



# **ATEX ENCLOSURES: EJB X**

## **CARACTERISTIQUES TECHNIQUES:**

Body and lid: Stainless steel AISI 316L

Hinge: Cast iron on housing

**Lid handle:** Black painted steel for EJBX-55,55B, EJBX-6, 6B and EJBX-7, plastic painted black for all other models

**Treatment:** Quartz sandblasting

**Seal:** Hydrocarbon and high temperature resistant silicone, located between the body and the lid

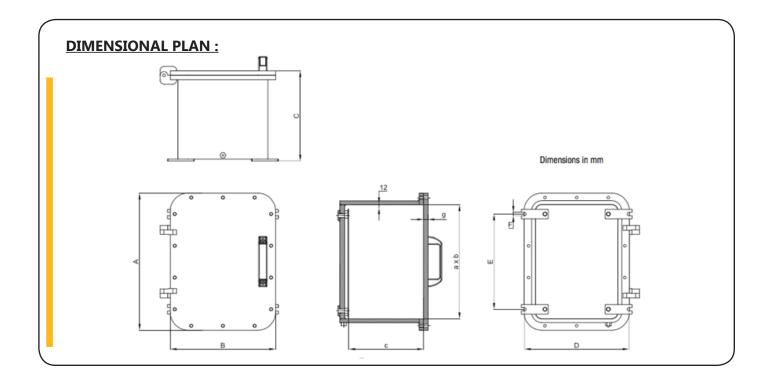
**Certification label:** adhesive label located inside an empty case; stainless steel label or riveted on the lid

**Bolt and screw:** Stainless steel

**Earth screw:** Stainless steel, M6. Inside and outside the body and on the lid with anti-rotation brackets

**Mounting brackets:** 4 feet welded to the body









## **ENCLOSURE SELECTION CHART:**

Outsid	de dimer	nsions	1	nside di	mensions	3		Mounting		Weight
A	В	C	а	b	C	g	E	D	F	kg
272	212	166	200	140	123	12	140	210	11	20
272	212	142	200	140	100	12	140	210	11	18
312	212	201	240	140	155	12	180	210	11	25
432	232	201	360	160	155	12	300	230	11	37
372	292	261	300	220	215	12	240	290	11	45
372	292	201	300	220	155	12	240	290	11	38
432	332	284	360	260	235	15	300	330	11	65
432	332	214	360	260	165	15	300	330	11	57
562	382	284	490	310	232	15	440	390	11	92
562	382	234	490	310	188	15	440	390	11	90
632	432	324	560	360	275	15	500	430	11	120
632	432	254	560	360	205	15	500	430	11	107
710	510	318	610	410	255	20	540	560	20	170
710	510	218	610	410	155	20	540	560	20	150
860	640	409	760	540	345	20	680	680	20	268
860	640	309	760	540	245	20	680	680	20	235
1000	700	338	900	600	275	20	820	740	20	310
	A 272 272 312 432 372 432 432 562 632 632 710 710 860 860	A     B       272     212       272     212       312     212       432     232       372     292       432     332       432     332       562     382       632     432       710     510       860     640       860     640	272 212 166   272 212 142   312 212 201   432 232 201   372 292 261   372 292 201   432 332 284   432 332 214   562 382 284   562 382 234   632 432 324   632 432 254   710 510 318   710 510 218   860 640 409   860 640 309	A     B     C     a       272     212     166     200       272     212     142     200       312     212     201     240       432     232     201     360       372     292     261     300       372     292     201     300       432     332     284     360       432     332     214     360       562     382     284     490       562     382     234     490       632     432     324     560       632     432     324     560       710     510     318     610       710     510     218     610       860     640     409     760       860     640     309     760	A     B     C     a     b       272     212     166     200     140       272     212     142     200     140       312     212     201     240     140       432     232     201     360     160       372     292     261     300     220       372     292     201     300     220       432     332     284     360     260       432     332     214     360     260       562     382     284     490     310       562     382     234     490     310       562     382     234     490     310       632     432     324     560     360       632     432     254     560     360       710     510     318     610     410       710     510     218     610     410       860     640     409 <td>A     B     C     a     b     c       272     212     166     200     140     123       272     212     142     200     140     100       312     212     201     240     140     155       432     232     201     360     160     155       372     292     261     300     220     215       372     292     201     300     220     155       432     332     284     360     260     235       432     332     214     360     260     165       562     382     284     490     310     232       562     382     234     490     310     188       632     432     324     560     360     275       632     432     254     560     360     205       710     510     318     610     410     255       710<!--</td--><td>A     B     C     a     b     c     g       272     212     166     200     140     123     12       272     212     142     200     140     100     12       312     212     201     240     140     155     12       432     232     201     360     160     155     12       372     292     261     300     220     215     12       372     292     201     300     220     155     12       432     332     284     360     260     235     15       432     332     284     360     260     165     15       562     382     284     490     310     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      312     212     201     240     140     155     12       432     232     201     360     160     155     12       372     292     261     300     220     215     12       372     292     201     300     220     155     12       432     332     284     360     260     235     15       432     332     284     360     260     165     15       562     382     284     490     310     232     15       562     382     234     490     310     188     15       632     432     324     560     360     275     15       632     432     254	A     B     C     a     b     c     g     E       272     212     166     200     140     123     12     140       272     212     142     200     140     100     12     140       312     212     201     240     140     155     12     180       432     232     201     360     160     155     12     300       372     292     261     300     220     215     12     240       372     292     201     300     220     155     12     240       432     332     284   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## **ENCLOSURE SELECTION CHART:**

THREAD COMPARISON CHART										
ISO 7-1 1/2" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 4"										
ANSI B.20.1 NPT	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"				
ISO 261/965	20x1.5	25x1.5	32x1.5	40x1.5	50x1.5	63x1.5	75x1.5	90x1,5	100x1,5	

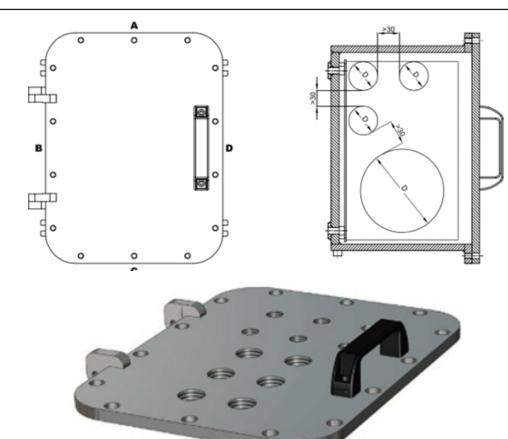
In accordance with the current standard, holes may be drilled by Cortem or by authorized partners holding a production notice in accordance with the ATEX Directive.







			HOLE DRILLING IN BODY																	
TYPE OF	Sides A and C										Sides B and D									
ENCLOSURE	Drilling	MAXIMUM QUANTITY PER HOLE TYPE								Drilling	1	IAXII	иим	QUAN	ITITY	PER	HOLE	TYP	E	
	area mm	1	2	3	4	5	6	7	8	10	area mm	1	2	3	4	5	6	7	8	10
EJBX-01	100x95	4	3	3	1	1	-	-	-	-	160x84	6	5	3	2	2	-	-	-	-
EJBX-01B	100x72	2	2	1	1	-	-	-	-	-	160x63	3	3	1	2	-	-	-	-	-
EJBX-1	100x130	6	5	4	2	2	1	1	1	-	200x125	12	11	6	6	4	2	2	1	1
EJBX-2	120x130	6	6	4	2	2	1	1	1	1	320x125	18	17	10	8	4	3	3	2	2
EJBX-3	180x190	16	12	9	6	6	4	2	2	1	260x180	20	18	12	11	9	6	3	3	1
EJBX-3B	180x130	12	8	6	4	4	2	1	1	1	260x120	15	14	8	6	6	3	2	2	2
EJBX-4	220x210	20	16	12	9	8	4	4	2	1	320x195	30	24	18	12	11	6	6	2	2
EJBX-4B	220x140	12	11	6	6	5	3	2	1	1	320x125	18	17	10	8	7	5	3	2	2
EJBX-45	270x205	25	20	16	12	9	6	4	3	1	450x195	43	32	28	18	17	10	8	4	3
EJBX-45B	270x155	15	15	12	8	6	5	2	2	1	450x145	26	24	21	12	12	9	4	3	2
EJBX-5	320x250	36	28	20	16	12	9	6	4	3	520x235	50	45	32	28	21	17	10	8	6
EJBX-5B	320x180	24	22	15	12	8	6	5	2	2	520x165	40	27	24	21	14	11	5	4	3
EJBX-55	370x230	35	24	24	15	12	8	6	3	3	570x215	53	40	32	24	20	12	10	4	4
EJBX-55B	370x130	21	18	12	10	8	4	3	3	-	570x115	22	19	19	15	11	6	5	4	-
EJBX-6	480x315	63	54	40	28	24	15	12	8	6	695x305	95	72	55	40	36	24	18	12	8
EJBX-6B	480x215	45	32	30	21	18	10	8	6	3	695x205	68	48	42	27	18	16	12	11	4
EJBX-7	540x250	63	48	36	28	21	17	10	8	3	840x235	85	70	52	35	33	27	16	14	5







### **THREAD COMPARISON CHART:**

THREAD COMPARISON CHART										
	ISO 228 G 3/8" G 1/2" G 3/4"							-		
D	ISO 261/965	M16x1.5	M20x1.5	M25x1.5	M32x1.5	M35x1.5	M40x1.5	M42x1.5		

## **DRILLING HOLES IN THE COVER:**

TUDE OF	HOLE DRILLING IN LID									
TYPE OF ENCLOSURE	Max. number	Drilling area mm								
	of permitted holes	E	F							
EJBX-01	2	200	114							
EJBX-1	5	225	100							
EJBX-2	9	345	125							
EJBX-3	12	285	190							
EJBX-4	17	345	225							
EJBX-45	28	475	275							
EJBX-5	40	545	325							
EJBX-55	51	624	424							
EJBX-6	70	730	495							
EJBX-7	96	900	565							

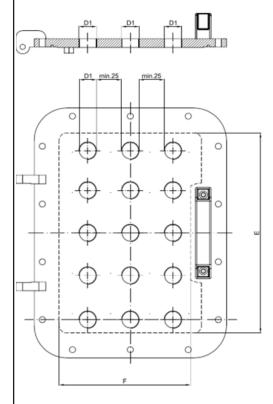
#### **Notes:**

This standard is for illustrative purposes only because it was designed exclusively for M42 holes.

Standard holes relate to the installation of Cortem control and signaling devices.

3/8 «holes for standard Cortem side handles > 70 mm.

1/2 " holes for side handles Cortem series heavy series, center distance> 120 mm.







### **CERTIFICATION DATA FOR EMPTY BOXES:**

Classification:

Category 2GD Group I/II

Installation: EN 60079.14

zone 1 - zone 2 (Gas)

zone 21 - zone 22 (Dust)

Marking:

C€ 0722 🐼 II 2 GD - Ex db IIB+H2 Gb - Ex tb IIIC Db - IP66/67

C€ 0722 1 M2 - Ex db I Mb

CESI 00 ATEX 036U Certification: **ATEX** 

> **IEC Ex** CES 14.0017U

**AVAILABLE** TR CU

All IEC Ex, TR CU, INMETRO certification data car be downloaded from www.cortemgroup.com

INMETRO DNV 16.0099U

CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 Standards: and EUROPEAN DIRECTIVE 2014/34/UE

Ambient Temp.:

-60°C +60°C

With boxes complete with polycarbonate indicator on lid Ta -40°C +60°C.

60°C +100°C

On request only for EJB enclosures without accessories and control

-60°C (Use indicator light series M-0457AL, M-0457AL/3, M-0457IN or M-0457IN/3)

Degree of protection:

IP66/67

For enclosures without control and signalling devices

IP66

For enclosures with Cortem M-0...-series control and signalling

## **APPLICATION SECTORS:**

















Oil refineries Chemical and petrochemical plants

Onshore plants

Offshore plants

Oil loading/ wharfs

offloading temperatures hydrogen

Presence of

100% Cortem product

