

# ATX™ ECDX Series Customized Welded Steel Enclosures

## Flameproof

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
 Notable: INMETRO Certified

### Applications

- Designed for use in Zones 1, 2, 21 and 22 in the oil and gas industry; i.e. petroleum, chemical, refineries, and other industrial process facilities.
- Enclosures may be customized to house terminal blocks, and a large range of components; i.e. control units, breakers, starters, relays, meters, etc.

### Features

- Enclosures are available in a wide range of sizes.
- Precision machined flameproof joint between body and cover.
- Hinged door.
- External fixing lugs.
- Internal mounting pan.
- Square and round windows available in a wide range of sizes.
- Machining, drilling, and assembly must be done at our factory.
- Power dissipated calculation including cables must be completed according to each size of certified enclosure.

### Standard Materials

- Gray painted mechanically welded steel enclosure
- Stainless steel hardware

### Options

- Indirect cable entries available through Ex e connection enclosure.
- There are many options for customized enclosures not limited to: terminal strips, selector switches, operators, transformers, etc. Please contact your local representative for more information.

### ATEX/IECEx Certifications and Compliances

- Certification Type: CMS
  - Gas, Zones 1 and 2
    - Conforming to ATEX 2014/34 EU: Ⓢ II 2 G
    - Type of Protection: Ex d IIB
    - Temperature Class: T6 to T4



ECDX Series



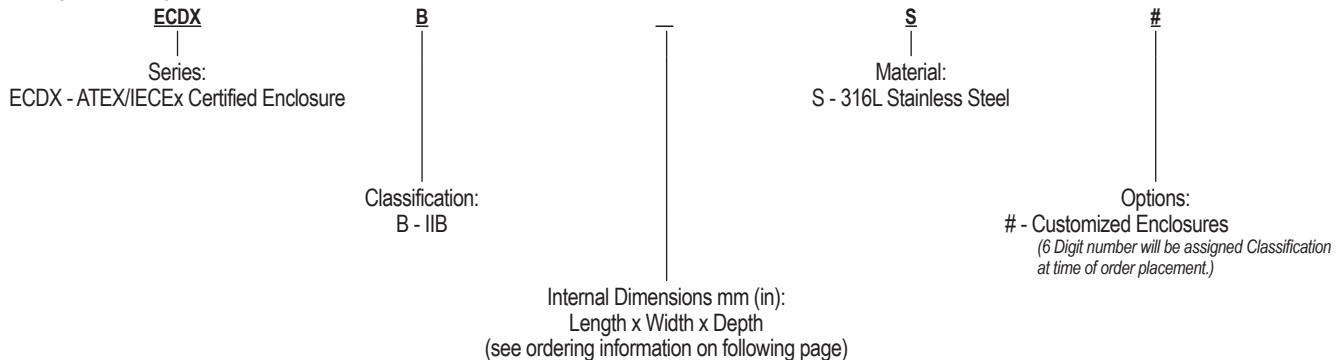
Customized Enclosure

- Dust, Zones 21 and 22
  - Conforming to ATEX 2014/34 EU: Ⓢ II 2 D
  - Type of Protection: Ex tD
  - Surface Temperature: T80 °C to T130 °C (T176 °F to T266 °F)
- Ambient Temperature: -20 °C to +55 °C (-4 °F to +131 °F)
- ATEX Certificate: LCIE 02 ATEX 6247X
- IECEx Certificate: IECEx LCI 080024X
- Index of Protection according EN/IEC 60529: IP66

### INMETRO Certifications

- Certification Type: CMS
  - INMETRO Certificate: BVC 11.0641-X

### Catalog Numbering Guide — ECDX Customized Enclosures



# ATX™ ECDX Series Customized Welded Steel Enclosures

## Flameproof

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 Notable: INMETRO Certified

Type	Dimensions — L x W x D mm (in)	Weight kg (lb)	Volume dm <sup>3</sup> (in <sup>3</sup> )	Catalog Number
<b>Ex d IIB Enclosure in Welded Steel</b>				
CMS3	300 (11.81) x 270 (10.63) x 180 (7.09)	92 (202.83)	234 (14279.6)	ECDXB302718#
CMS4	415 (16.34) x 260 (10.24) x 280 (11.02)	152 (335.10)	234 (14279.6)	ECDXB412628#
CMS5	415 (16.34) x 385 (15.16) x 280 (11.02)	180 (396.83)	369 (22517.8)	ECDXB413828#
CMS6	635 (25.00) x 375 (14.76) x 340 (13.38)	336 (740.75)	647 (39482.4)	ECDXB633734#
CMS7	635 (25.00) x 575 (22.64) x 340 (13.38)	384 (846.58)	647 (39482.4)	ECDXB635734#
CMS47	700 (27.56) x 500 (19.69) x 295 (11.61)	268 (590.84)	698 (42594.6)	ECDXB705029#
CMS43	700 (27.56) x 600 (23.62) x 295 (11.61)	298 (656.98)	698 (42594.6)	ECDXB706029#
CMS46	700 (27.56) x 700 (27.56) x 295 (11.61)	318 (701.07)	698 (42594.6)	ECDXB707029#
CMS44	800 (31.50) x 500 (19.69) x 295 (11.61)	298 (656.98)	698 (42594.6)	ECDXB805029#
CMS40	800 (31.50) x 600 (23.62) x 295 (11.61)	318 (701.07)	698 (42594.6)	ECDXB806029#
CMS42	800 (31.50) x 700 (27.56) x 295 (11.61)	308 (679.02)	698 (42594.6)	ECDXB807029#
CMS45	900 (35.43) x 500 (19.69) x 295 (11.61)	348 (767.21)	698 (42594.6)	ECDXB905029#
CMS41	900 (35.43) x 600 (23.62) x 295 (11.61)	348 (767.21)	698 (42594.6)	ECDXB906029#
CMS57	1000 (39.37) x 550 (21.65) x 295 (11.61)	395 (870.83)	1144 (69811.2)	ECDXB105529#
CMS52	1000 (39.37) x 630 (24.80) x 295 (11.61)	430 (947.99)	1144 (69811.2)	ECDXB106329#
CMS55	1000 (39.37) x 700 (27.56) x 295 (11.61)	452 (996.49)	1144 (69811.2)	ECDXB107029#
CMS53	1200 (47.24) x 550 (21.65) x 295 (11.61)	445 (981.06)	1144 (69811.2)	ECDXB125529#
CMS50	1200 (47.24) x 630 (24.80) x 295 (11.61)	485 (1069.24)	1144 (69811.2)	ECDXB126329#
CMS54	1200 (47.24) x 700 (27.56) x 295 (11.61)	515 (1135.38)	1144 (69811.2)	ECDXB127029#
CMS56	1400 (55.12) x 550 (21.65) x 295 (11.61)	495 (1091.29)	1144 (69811.2)	ECDXB145529#
CMS51	1400 (55.12) x 630 (24.80) x 295 (11.61)	540 (1190.50)	1144 (69811.2)	ECDXB146329#
<b>Ex d IIB Enclosure in 316L Stainless Steel</b>				
CMS3	300 (11.81) x 270 (10.63) x 180 (7.09)	92 (202.83)	234 (14279.6)	ECDXB302718S#
CMS4	415 (16.34) x 260 (10.24) x 280 (11.02)	152 (335.10)	234 (14279.6)	ECDXB412628S#
CMS5	415 (16.34) x 385 (15.16) x 280 (11.02)	180 (396.83)	369 (22517.8)	ECDXB413828S#
CMS6	635 (25.00) x 375 (14.76) x 340 (13.38)	336 (740.75)	647 (39482.4)	ECDXB633734S#
CMS7	635 (25.00) x 575 (22.64) x 340 (13.38)	384 (846.58)	647 (39482.4)	ECDXB635734S#
CMS47	700 (27.56) x 500 (19.69) x 295 (11.61)	268 (590.84)	698 (42594.6)	ECDXB705029S#
CMS43	700 (27.56) x 600 (23.62) x 295 (11.61)	298 (656.98)	698 (42594.6)	ECDXB706029S#
CMS46	700 (27.56) x 700 (27.56) x 295 (11.61)	318 (701.07)	698 (42594.6)	ECDXB707029S#
CMS44	800 (31.50) x 500 (19.69) x 295 (11.61)	298 (656.98)	698 (42594.6)	ECDXB805029S#
CMS40	800 (31.50) x 600 (23.62) x 295 (11.61)	318 (701.07)	698 (42594.6)	ECDXB806029S#
CMS42	800 (31.50) x 700 (27.56) x 295 (11.61)	308 (679.02)	698 (42594.6)	ECDXB807029S#
CMS45	900 (35.43) x 500 (19.69) x 295 (11.61)	348 (767.21)	698 (42594.6)	ECDXB905029S#
CMS41	900 (35.43) x 600 (23.62) x 295 (11.61)	348 (767.21)	698 (42594.6)	ECDXB906029S#
CMS57	1000 (39.37) x 550 (21.65) x 295 (11.61)	395 (870.83)	1144 (69811.2)	ECDXB105529S#
CMS52	1000 (39.37) x 630 (24.80) x 295 (11.61)	430 (947.99)	1144 (69811.2)	ECDXB106329S#
CMS55	1000 (39.37) x 700 (27.56) x 295 (11.61)	452 (996.49)	1144 (69811.2)	ECDXB107029S#
CMS53	1200 (47.24) x 550 (21.65) x 295 (11.61)	445 (981.06)	1144 (69811.2)	ECDXB125529S#
CMS50	1200 (47.24) x 630 (24.80) x 295 (11.61)	485 (1069.24)	1144 (69811.2)	ECDXB126329S#
CMS54	1200 (47.24) x 700 (27.56) x 295 (11.61)	515 (1135.38)	1144 (69811.2)	ECDXB127029S#
CMS56	1400 (55.12) x 550 (21.65) x 295 (11.61)	495 (1091.29)	1144 (69811.2)	ECDXB145529S#
CMS51	1400 (55.12) x 630 (24.80) x 295 (11.61)	540 (1190.50)	1144 (69811.2)	ECDXB146329S#

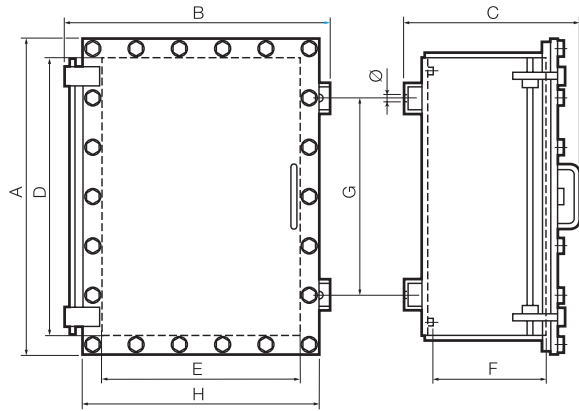


Enclosures and Junction Boxes

# ATX™ ECDX Series Customized Welded Steel Enclosures Flameproof

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
Notable: INMETRO Certified

## Dimensions in Millimeters (Inches)



Enclosures and Junction Boxes

Type	External		Internal				Fixings Lug Thick		mm (in)	Ø
	A	B	C	D	E	F	G	H		
CMS3	396 (15.59)	449 (17.67)	313 (12.32)	313 (12.32)	270 (10.63)	180 (7.09)	200 (7.87)	370 (14.57)	7 (0.28)	16 (0.63)
CMS4	511 (20.11)	439 (17.28)	413 (16.25)	415 (16.34)	260 (10.24)	280 (11.02)	315 (12.40)	360 (14.17)	7 (0.28)	16 (0.63)
CMS5	511 (20.11)	564 (22.20)	413 (16.25)	415 (16.34)	385 (15.16)	280 (11.02)	315 (12.40)	485 (19.09)	7 (0.28)	16 (0.63)
CMS6	731 (28.77)	554 (21.81)	473 (18.62)	635 (25)	375 (14.76)	340 (13.39)	455 (17.91)	475 (18.70)	7 (0.28)	16 (0.63)
CMS7	731 (28.77)	756 (29.76)	475 (18.70)	635 (25)	575 (22.64)	340 (13.39)	470 (18.50)	675 (26.57)	7 (0.28)	16 (0.63)
CMS47	796 (31.34)	679 (26.73)	443 (17.44)	700 (27.56)	500 (19.69)	295 (11.61)	500 (19.69)	600 (23.62)	7 (0.28)	18 (0.71)
CMS43	796 (31.34)	779 (30.66)	443 (17.44)	700 (27.56)	600 (23.62)	295 (11.61)	500 (19.69)	700 (27.56)	7 (0.28)	18 (0.71)
CMS46	796 (31.34)	879 (34.60)	443 (17.44)	700 (27.56)	700 (27.56)	295 (11.61)	500 (19.69)	800 (31.50)	7 (0.28)	18 (0.71)
CMS44	896 (35.28)	679 (26.73)	443 (17.44)	800 (31.50)	500 (19.69)	295 (11.61)	600 (23.62)	600 (23.62)	7 (0.28)	18 (0.71)
CMS40	896 (35.28)	779 (30.66)	448 (17.63)	800 (31.50)	600 (23.62)	295 (11.61)	600 (23.62)	700 (27.56)	7 (0.28)	18 (0.71)
CMS42	896 (35.28)	879 (34.60)	448 (17.63)	800 (31.50)	700 (27.56)	295 (11.61)	600 (23.62)	800 (31.50)	7 (0.28)	18 (0.71)
CMS45	996 (39.21)	679 (26.73)	443 (17.44)	900 (35.43)	500 (19.69)	295 (11.61)	600 (23.62)	600 (23.62)	7 (0.28)	18 (0.71)
CMS41	996 (39.21)	779 (30.66)	448 (17.63)	900 (35.43)	600 (23.62)	295 (11.61)	600 (23.62)	700 (27.56)	7 (0.28)	18 (0.71)
CMS57	1125 (44.29)	776 (30.55)	450 (17.71)	1000 (39.37)	550 (21.65)	295 (11.61)	700 (27.56)	660 (25.98)	7 (0.28)	22 (0.87)
CMS52	1125 (44.29)	856 (33.70)	450 (17.71)	1000 (39.37)	630 (24.80)	295 (11.61)	700 (27.56)	740 (29.13)	7 (0.28)	22 (0.87)
CMS55	1125 (44.29)	926 (36.45)	450 (17.71)	1000 (39.37)	700 (27.56)	295 (11.61)	700 (27.56)	810 (31.89)	7 (0.28)	22 (0.87)
CMS53	1325 (52.17)	776 (30.55)	450 (17.71)	1200 (47.24)	550 (21.65)	295 (11.61)	900 (35.43)	660 (25.98)	7 (0.28)	22 (0.87)
CMS50	1325 (52.17)	856 (33.70)	450 (17.71)	1200 (47.24)	630 (24.80)	295 (11.61)	900 (35.43)	740 (29.13)	7 (0.28)	22 (0.87)
CMS54	1325 (52.17)	926 (36.45)	450 (17.71)	1200 (47.24)	700 (27.56)	295 (11.61)	900 (35.43)	810 (31.89)	7 (0.28)	22 (0.87)
CMS56	1525 (60.04)	776 (30.55)	450 (17.71)	1400 (55.12)	550 (21.65)	295 (11.61)	1100 (43.31)	660 (25.98)	7 (0.28)	22 (0.87)
CMS51	1525 (60.04)	856 (33.70)	450 (17.71)	1400 (55.12)	630 (24.80)	295 (11.61)	1100 (43.31)	740 (29.13)	7 (0.28)	22 (0.87)