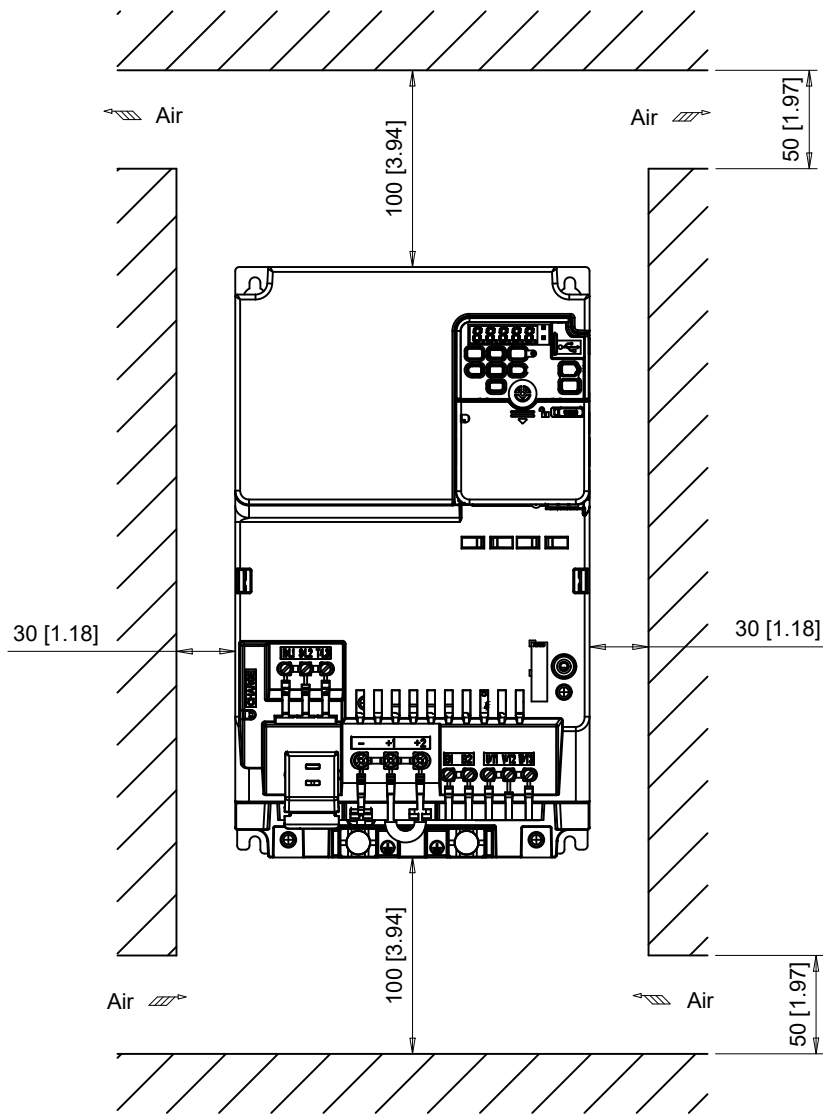


Grounding Terminals with M6 Screws; Phillips(+)/Slotted(-) combo

C/C:	TERMINAL SYMBOL	WIRE RANGE AWG (mm ²)	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
GA50□	R/L1, S/L2, T/L3	14 - 6 (2.5 - 16)	M4	1.7 (15)
4031□□□	U/T1, V/T2, W/T3	14 - 6 (2.5 - 16)	M4	1.7 (15)
4038□□□	-, +1, +2	8 - 2 (10 - 35)	M5	4.5 (40)
	B1, B2	14 - 6 (2.5 - 16)	M4	1.7 (15)
	⊕	10 - 6 (6 - 16)	M6	5.4 - 6.0 (48 - 53)

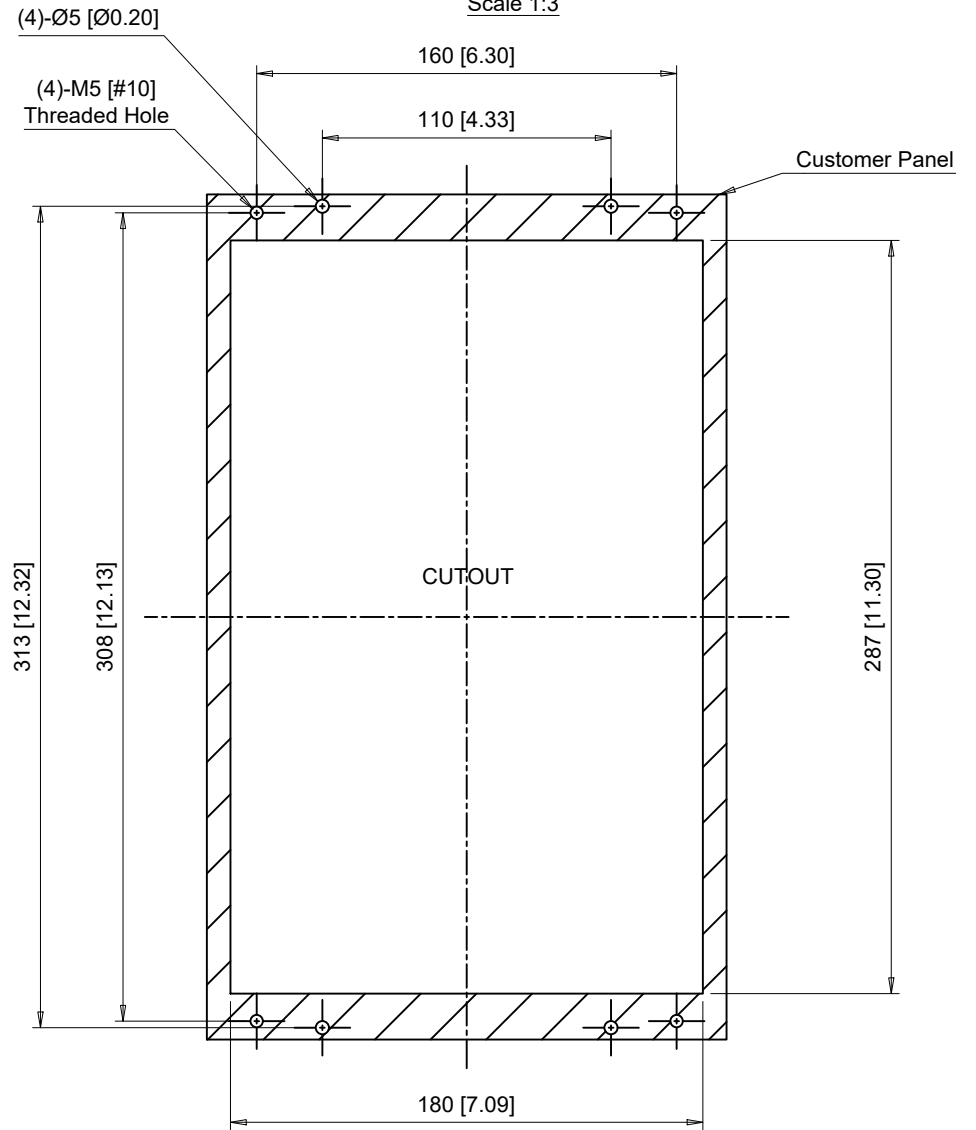
□ Denotes A-Z
Note: Refer to applicable codes and standards for proper wire type and size.

Minimum Installation Clearances
Scale 1:4



Note:
For alternate mounting configurations, consult manual.

Panel Cutout
For External Heatsink Mounting Configuration
Scale 1:3



Notes:
Exposed heatsink minimum clearance = 60 [2.36].
Refer to external heatsink instructions document for additional details.

YASKAWA

UNITS MM [IN]
SCALE ABOVE

DRWN.	J. MATTAS	6-28-19
CHKD.	J. PIOTROWSKI	8-7-19
TECH.	L. UDDIN	9-8-19
APRV.	J. CAIRO	9-18-19

TITLE
GA500 DIMENSION DRAWING
FRAME SIZE 6
IP20 ENCLOSURE WITH EMC FILTER

SIZE A
PAGE 4 OF 4
DWG.NO.
DD.GA50.FR6.IP20.EMC

REV
0