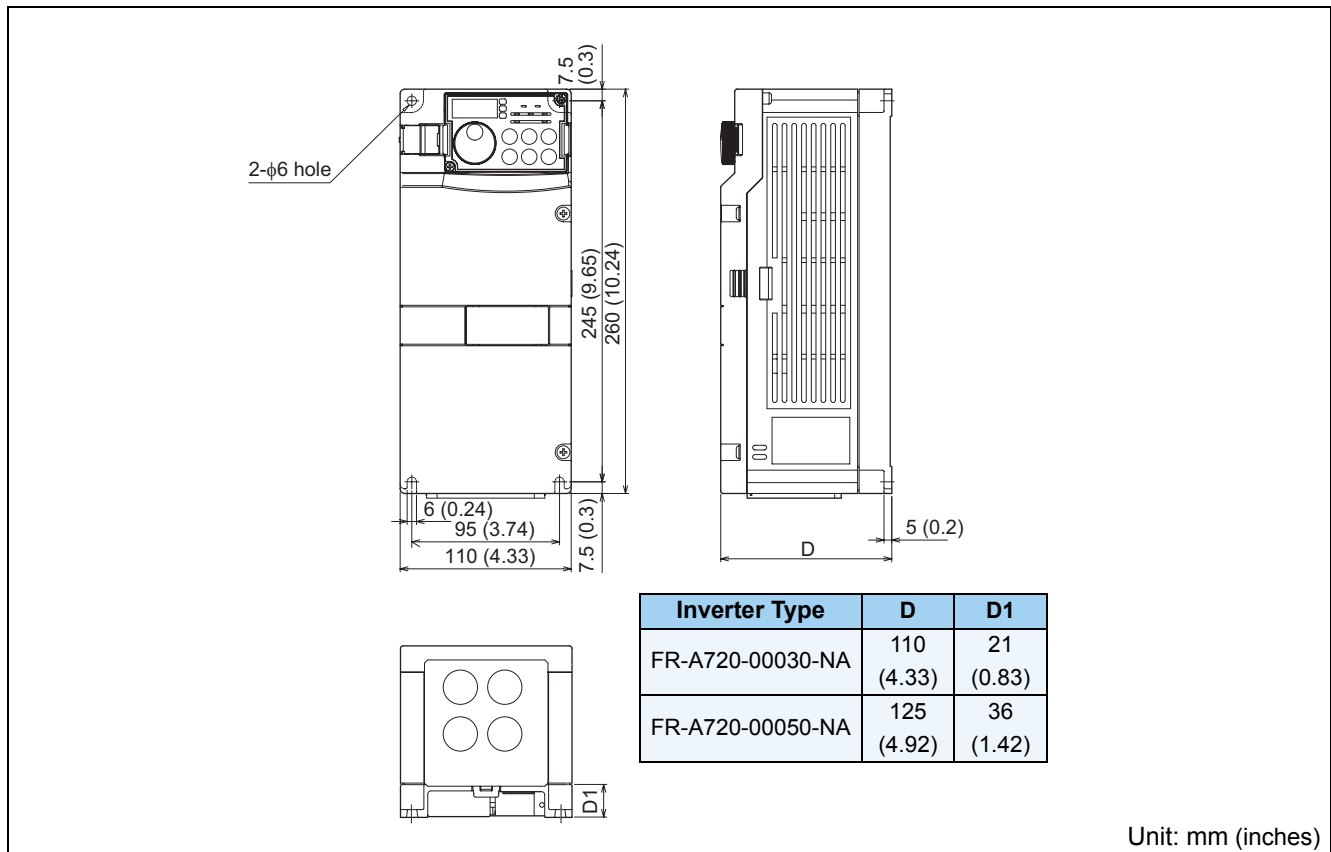


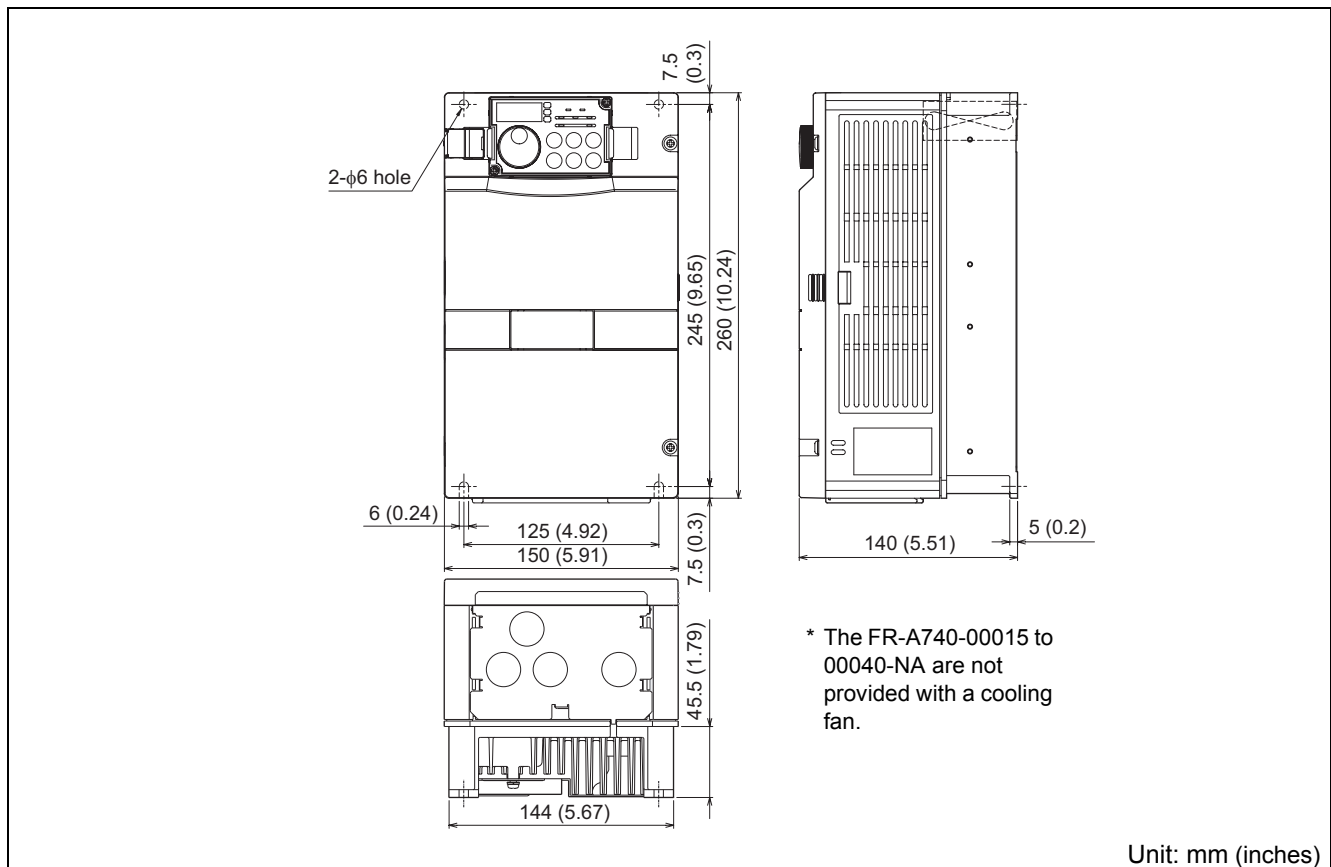
7.3 Outline dimension drawings

7.3.1 Inverter outline dimension drawings

- FR-A720-00030, 00050-NA



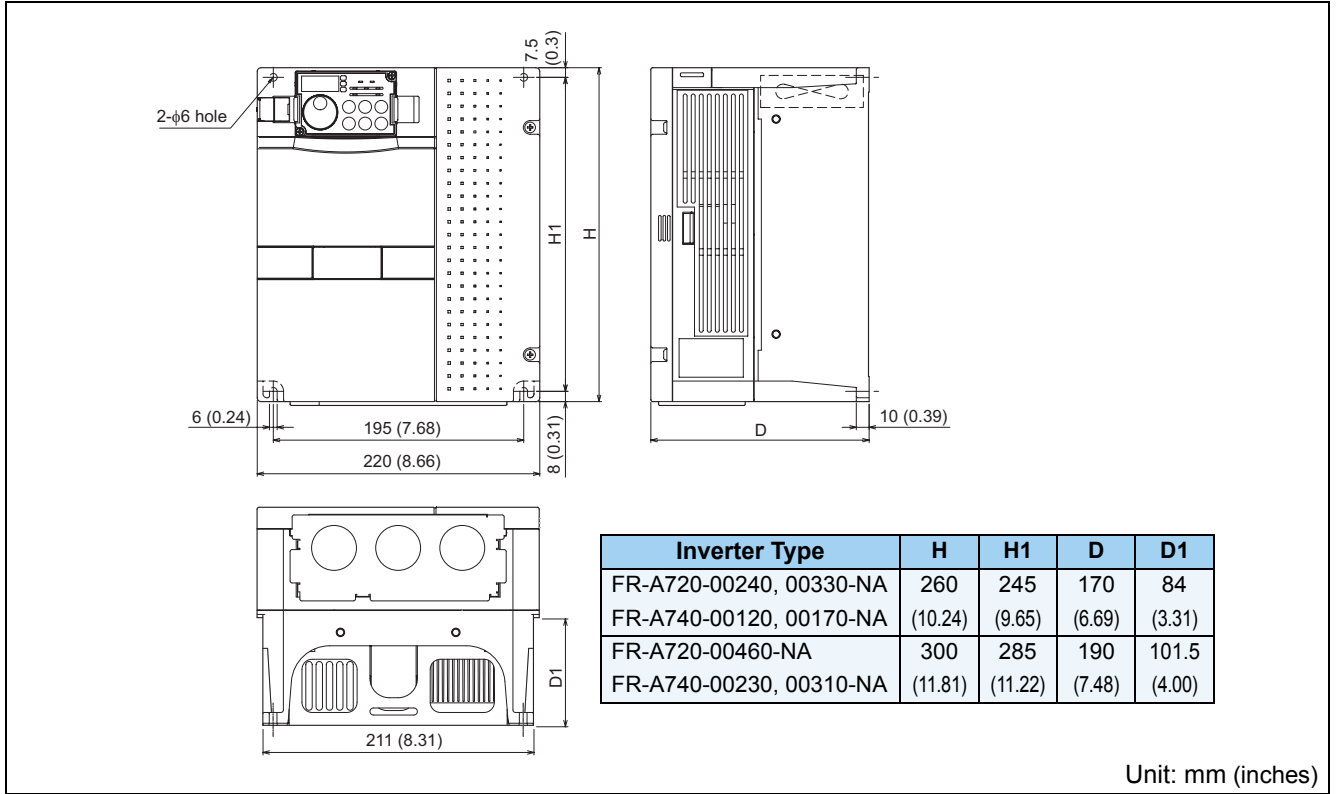
- FR-A720-00080, 00110, 00175-NA
- FR-A740-00015, 00025, 00040, 00060, 00090-NA



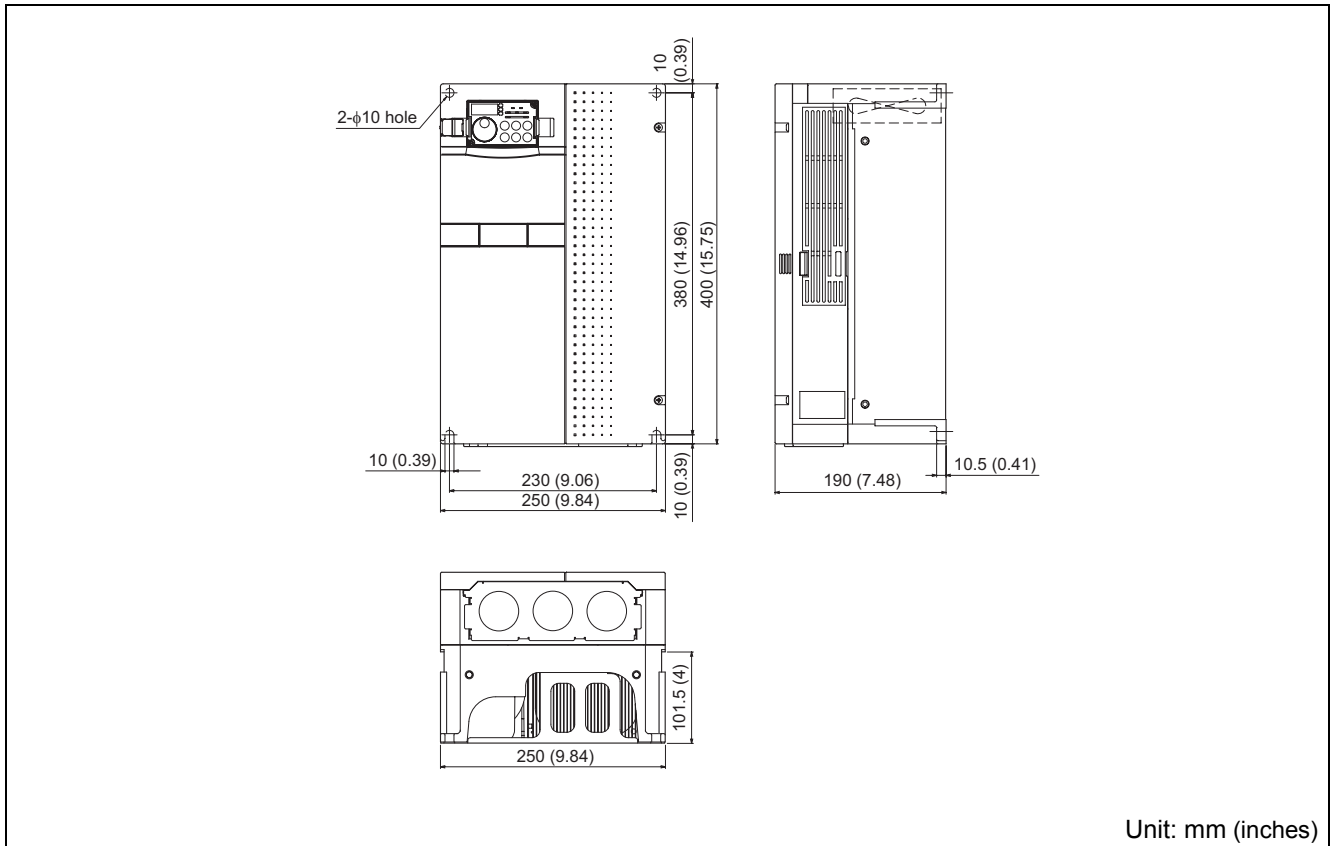
Outline dimension drawings



- FR-A720-00240, 00330, 00460-NA
- FR-A740-00120, 00170, 00230, 00310-NA

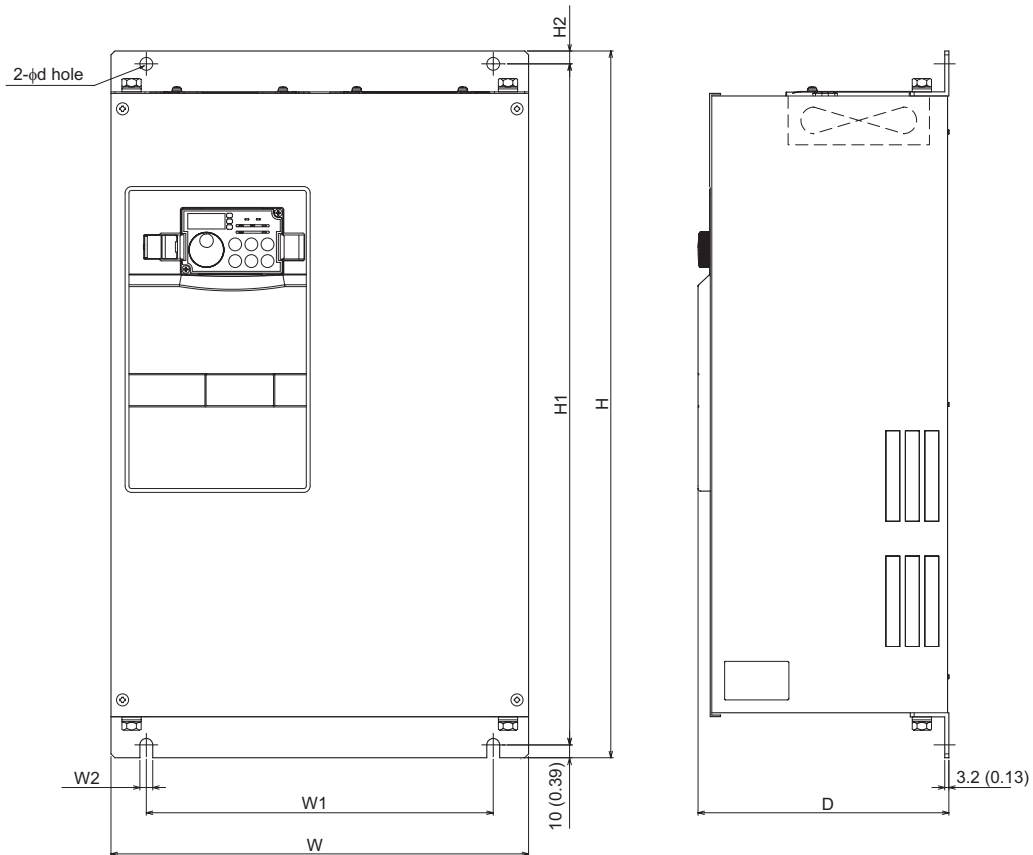


- FR-A720-00610, 00760, 00900-NA
- FR-A740-00380, 00430-NA





- FR-A720-01150, 01450, 01750, 02150-NA
- FR-A740-00570, 00710, 00860, 01100-NA

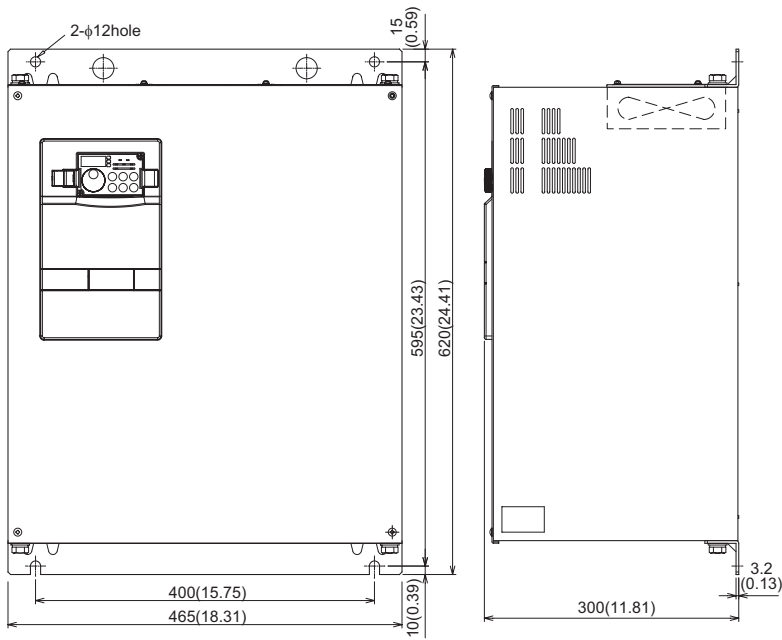


Inverter Type	W	W1	W2	H	H1	H2	d	D
FR-A720-01150-NA	325	270	10	550	530	10	10	195
FR-A740-00570-NA	(12.80)	(10.63)	(0.39)	(21.65)	(20.87)	(0.39)	(0.39)	(7.68)
FR-A720-01450, 01750-NA	435	380	12	550	525	15	12	250
FR-A740-00710, 00860, 01100-NA	(17.13)	(14.96)	(0.47)	(21.65)	(20.67)	(0.59)	(0.47)	(9.84)
FR-A720-02150-NA	465	410	12	700	675	15	12	250
	(18.31)	(16.14)	(0.47)	(27.56)	(26.57)	(0.59)	(0.47)	(9.84)

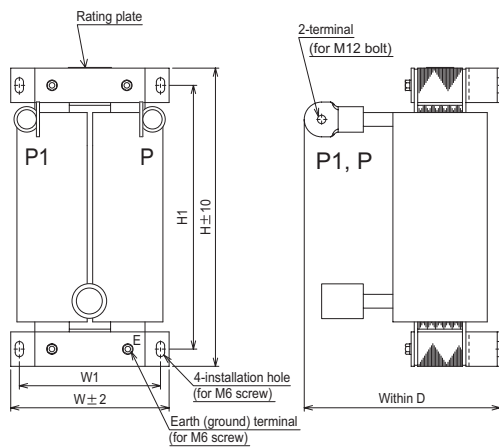
Unit: mm (inches)



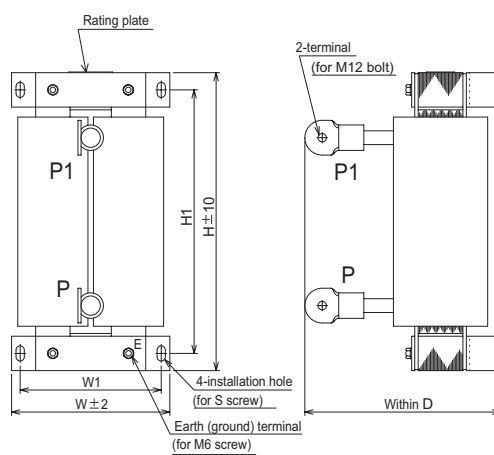
●FR-A740-01440, 01880-NA



●DC reactor supplied



●DC reactor supplied

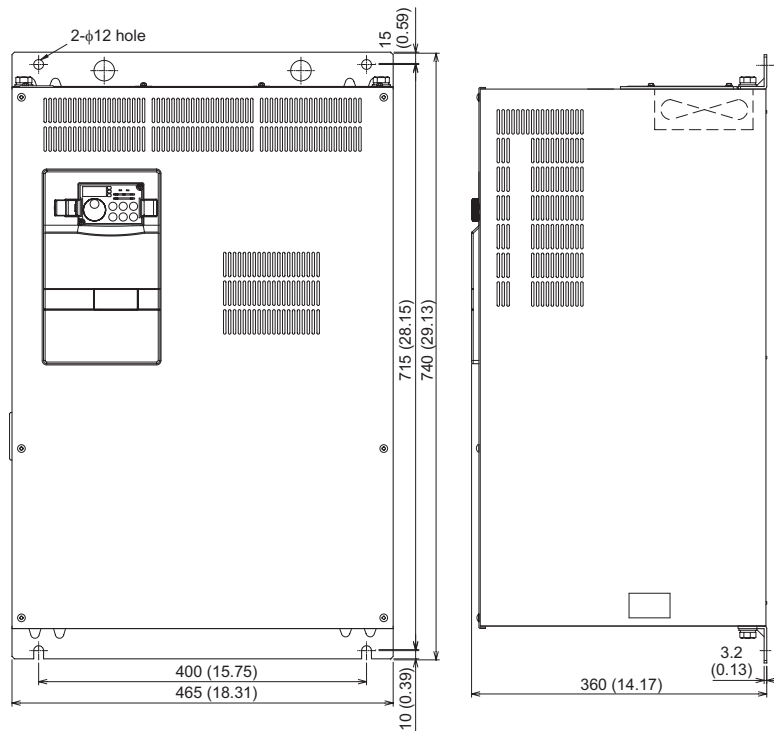


DC Reactor Type	W	W1	H	H1	D	Mass (Kg (lbs))
FR-HEL-H90K (FR-A740-01440-NA)	150 (5.91)	130 (5.12)	340 (13.39)	310 (12.20)	190 (7.48)	20 (44)

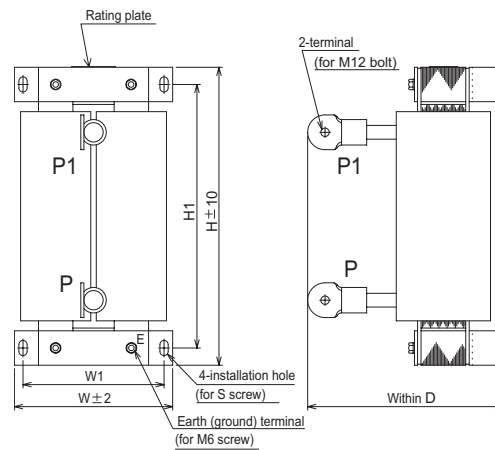
DC Reactor Type	W	W1	H	H1	D	S	Mass (Kg (lbs))
FR-HEL-H110K (FR-A740-01880-NA)	150 (5.91)	130 (5.12)	340 (13.39)	310 (12.20)	195 (7.68)	M6	22 (48.4)

Unit: mm (inches)

- FR-A720-02880, 03460-NA
- FR-A740-02160, 02600-NA



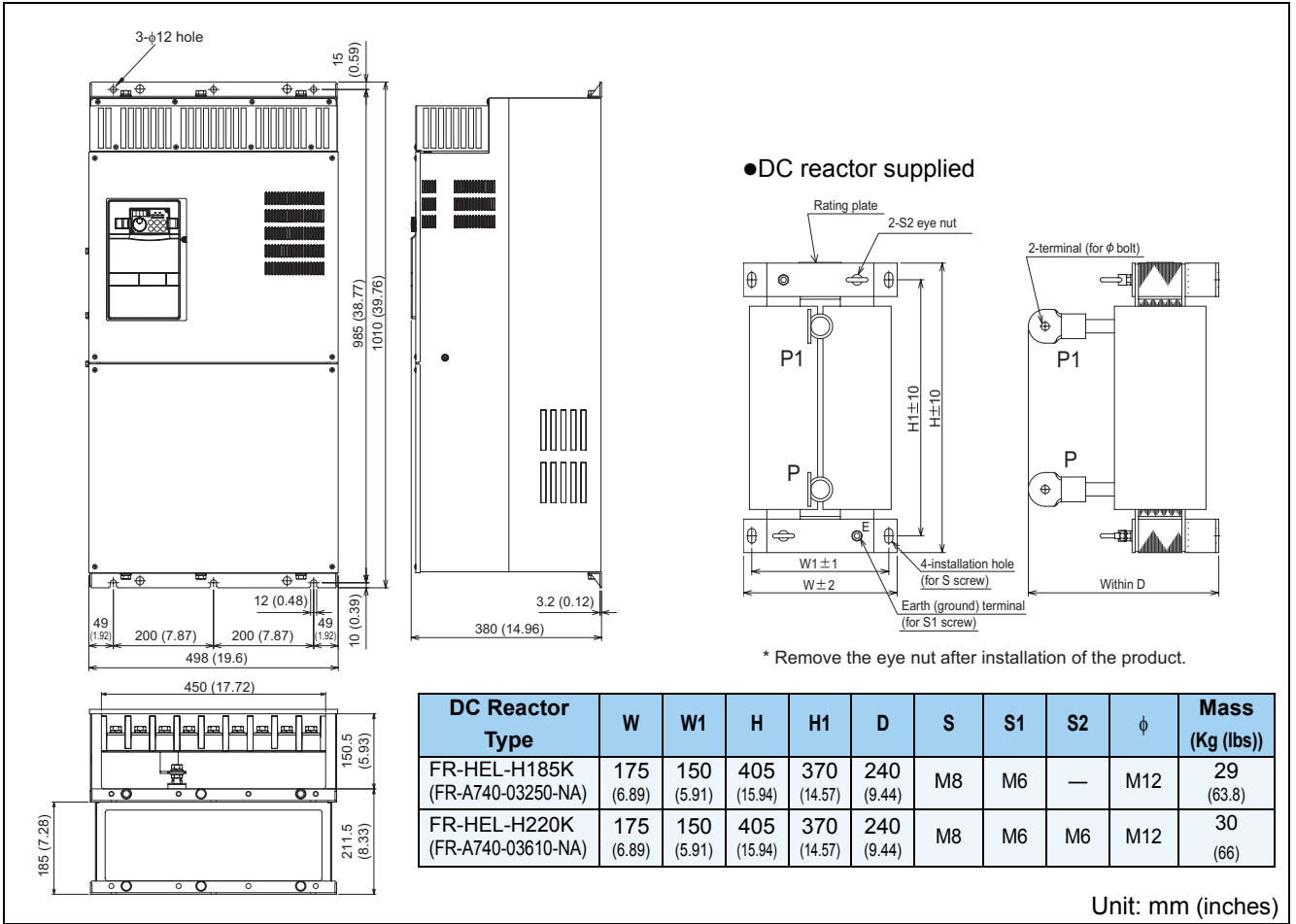
- DC reactor supplied



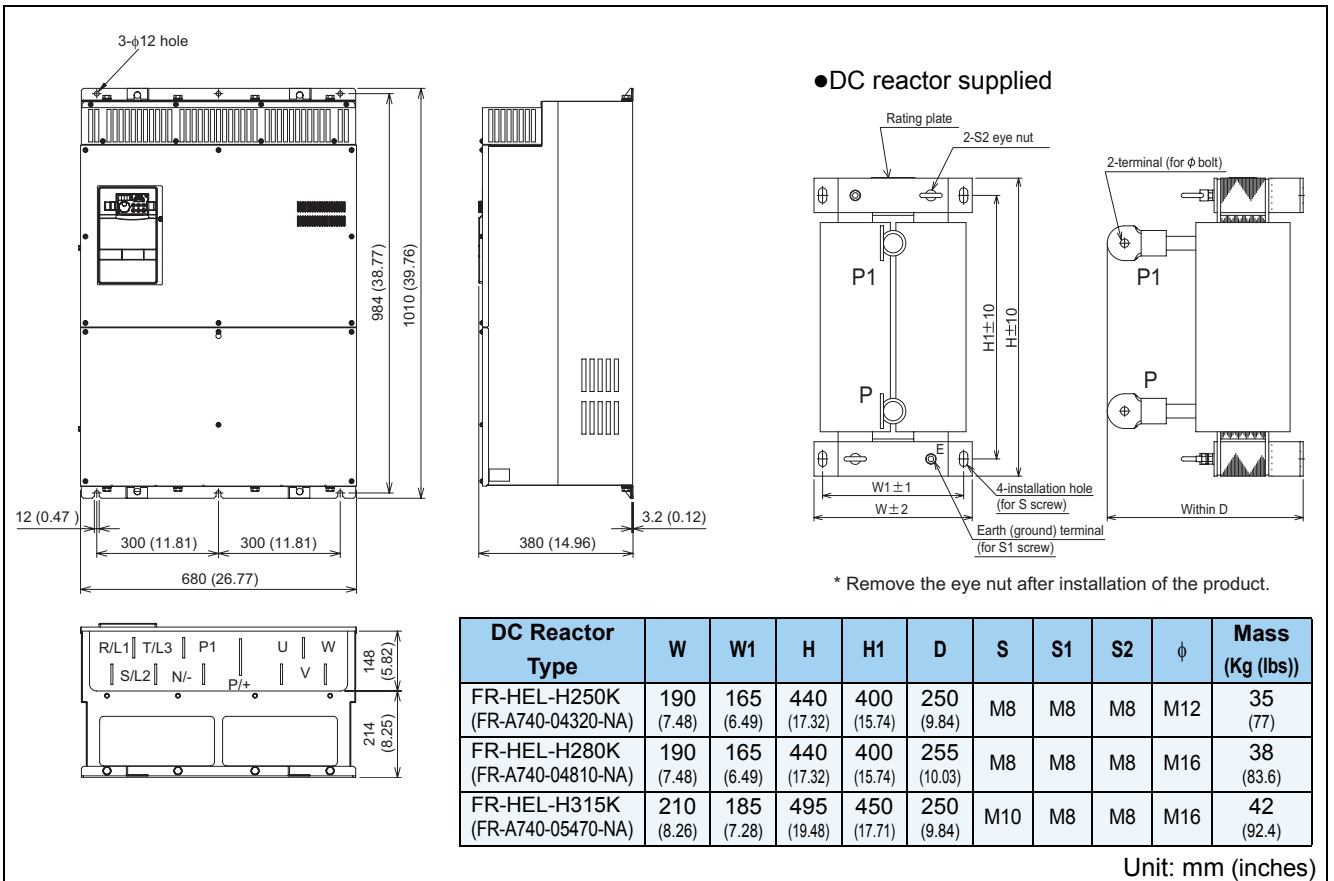
DC Reactor Type	W	W1	H	H1	D	S	Mass (Kg (lbs))
FR-HEL-90K (FR-A720-02880-NA)	150 (5.91)	130 (5.19)	340 (13.39)	310 (12.2)	200 (7.87)	M6	19 (41.8)
FR-HEL-110K (FR-A720-03460-NA)	175 (6.89)	150 (5.91)	400 (15.75)	365 (14.37)	200 (7.87)	M8	20 (44)
FR-HEL-H132K (FR-A740-02160-NA)	175 (6.89)	150 (5.91)	405 (15.94)	370 (14.57)	200 (7.87)	M8	26 (57.2)
FR-HEL-H160K (FR-A740-02600-NA)	175 (6.89)	150 (5.91)	405 (15.94)	370 (14.57)	205 (8.07)	M8	28 (61.6)

Unit: mm (inches)

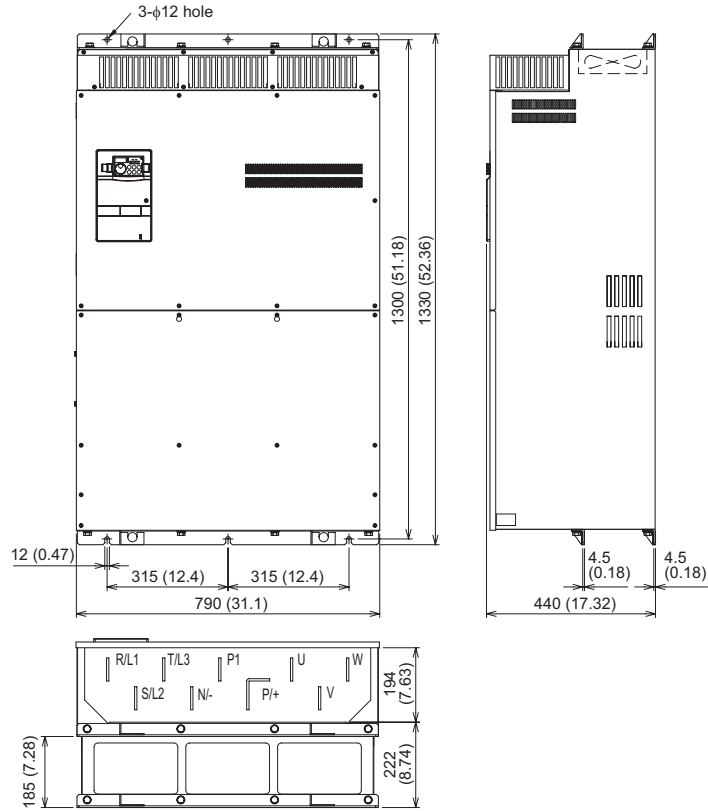
●FR-A740-03250, 03610-NA



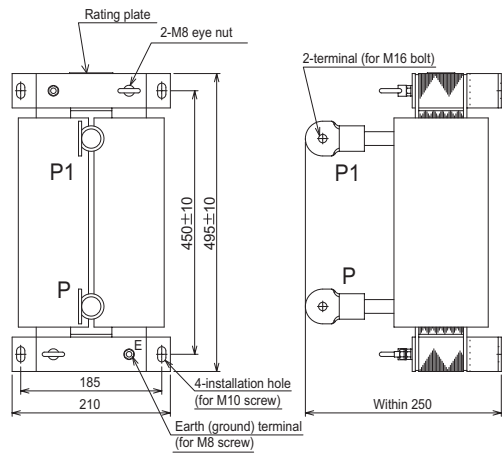
●FR-A740-04320, 04810, 05470-NA



●FR-A740-06100, 06830-NA



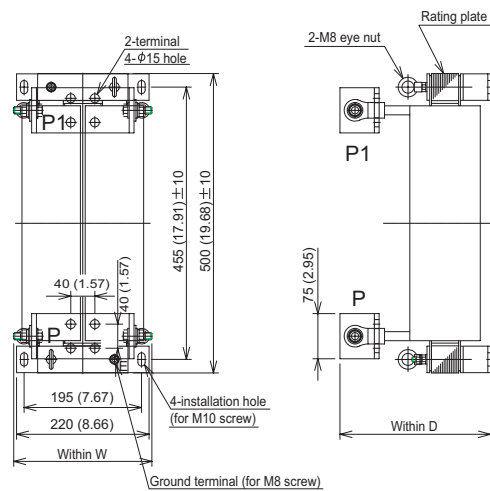
●DC reactor supplied



* Remove the eye nut after installation of the product.

DC Reactor Type	Mass (Kg (lbs))
FR-HEL-H355K (FR-A740-06100-NA)	46 (101.2)

●DC reactor supplied



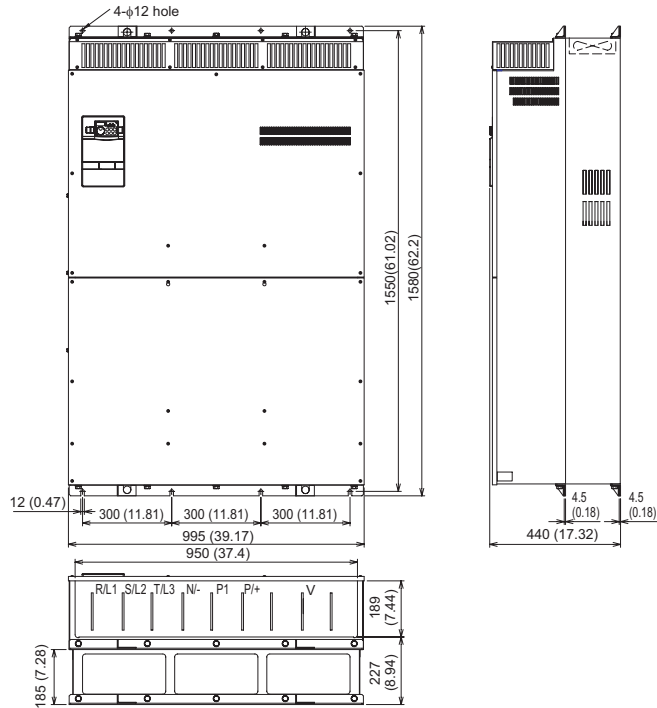
* Remove the eye nut after installation of the product.

DC Reactor Type	W	D	Mass (Kg (lbs))
FR-HEL-H400K (FR-A740-06830-NA)	235 (9.25)	250 (9.84)	50 (110)

Unit: mm (inches)

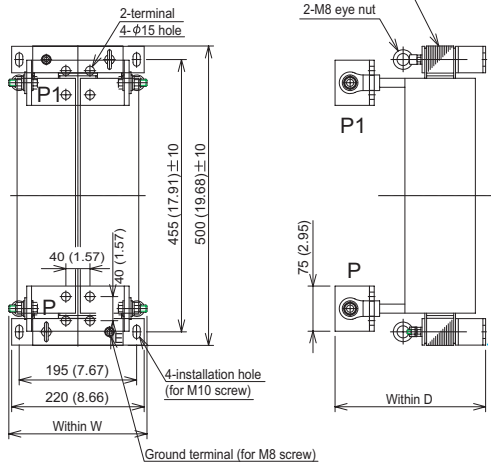


●FR-A740-07700, 08660, 09620-NA

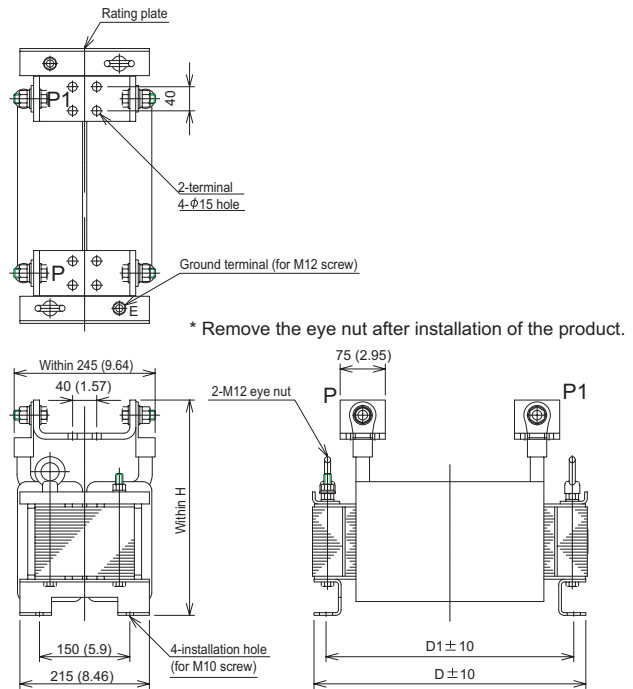


●DC reactor supplied

●DC reactor supplied



* Remove the eye nut after installation of the product.



* Remove the eye nut after installation of the product.

DC Reactor Type	W	D	Mass (Kg (lbs))
FR-HEL-H450K (FR-A740-07700-NA)	240 (9.45)	270 (10.63)	57 (125.4)

DC Reactor Type	H	D	D1	Mass (Kg (lbs))
FR-HEL-H500K (FR-A740-08660-NA)	345 (13.5)	455 (17.91)	405 (15.94)	67 (147.4)
FR-HEL-H560K (FR-A740-09620-NA)	360 (14.17)	460 (18.11)	410 (16.14)	85 (187)

Unit: mm (inches)

7.4 Heatsink protrusion attachment procedure

When encasing the inverter in an enclosure, the generated heat amount in an enclosure can be greatly reduced by installing the heatsink portion of the inverter outside the enclosure. When installing the inverter in a compact enclosure, etc., this installation method is recommended.

7.4.1 When using a heatsink protrusion attachment (FR-A7CN)

For the FR-A720-00080 to 02150, FR-A740-00015 to 02600, a heatsink can be protruded outside the enclosure using a heatsink protrusion attachment (FR-A7CN). (For the FR-A740-03250 or more, attachment is not necessary when the heatsink is to be protruded.)

For a panel cut dimension drawing and an installation procedure of the heatsink protrusion attachment (FR-A7CN) to the inverter, refer to a manual of "heatsink protrusion attachment".

7.4.2 Protrusion of heatsink of the FR-A740-03250 or more

(1) Panel cutting

Cut the panel of the enclosure according to the inverter capacity.

