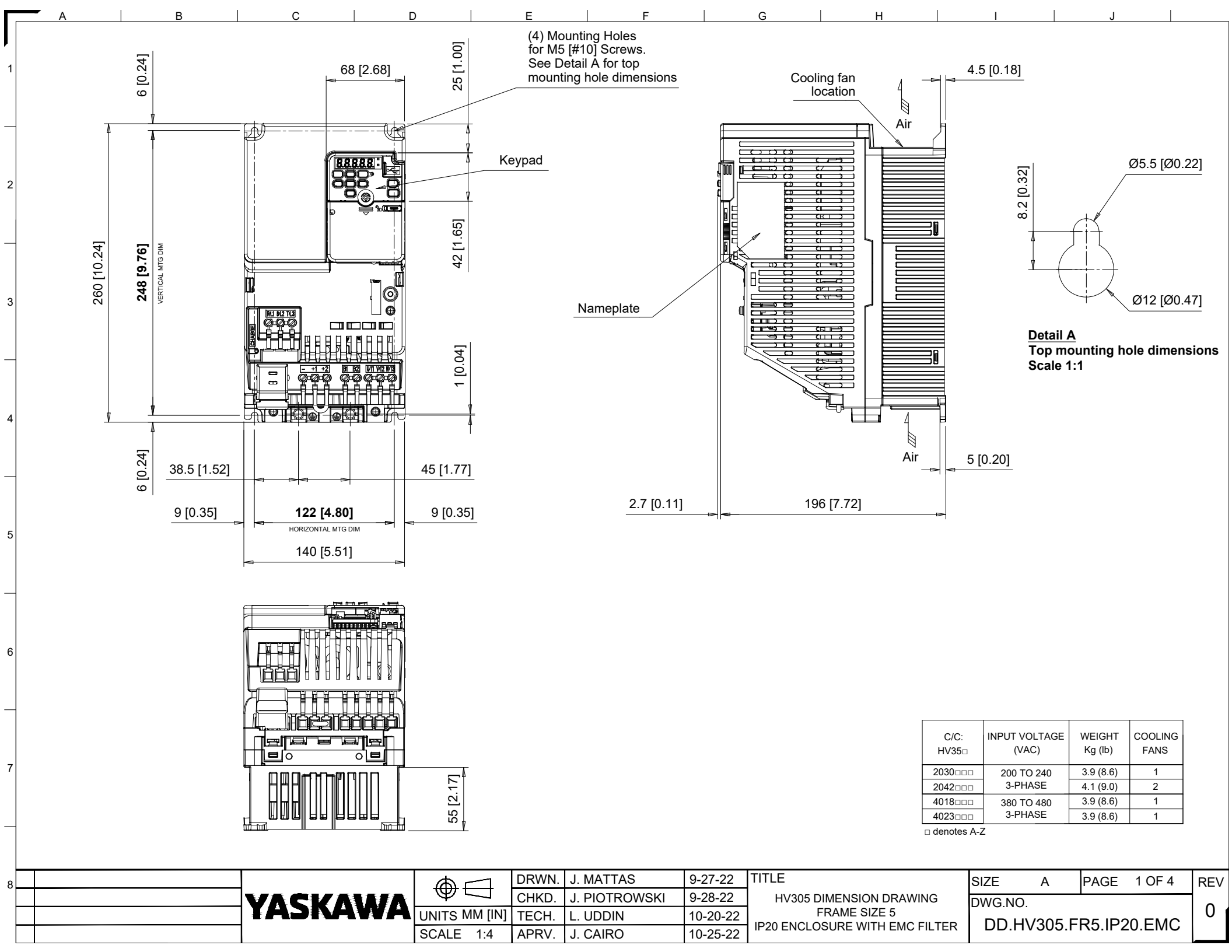




YASKAWA

UNITS MM [IN]
SCALE 1:4

DRWN. J. MATTAS 9-27-22
CHKD. J. PIOTROWSKI 9-28-22
TECH. L. UDDIN 10-20-22
APRV. J. CAIRO 10-25-22

TITLE
HV305 DIMENSION DRAWING
FRAME SIZE 5
IP20 ENCLOSURE WITH EMC FILTER

SIZE A
PAGE 1 OF 4
DWG.NO.
DD.HV305.FR5.IP20.EMC

REV
0

Terminal and Wiring Information for HV35□2030, HV35□4018 and HV35□4023

FRONT VIEW

127 [5.00]

Refer to DD.HV305.CONTROLBOARD drawing for Control Circuit Board details

Base Point of Control Circuit Board

EMC Filter Switch
See Detail A

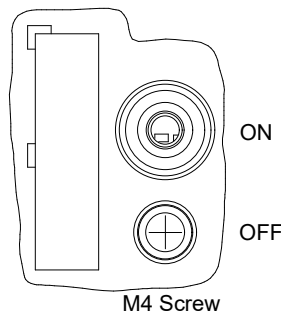
Main Circuit Terminals
with M4 Screws;
Slotted (-)

158.5 [6.24]

EMC FILTER SWITCH

Grounding Terminals
with M5 Screws;
Phillips(+)/Slotted(-) combo

Detail A
Scale 1:1



M4 Screw

BOTTOM VIEW

135 [5.32]

93.4 [3.68]

75.1 [2.96]

174.3 [6.86]

(Control Circuit Board)

(Grounding Terminals)

12.3 [0.48]

42.4 [1.67]

79 [3.11]

2xP10.2=20.3 [0.80]

2xP10.2=20.3 [0.80]

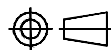
4xP10.2=40.6 [1.60]

C/C: HV35□	TERMINAL SYMBOL	WIRE RANGE AWG (mm ²)	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
	R/L1, S/L2, T/L3	14 - 6 (2.5 - 16)	M4	1.7 (15)
2030□□□	U/T1, V/T2, W/T3	14 - 6 (2.5 - 16)	M4	1.7 (15)
4018□□□	-, +1, +2	14 - 6 (2.5 - 16)	M4	1.7 (15)
4023□□□	B1, B2	14 - 6 (2.5 - 16)	M4	1.7 (15)
	Ⓢ	10 - 6 (6 - 16)	M5	2.0 - 2.5 (18 - 22)

□ 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	9-27-22
CHKD.	J. PIOTROWSKI	9-28-22
TECH.	L. UDDIN	10-20-22
APRV.	J. CAIRO	10-25-22

TITLE
HV305 DIMENSION DRAWING
FRAME SIZE 5
IP20 ENCLOSURE WITH EMC FILTER

SIZE A
PAGE 2 OF 4
DWG.NO.
DD.HV305.FR5.IP20.EMC

REV
0

Terminal and Wiring Information for HV35□2042

FRONT VIEW

127 [5.00]

Refer to DD.HV305.CONTROLBOARD drawing for Control Circuit Board details

Base Point of Control Circuit Board

EMC Filter Switch
See Detail A

Main Circuit Terminals
with M4 Screws;
Slotted (-)

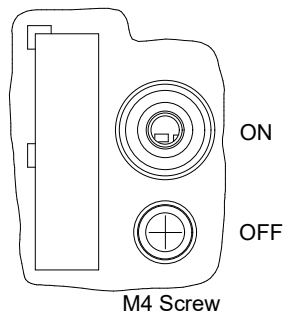
Main Circuit Terminals
with M5 Screws;
Slotted (-)

158.5 [6.24]

EMC FILTER SWITCH

Grounding Terminals
with M5 Screws;
Phillips(+)/Slotted(-) combo

Detail A
Scale 1:1



BOTTOM VIEW

135 [5.32]

94.7 [3.73]

93.4 [3.68]

75.1 [2.96]

(Grounding
Terminals)

174.3 [6.86]

(Control Circuit Board)

12.3 [0.48]

2xP10.2=20.3 [0.80]

36.5 [1.44]

2xP15=30 [1.18]

80.5 [3.17]

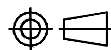
4xP10.2=40.6 [1.60]

C/C: HV35□	TERMINAL SYMBOL	WIRE RANGE AWG (mm²)	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
2042□□□	R/L1, S/L2, T/L3	14 - 6 (2.5 - 16)	M4	1.7 (15)
	U/T1, V/T2, W/T3	14 - 6 (2.5 - 16)	M4	1.7 (15)
	-, +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)	M5	2.0 - 2.5 (18 - 22)

□ Denotes A-Z

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

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UNITS MM [IN]

SCALE 1:3

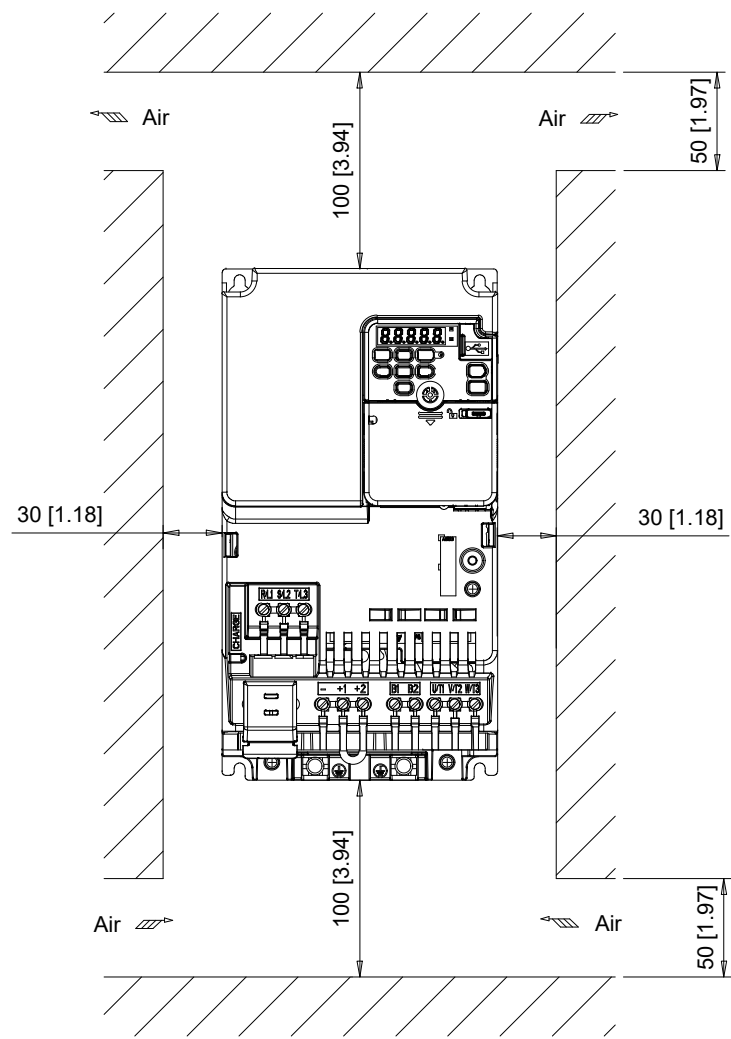
DRWN.	J. MATTAS	9-27-22
CHKD.	J. PIOTROWSKI	9-28-22
TECH.	L. UDDIN	10-20-22
APRV.	J. CAIRO	10-25-22

TITLE
HV305 DIMENSION DRAWING
FRAME SIZE 5
IP20 ENCLOSURE WITH EMC FILTER

SIZE	A	PAGE	3 OF 4
DWG.NO.		DD.HV305.FR5.IP20.EMC	

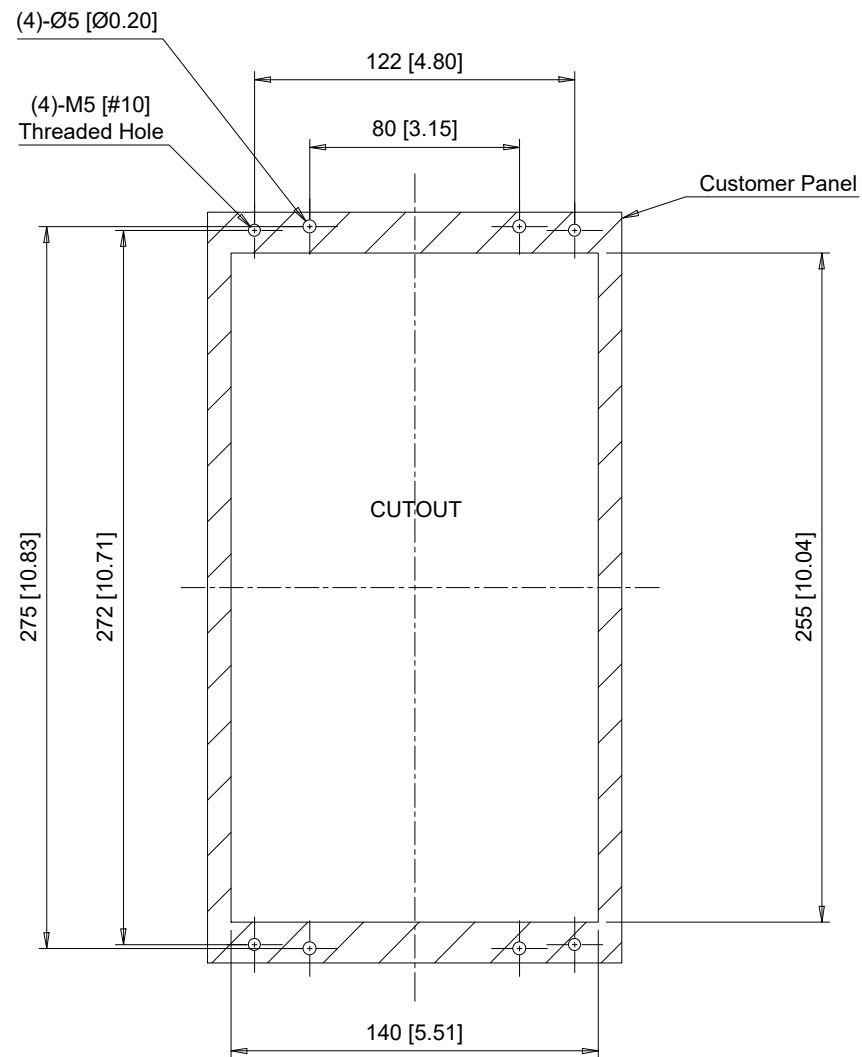
REV
0

Minimum Installation Clearances
Scale 1:4



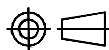
Note:
For alternate mounting configurations, consult manual.

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.

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UNITS MM [IN]
SCALE ABOVE

DRWN.	J. MATTAS	9-27-22
CHKD.	J. PIOTROWSKI	9-28-22
TECH.	L. UDDIN	10-20-22
APRV.	J. CAIRO	10-25-22

TITLE
HV305 DIMENSION DRAWING
FRAME SIZE 5
IP20 ENCLOSURE WITH EMC FILTER

SIZE	A	PAGE	4 OF 4
DWG.NO.	DD.HV305.FR5.IP20.EMC		

REV
0