



COOPER Crouse-Hinds



HAZARDOUS AREA & INDUSTRIAL ENCLOSURE SOLUTIONS

www.enclosures-crouse-hinds.uk.com



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COMPANY PROFILE

Crouse- Hinds UK Ltd. is an EN ISO 9001: 2000 registered company manufacturing a range of high quality and robust junction boxes, enclosures and custom electrical assemblies. These have been designed and engineered to meet the requirements of both the most demanding hazardous area, marine and heavy industrial environmental applications.

With over 30 years of experience in the design, engineering and manufacture of enclosures and custom electrical assemblies, Crouse-Hinds provides proven, tried and tested solutions using quality materials and processes to provide products to endure the toughest environmental conditions for project and installation requirements.

Our core manufacturing expertise is in the manufacture of metallic fabricated enclosures in both steel and various grades of stainless steel. These enclosures are available in options of different material finishes including electro-polished, powder coated or natural finish, depending on the material and application.

The enclosure product lines are designed and ATEX certified for hazardous areas, UL certified for heavy industrial applications and are used predominantly in the very demanding petro-chemical, pharmaceutical, food process and utilities market sectors.

As a result of this our enclosure have the inherent benefits of a high degree of ingress protection (IP) to environmental characteristics such as ingress of water and dust. The ingress protection (IP) of all of our product line is IP66 (water & dust), additionally our enclosure product lines have an impact resistance of a minimum of 7Nm to maintain IP66.

The Crouse-Hinds enclosure product line is renowned worldwide for quality, performance, longevity, and value. This reflected by an impressive portfolio of global customers that include the majority of major; oil companies and pharmaceutical companies world-wide.

In addition to our standard range enclosure products we also manufacture many customised enclosure products for OEM customers that require an enclosure to meet a defined specification. These maybe variations on a standard product range to accommodate a customer's products or assemblies; alternatively it could be a custom design for a specific application.

At Crouse-Hinds we also undertake sub-contract works using our highly skilled and motivated work force in our modern production facility that has a comprehensive plant portfolio to provide a number or combination of services, these include:



Design & Engineering.



Punching & Forming.



Welding



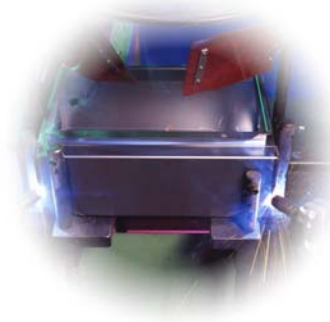
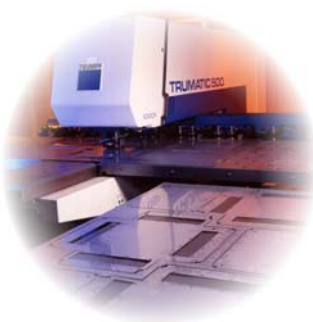
Electro-polishing (Stainless Steel)



Polyester Powder Coating.



Electrical Sub-Assembly.





C E R T I F I C A T E

DQS GmbH

Deutsche Gesellschaft zur Zertifizierung von Managementsystemen

hereby certifies that the company


COOPER Crouse-Hinds

COOPER Crouse-Hinds GmbH

Senator-Schwartz-Ring 26
D-59494 Soest

with the organizational units as listed in the annex

for the scope

Development, production and sales of Explosion Protected Products and Systems
standard and custom build enclosures for both nonhazardous and hazardous area applications,
Emergency Lightings and Emergency-Lighting systems

has implemented and maintains a

Quality Management System.

An audit, documented in a report, has verified that this
quality management system fulfills the requirements
of the following standard:

DIN EN ISO 9001 : 2000

December 2000 edition

This certificate is valid until 2005-07-04

Certificate Registration No.: 000431 QM

Frankfurt am Main, Berlin 2004-03-30

Ass. iur. M. Drechsel

MANAGING DIRECTORS

Dipl.-Ing. S. Heinloth

D-60433 Frankfurt am Main, August-Schanz-Straße 21
D-10787 Berlin, Burggrafenstraße 6

DQS is member of:



THE INTERNATIONAL CERTIFICATION NETWORK



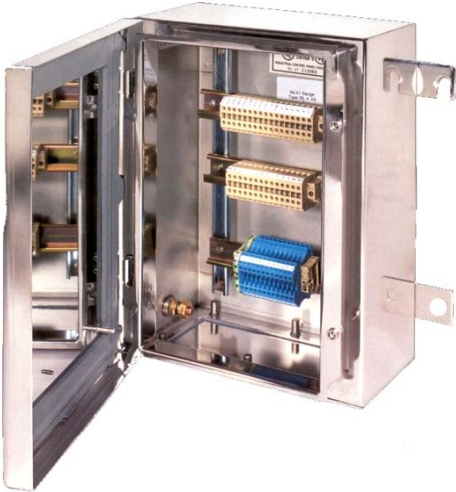
TGA-ZM-02-90-00
TGA-ZM-02-90-60

COOPER Crouse-Hinds

NEXT



STEEL ENCLOSURE RANGE



The **NEXT** range is an “ATEX certified” enclosure / termination solution available in various options of material and finishes. This multi certified enclosure is fully compliant with the impact, thermal and ingress requirements of EN50014, and is available in a comprehensive range of 17 different sizes and two depths, each with the facility for many configuration possibilities for a multitude of applications.

Using the highest quality materials, unique design benefits and precision manufacturing the **NEXT** range is the benchmark in heavy-duty gauge enclosures of its class with a 25 year design life.

Material / Finish Options	316L Stainless Steel (1.4404 to EN 10088) Superior “corrosion resistant” electro chemically polished. Sheet Steel - Polyester powder coated to RAL 7032.		
Gasket Material	High integrity “one piece” closed cell chloroprene or optional silicone gasket.		
Door Fixing	Detachable hinged door, stainless steel hinges with captive stainless steel hex screws.		
Enclosure Mounting	4 x external welded lugs, 11mm Ø holes / slots.		
Equipment Mountings	4 x stand off pillars 9mm Ø, 25mm high, tapped M6 x10, for rail or mounting plate.		
Gland Plate / Entries	3mm thick, quantity to meet client’s requirements.		
Enclosure Earthing	M10 internal / external brass earth stud assembly M6 internal stud on lid & painted gland plates.		
Certified IP Rating	IP66 to EN60529.	Deluge Test (Shell)	Spec. No. DTS 01.
Operating Temp Range	Chloroprene gasket -45°C (-49°F) to +80°C (176°F), Optional Silicone gasket -65°C (-85°F) to +135°C (-275°F).		
Ambient Temp Range	Chloroprene gasket -45°C (-49°F) to +40°C (104°F) for T6 -45°C (-49°F) to +55°C (131°F) for T5. Silicone gasket -65°C (-85°C) to +40°C (104°F) for T6. -65°C (-85°F) to +55°C (131°F) for T5.		
Impact Resistance	7 J (Nm) to EN 50014.		
Certification	ATEX II 2 GD EEx e II T6 or T5. (KEMA99ATEX3172X) GOST-R. AEx Class 1 Zone 1 AEx e II T6. (Limited sizes) cULus toUL50 / C22.2 no. 94-M91, types 3S, 4X, Germanischer Lloyd.		

NEXT ENCLOSURE TECHNICAL DATA

REV. 0205

DIMENSIONS IN MM (HEIGHT X WIDTH X DEPTH)		229 x 152 x 130	260 x 260 x 160	260 x 260 x 205	306 x 306 x 160	306 x 306 x 205	380 x 260 x 160	380 x 260 x 205	458 x 382 x 160	458 x 382 x 205	480 x 480 x 205	500 x 350 x 205	620 x 450 x 205	740 x 550 x 205	762 x 508 x 205	860 x 640 x 205	914 x 610 x 205	980 x 740 x 205
FIXING CENTRES (Vert. X Horiz.) NOTE : <u>123*</u> - Subtract 30mm when no side gland plates		152 x <u>208*</u>	170 x 316	170 x 316	203 x <u>361*</u>	203 x <u>361*</u>	250 X 316	250 X 316	305 x <u>437*</u>	305 x <u>437*</u>	327 x <u>535*</u>	350 x 406	450 x 506	540 x 606	508 x <u>564*</u>	570 x 696	559 x <u>666*</u>	700 x 796
CCH PART NUMBER		NXT221513	NXT262616	NXT262620	NXT303016	NXT303020	NXT382616	NXT382620	NXT453816	NXT453820	NXT484820	NXT503520	NXT624520	NXT745520	NXT765020	NXT866420	NTX916120	NXT987420
"TB" SIZE CROSS REFERENCE		TB 10 -130	NONE	NONE	TB11 -150	TB11 - 200	NONE	NONE	TB12 - 150	TB 12 - 200	TB 12A - 200	NONE	NONE	NONE	TB 13 - 200	NONE	TB14 -200	NONE
MATERIAL THICKNESS																		
	BODY	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
WEIGHT IN KG. (EMPTY ENCLOSURE)		3.25	5.50	5.50	7.00	7.00	7.00	7.00	9.75	9.75	10.40	10.50	17.00	30.40	23.50	29.00	31.00	38.00
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES		VERT 129 HORZ 52	160 160	160 160	206 206	206 206	280 180	280 180	358 282	358 282	380 380	400 260	520 350	640 450	662 408	760 540	814 510	880 640
RAIL LENGTH		VERT 149 HORZ 72	180 180	180 180	226 226	226 226	300 160	300 160	378 302	378 302	400 400	420 270	540 370	660 470	682 428	780 560	834 530	900 660
AVAILABLE GLANDING AREA																		
	TOP & BOTTOM	58 x 108	214 x 80	214 x 124	261 x 80	261 x 124	214 x 80	214 x 124	337 x 80	337 x 124	404 x 124	304 x 124	404 x 124	504 x 124	404 x 124	594 x 124	566 x 108	2 x (304 x 124)
	LEFT	58 x 108	114 x 80	114 x 124	214 x 80	214 x 124	214 x 80	214 x 124	337 x 80	337 x 124	337 x 124	304 x 124	404 x 124	504 x 124	594 x 124	2 x (304 x 124)	566 x 108	2 x (404 x 124)
	RIGHT	58 x 108	114 x 80	114 x 124	261 x 80	261 x 124	214 x 80	214 x 124	337 x 80	337 x 124	404 x 124	304 x 124	404 x 124	504 x 124	594 x 124	2 x (304 x 124)	566 x 108	2 x (404 x 124)
MAXIMUM ENTRIES																		
	M16	6	20	28	26	34	20	28	29	46	53	40	53	60	53	82	72	80
	M20	3	10	15	14	20	10	15	18	26	30	24	30	39	30	47	42	48
	M25	2	6	12	8	15	6	12	10	21	24	18	24	30	24	39	24	36
	M32	1	3	6	4	8	3	6	6	11	14	10	14	18	14	20	18	20
	M40	0	3	5	3	6	3	5	5	9	11	7	11	13	11	17	8	14
	M50	0	2	2	3	3	2	4	4	5	5	4	5	6	5	7	7	8
	M63	0	0	2	0	2	0	2	0	3	4	3	4	5	4	6	6	6
	M16	6	9	18	20	28	20	28	29	46	46	40	53	60	82	80	72	106
	M20	3	6	9	10	15	10	15	18	26	26	24	30	39	47	48	42	60
	M25	2	3	5	6	12	6	12	10	21	21	18	24	30	39	36	24	48
	M32	1	2	4	3	6	3	6	6	11	11	10	14	18	20	20	18	28
	M40	0	1	2	3	5	3	5	5	9	9	7	11	13	17	14	8	22
	M50	0	1	1	2	2	2	4	4	4	4	4	5	6	7	8	7	10
	M63	0	0	1	0	2	0	2	0	3	3	3	4	5	6	6	6	8
	M16	6	9	18	26	34	20	28	29	46	53	40	53	60	82	80	72	106
	M20	3	6	9	14	20	10	15	18	26	30	24	30	39	47	48	42	60
	M25	2	3	5	6	12	6	12	10	21	21	18	24	30	39	36	24	48
	M32	1	2	4	3	6	3	6	6	11	11	10	14	18	20	20	18	28
	M40	0	1	2	3	5	3	5	5	9	9	7	11	13	17	14	8	22
	M50	0	1	1	2	2	2	4	4	4	4	4	5	6	7	8	7	10
	M63	0	0	1	0	2	0	2	0	3	3	3	4	5	6	6	6	8
	M16	6	9	18	26	34	20	28	29	46	53	40	53	60	82	80	72	106
	M20	3	6	9	14	20	10	15	18	26	30	24	30	39	47	48	42	60
	M25	2	3	5	6	12	6	12	10	21	21	18	24	30	39	36	24	48
	M32	1	2	4	3	6	3	6	6	11	11	10	14	18	20	20	18	28
	M40	0	1	2	3	5	3	5	5	9	9	7	11	13	17	14	8	22
	M50	0	1	1	2	2	2	4	4	4	4	4	5	6	7	8	7	10
	M63	0	0	1	0	2	0	2	0	3	3	3	4	5	6	6	6	8
TERMINAL CONTENT																		
	Terminal Type (thk)																	
	Row Orientation																	
	WDU 2.5 (5)	VERT 1 x 21	2 x 27	2 x 27	2 x 36	2 x 36	2 x 51	2 x 51	2 x 67	2 x 67	3 x 71	3 x 75	4 x 99	5 x 124	3 x 128	6 x 147	5 x 158	6 x 171
	WDU 4 (6)	VERT 1 x 17	2 x 23	2 x 23	2 x 30	2 x 30	2 x 43	2 x 43	2 x 56	2 x 56	3 x 59	2 x 63	3 x 83	4 x 103	3 x 106	5 x 123	5 x 132	6 x 143
	WDU 6 (8)	VERT 1 x 13	1 x 17	1 x 17	2 x 23	2 x 23	1 x 32	1 x 32	2 x 42	2 x 42	3 x 44	2 x 47	3 x 62	4 x 77	3 x 80	5 x 92	4 x 99	5 x 107
	WDU 10 (10)	VERT 1 x 10	1 x 13	1 x 13	2 x 18	2 x 18	1 x 25	1 x 25	2 x 33	2 x 33	3 x 35	2 x 37	3 x 49	4 x 61	3 x 64	4 x 73	4 x 79	5 x 85
	SAK 2.5 (6)	VERT 1 x 17	2 x 23	2 x 23	2 x 30	2 x 30	2 x 43	2 x 43	3 x 56	3 x 56	4 x 59	3 x 63	4 x 83	5 x 103	4 x 106	6 x 143	5 x 132	8 x 143
	SAK 4 (6.5)	VERT 1 x 16	2 x 21	2 x 21	2 x 28	2 x 28	2 x 39	2 x 39	3 x 51	3 x 51	4 x 55	3 x 58	4 x 67	4 x 95	4 x 98	5 x 113	5 x 121	7 x 132
	SAK 6 (8)	VERT 1 x 13	2 x 17	2 x 17	2 x 23	2 x 23	2 x 32	2 x 32	3 x 42	3 x 42	4 x 44	3 x 47	3 x 62	4 x 77	4 x 80	5 x 92	5 x 99	6 x 107
	SAK 10 (10)	VERT 1 x 10	2 x 13	2 x 13	2 x 18	2 x 18	2 x 25	2 x 25	3 x 33	3 x 33	4 x 35	3 x 37	3 x 49	4 x 61	4 x 64	5 x 73	5 x 79	6 x 85

NOTES : -
 1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
 2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

PLEASE REFER TO SEPARATE DATA SHEET FOR "LANDSCAPE" SIZES.

NEXT - LANDSCAPE ENCLOSURE TECHNICAL DATA

REV. 0205

DIMENSIONS IN mm (HEIGHT X WIDTH X DEPTH)			306 x 350 x 205	380 x 450 x 205	458 x 550 x 205	500 x 640 x 205
FIXING CENTRES (Vert. X Horiz.)			203 x 405	250 x 506	305 x 606	350 x 696
CCH PART REFERENCE			NXT303520	NXT384520	NXT455520	NXT506420
MATERIAL THICKNESS, mm	BODY		1.5	1.5	1.5	2.0
	DOOR		1.5	1.5	1.5	2.0
WEIGHT IN Kg (Empty)			7.7	10.6	14.9	20.9
TERMINAL MOUNTING RAIL						
RAIL FIXING CENTRES	VERT		206	280	358	400
	HORZ		250	350	450	540
OVERALL RAIL LENGTH	VERT		226	300	378	420
	HORZ		270	370	470	560
AVAILABLE GLANDING AREA						
		TOP & BOTTOM	304 x 124	404 x 124	504 x 124	594 x 124
		LEFT	214 x 124	214 x 124	334 x 124	404 x 124
		RIGHT	258 x 124	214 x 124	334 x 124	404 x 124
MAXIMUM ENTRIES						
		TOP & BOTTOM				
		M16	40	53	60	82
		M20	24	30	39	47
		M25	18	24	30	39
		M32	10	14	18	20
		M40	7	11	13	17
		M50	4	5	6	7
		M63	3	4	5	6
		LEFT				
		M16	28	28	44	53
		M20	15	15	26	30
		M25	12	12	21	24
		M32	6	6	11	14
		M40	5	5	9	11
		M50	2	2	4	5
		M63	2	2	3	4
		RIGHT				
		M16	34	28	44	53
		M20	18	15	26	30
		M25	15	12	21	24
		M32	8	6	11	14
		M40	6	5	9	11
		M50	3	2	4	5
		M63	2	2	3	4
TERMINAL CONTENT						
	<u>Terminal Type (thk)</u>	<u>Row Orientation</u>				
	WDU 2.5 (5)	VERT	3 x 36	4 x 36	5 x 67	6 x 75
	WDU 4 (6)	VERT	2 x 30	3 x 36	4 x 56	5 x 63
	WDU 6 (8)	VERT	2 x 23	3 x 30	4 x 42	5 x 47
	WDU 10 (10)	VERT	2 x 18	3 x 23	4 x 33	4 x 37

Please refer to NOTES on main data sheet for Next enclosures

NEXT ENCLOSURE TECHNICAL DATA
(Imperial)

REV.0205

ALL DIMENSIONS IN INCHES (HEIGHT X WIDTH X DEPTH)	9.02 x 5.98 x 5.12	10.24 x 10.24 x 6.3	10.24 x 10.24 x 8.07	12.05 x 12.05 x 6.3	12.05 x 12.05 x 8.07	14.96 x 10.24 x 6.3	14.96 x 10.24 x 8.07	18.03 x 15.04 x 6.3	18.03 x 15.04 x 8.07	18.9 x 18.9 x 8.07	19.69 x 13.78 x 8.07	24.41 x 17.72 x 8.07	29.13 x 21.65 x 8.07	30 x 20 x 8.07	33.86 x 25.2 x 8.07	35.98 x 24.02 x 8.07	38.58 x 29.13 x 8.07
FIXING CENTRES (Vert. X Horiz.)	5.98 x <u>8.19*</u>	6.69 x 12.44	6.69 x 12.44	0.79 x <u>1.42*</u>	0.79 x <u>1.42*</u>	9.84 x 12.44	9.84 x 12.44	12.01 x <u>17.2*</u>	12.01 x <u>17.2*</u>	12.87 x <u>21.06*</u>	13.78 x 15.98	17.72 x 19.92	21.26 x 23.86	20 x <u>22.2*</u>	22.44 x 27.4	22.01 x <u>26.22*</u>	27.56 x 31.34
NOTE : *123* - Subtract 1.18mm when no side gland plates																	
CCH PART NUMBER	NXT221513	NXT262616	NXT262620	NXT303016	NXT303020	NXT382616	NXT382620	NXT453816	NXT453820	NXT484820	NXT503520	NXT624520	NXT745520	NXT765020	NXT866420	NXT916120	NXT987420
TB / TBX PART No. CROSS REFERENCE	TB 10 -130	NONE	NONE	TB11 -150	TB11 - 200	NONE	NONE	TB12 - 150	TB 12 - 200	TB 11 - 200	NONE	NONE	NONE	TB 13 - 200	NONE	TB14 -200	NONE
MATERIAL THICKNESS in mm																	
BODY	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
WEIGHT IN POUNDS (EMPTY ENCLOSURE)	7.15	12.10	12.10	15.40	15.40	15.40	15.40	21.45	21.45	22.88	23.10	37.40	66.88	51.70	63.80	68.20	83.60
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES																	
VERT	5.08	6.30	6.30	8.11	8.11	11.02	11.02	14.09	14.09	14.96	15.75	20.47	25.20	26.06	29.92	32.05	34.65
HORZ	2.05	6.30	6.30	8.11	8.11	7.09	7.09	11.10	11.10	14.96	10.24	17.72	17.72	16.06	21.26	20.08	25.20
RAIL LENGTH																	
VERT	5.87	7.09	7.09	8.90	8.90	11.81	11.81	14.88	14.88	15.75	16.54	21.26	25.98	26.85	30.71	32.83	35.43
HORZ	2.83	7.09	7.09	8.90	8.90	6.30	6.30	11.89	11.89	15.75	10.63	14.57	18.50	16.85	22.05	20.87	25.98
AVAILABLE GLANDING AREA																	
Top & Bot	4.25 x 2.28	8.43 x 3.15	8.43 x 4.88	10.28 x 3.15	10.28 x 4.88	8.43 x 3.15	8.43 x 4.88	13.27 x 3.15	13.27 x 4.88	15.91 x 4.88	11.97 x 4.88	15.91 x 4.88	19.84 x 4.88	15.91 x 4.88	23.39 x 4.88	22.28 x 4.25	2 x (11.97 x 4.88)
LEFT	4.25 x 2.28	4.49 x 3.15	4.49 x 4.88	8.43 x 3.15	8.43 x 4.88	8.43 x 3.15	8.43 x 4.88	13.27 x 3.15	13.27 x 4.88	13.27 x 4.88	11.97 x 4.88	15.91 x 4.88	19.84 x 4.88	23.39 x 4.88	2 x (11.97 x 4.88)	22.28 x 4.25	2 x (15.91 x 4.88)
RIGHT	4.25 x 2.28	4.49 x 3.15	4.49 x 4.88	10.28 x 3.15	10.28 x 4.88	8.43 x 3.15	8.43 x 4.88	13.27 x 3.15	13.27 x 4.88	15.91 x 4.88	11.97 x 4.88	15.91 x 4.88	19.84 x 4.88	23.39 x 4.88	2 x (11.97 x 4.88)	22.28 x 4.25	2 x (15.91 x 4.88)
MAXIMUM ENTRIES																	
TOP & BOTTOM																	
1/2" NPT	3	11	17	13	20	11	17	18	27	33	24	33	41	33	48	47	48
3/4" NPT	2	4	12	5	15	4	12	7	21	26	18	26	32	26	39	24	36
1" NPT	2	4	7	4	8	4	7	6	11	14	10	14	18	14	21	20	20
1 1/4" NPT	0	3	5	4	9	3	5	5	9	11	8	11	14	11	17	8	16
1 1/2" NPT	0	2	2	3	3	2	2	4	4	5	4	5	6	5	7	7	7
2" NPT	0	0	2	0	2	0	2	0	3	4	3	4	5	4	6	6	5
2 1/2" NPT	0	0	2	0	2	0	2	0	3	3	2	3	4	3	5	5	4
LEFT																	
1/2" NPT	3	5	8	11	17	11	17	18	27	27	24	33	41	33	48	47	66
3/4" NPT	2	2	6	4	12	4	12	7	21	21	18	26	32	26	36	24	51
1" NPT	2	2	3	4	7	4	7	6	11	11	10	14	18	21	20	20	28
1 1/4" NPT	0	1	2	3	5	3	5	5	9	11	8	11	14	17	16	8	22
1 1/2" NPT	0	1	1	2	2	2	2	4	4	4	4	5	6	7	7	7	9
2" NPT	0	0	1	0	2	0	2	0	3	3	3	4	5	6	7	6	7
2 1/2" NPT	0	0	1	0	2	0	2	0	3	3	2	3	4	5	4	5	6
RIGHT																	
1/2" NPT	3	5	8	13	20	11	17	18	27	33	24	33	41	33	48	24	33
3/4" NPT	2	2	6	5	15	4	12	7	21	26	18	26	32	26	39	18	24
1" NPT	2	2	3	4	8	4	7	6	11	14	10	14	18	21	20	20	26
1 1/4" NPT	0	1	2	4	9	3	5	5	9	11	8	11	14	17	16	8	14
1 1/2" NPT	0	1	1	3	3	2	2	4	4	5	4	5	6	7	7	8	11
2" NPT	0	0	1	0	2	0	2	0	3	4	3	4	5	6	7	6	7
2 1/2" NPT	0	0	1	0	2	0	2	0	3	3	2	3	4	5	4	5	6
TERMINAL CONTENT																	
Terminal Type (thk)	Row Orientation																
WDU 2.5 (5)	VERT	1 x 21	2 x 27	2 x 27	2 x 36	2 x 36	2 x 51	2 x 51	2 x 67	2 x 67	3 x 71	3 x 75	4 x 99	5 x 124	3 x 128	6 x 147	5 x 158
WDU 4 (6)	VERT	1 x 17	2 x 23	2 x 23	2 x 30	2 x 30	2 x 43	2 x 43	2 x 56	2 x 56	3 x 59	2 x 63	3 x 83	4 x 103	3 x 106	5 x 123	5 x 132
WDU 6 (8)	VERT	1 x 13	1 x 17	1 x 17	2 x 23	2 x 23	1 x 32	1 x 32	2 x 42	2 x 42	3 x 44	2 x 47	3 x 62	4 x 77	3 x 80	5 x 92	4 x 99
WDU 10 (10)	VERT	1 x 10	1 x 13	1 x 13	2 x 18	2 x 18	1 x 25	1 x 25	2 x 33	2 x 33	3 x 35	2 x 37	3 x 49	4 x 61	3 x 64	4 x 73	4 x 79
SAK 2.5 (6)	VERT	1 x 17	2 x 23	2 x 23	2 x 30	2 x 30	2 x 43	2 x 43	3 x 56	3 x 56	4 x 59	3 x 63	4 x 83	5 x 103	4 x 106	6 x 143	5 x 132
SAK 4 (6.5)	VERT	1 x 16	2 x 21	2 x 21	2 x 28	2 x 28	2 x 39	2 x 39	3 x 51	3 x 51	4 x 55	3 x 58	4 x 67	4 x 95	4 x 98	5 x 113	5 x 121
SAK 6 (8)	VERT	1 x 13	2 x 17	2 x 17	2 x 23	2 x 23	2 x 32	2 x 32	3 x 42	3 x 42	4 x 44	3 x 47	3 x 62	4 x 77	4 x 80	5 x 92	5 x 99
SAK 10 (10)	VERT	1 x 10	2 x 13	2 x 13	2 x 18	2 x 18	2 x 25	2 x 25	3 x 33	3 x 33	4 x 35	3 x 37	3 x 49	4 x 61	4 x 64	5 x 73	5 x 79

NOTES : - 1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

PLEASE REFER TO SEPARATE DATA SHEET FOR "LANDSCAPE" SIZES.

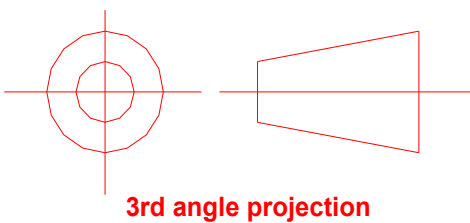
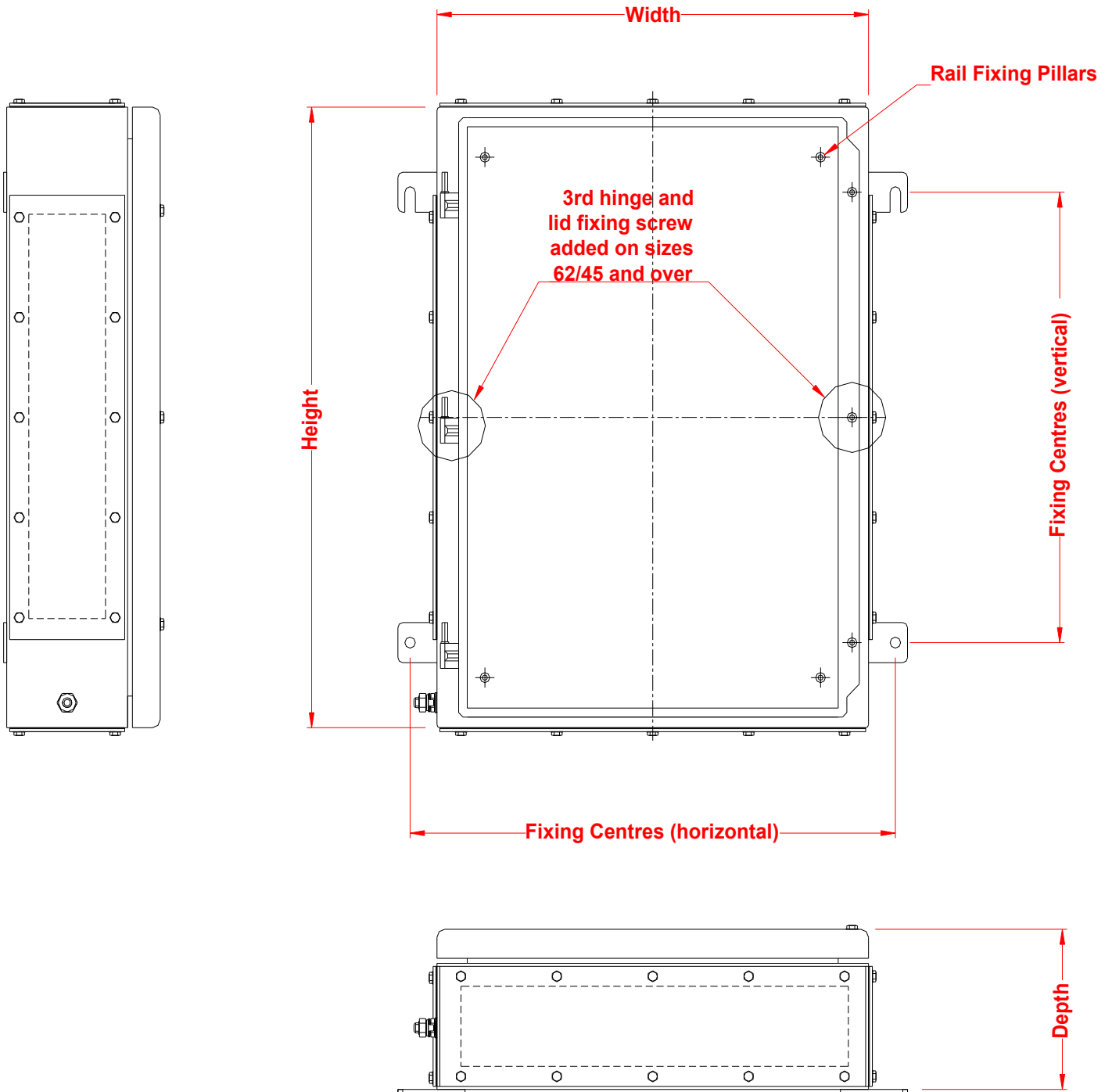
**NexT - "Landscape" ENCLOSURE TECHNICAL DATA
(Imperial)**

REV. 0205

ALL DIMENSIONS IN INCHES (HEIGHT X WIDTH X DEPTH)		12.05" x 13.78" x 8.07"	14.96" x 17.72" x 8.07"	18.03" x 21.65" x 8.07"	19.69" x 25.2" x 8.07"
CCH PART NUMBER		NXT303520	NXT384520	NXT455520	NXT506420
FIXING CENTRES (Vert. X Horiz.)		7.99" x 15.94"	9.84" x 19.92"	12.01" x 23.86"	13.78" x 27.4"
MATERIAL THICKNESS in mm					
	BODY	1.5	1.5	1.5	1.5
	DOOR	1.50	1.50	1.50	1.50
WEIGHT in lbs (empty)		17.0	23.2	32.7	46.1
TERMINAL MOUNTING RAIL					
RAIL FIXING CENTRES					
	VERT	8.11	11.02	14.09	15.75
	HORZ	9.84	13.78	17.72	21.26
OVERALL RAIL LENGTH					
	VERT	8.90	11.81	14.88	16.54
	HORZ	10.63	14.57	18.5	22.05
AVAILABLE GLANDING AREA					
	Top & Bot	11.97 x 4.88	15.91 x 4.88	19.84 x 4.88	23.39 x 4.88
	LEFT	8.43 x 4.88	8.43 x 4.88	13.15 x 4.88	15.91 x 4.88
	RIGHT	10.16 x 4.88	8.43 x 4.88	13.15 x 4.88	15.91 x 4.88
MAXIMUM ENTRIES		Gland / Hub	Gland / Hub	Gland / Hub	Gland / Hub
TOP & BOTTOM					
	1/2" NPT	38 / 21	52 / 29	64 / 36	78 / 42
	3/4" NPT	23 / 12	32 / 16	39 / 20	47 / 24
	1" NPT	18 / 10	26 / 13	33 / 17	39 / 21
	1 1/4" NPT	10 / 8	13 / 11	17 / 14	20 / 17
	1 1/2" NPT	8 / 4	11 / 5	14 / 6	17 / 8
	2" NPT	3 / 3	5 / 4	6 / 5	7 / 6
	2 1/2" NPT	3 / 3	4 / 4	5 / 5	6 / 6
LEFT					
	1/2" NPT	26 / 14	26 / 14	42 / 23	52 / 29
	3/4" NPT	15 / 8	15 / 8	26 / 13	32 / 16
	1" NPT	12 / 6	12 / 6	21 / 11	26 / 13
	1 1/4" NPT	6 / 5	6 / 5	11 / 9	13 / 11
	1 1/2" NPT	5 / 2	5 / 2	9 / 4	11 / 5
	2" NPT	2 / 2	2 / 2	4 / 3	5 / 4
	2 1/2" NPT	2 / 2	2 / 2	3 / 3	4 / 4
RIGHT					
	1/2" NPT	32 / 18	26 / 14	42 / 23	52 / 29
	3/4" NPT	20 / 10	15 / 8	26 / 13	32 / 16
	1" NPT	15 / 8	12 / 6	21 / 11	26 / 13
	1 1/4" NPT	8 / 7	6 / 5	11 / 9	13 / 11
	2" NPT	3 / 3	2 / 2	4 / 3	5 / 4
	2 1/2" NPT	2 / 2	2 / 2	3 / 3	4 / 4
TERMINAL CONTENT					
Terminal Type / Orientation					
WDU 2.5N (5)	VERT	3 x 36	4 x 36	5 x 67	6 x 75
WDU 2.5 (5)	VERT	2 x 30	3 x 36	4 x 56	5 x 63
WDU 4 (6)	VERT	2 x 23	3 x 30	4 x 42	5 x 47
WDU 6 (8)	VERT	2 x 18	3 x 23	4 x 33	4 x 37

Please refer to NOTES on main data sheet for NexT enclosures

NexT (NXT) Range Enclosure - General Arrangement



COOPER Crouse-Hinds

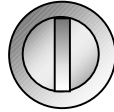
Ex-Cell STEEL ENCLOSURE



Ex-Cell with ¼ turn double bit latch & horizontal mounting lugs.



Ex-Cell with ¼ turn slotted latch & vertical mounting lugs.



Ex-Cell with retained bolts & horizontal mounting lugs.



Crouse-Hinds UK are premier manufacturers of high quality and robust enclosure / termination assemblies specifically designed to meet the requirements of the most demanding industrial and hazardous area environmental applications. With over 30 years of experience in the design, engineering and manufacture of enclosures and termination assemblies, Crouse-Hinds provides a proven, tried and tested solution to meet the toughest project and installation requirements.

The “**Ex-Cell**” enclosure range is an “**ATEX**” certified enclosure / termination solution for category 2 (Zone1) application and fully compliant with the impact, thermal and ingress requirements of EN50014, with an ingress protection of 66. “**Ex-Cell**” is available in a comprehensive range of different sizes, each with the facility for various configuration possibilities for a multitude of applications.

Using the highest quality materials, some unique design benefits and precision manufacturing the **Ex-Cell** range is the benchmark in enclosure for both instrumentation and electrical applications.

Materials / Finish	316L (1.4404 to EN 10088) Stainless Steel. 304 (1.4301 to EN 10088) Stainless Steel. Superior “corrosion resistant” electro-chemically polished surface. Sheet Steel - Polyester powder coated to RAL 7032.
Gasket Material	High integrity “one piece” foam in place polyurethane gasket. (Optional Silicone sponge gasket)
Door Fixings	Stainless steel hinges with stainless steel captive door bolts or corrosion resistant Chromium plated Zinc or optional stainless steel ¼ turn fastening latch, two latches fitted on sizes 50cm (20”) high and above. (Double bit /slotted as standard with other key options on request)
Enclosure Mounting	4 x external 3mm welded lugs 11mm Ø holes / slots, vertical or horizontal.
Equipment Mountings	4 x stand off pillars 9mm Ø, 25mm high, tapped M6 x10, for rail / mounting plate.
Gland Plates / Entries	Up to 4 side optional gland plate combinations with entries to meet requirements.
Enclosure Earth	M10 external & internal brass earth stud assembly.
Ingress protection	Certified IP66 to EN60529.
Ambient Temp Range	Polyurethane foam in place gasket -20°C (-4°F) to +60°C (140°F) Silicone sponge gasket -55°C (-48°F) to +60°C (140°F) – Pending.
Impact Resistance	7 J (Nm) to EN 50014.
Certification	ATEX II 2 GD EEx e II T6. (PTB02ATEX1014) GOST-R (Pending) cULus to UL50 / C22.2 no. 94-M91, types 3S, 4X.

TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

METRIC (150 deep)

CCH PART NUMBER		XLH 231513	XLH 262615	XLH 302015	XLH 303015	XLH 403015	XLH 404015	XLH 405015	XLH 504015	XLH 505015	XLH 604015	XLH 605015	XLH 606015
DIMENSIONS OVERALL, mm (HEIGHT X W IDTH X DEPTH) (Imperial Conversion)		229 x 152 x 127 (9" x 6" x 5")	260 x 260 x 152 (10.2" x 10.2" x 6")	305 x 203 x 152 (12" x 8" x 6")	305 x 305 x 152 (12" x 12" x 6")	406 x 305 x 152 (16" x 12" x 6")	406 x 406 x 152 (16" x 16" x 6")	406 x 508 x 152 (16" x 20" x 6")	508 x 406 x 152 (20" x 16" x 6")	508 x 508 x 152 (20" x 20" x 6")	610 x 406 x 152 (24" x 16" x 6")	610 x 508 x 152 (24" x 20" x 6")	610 x 610 x 152 (24" x 24" x 6")
Hoffman Range Equivalent "Concept" - CWS (Type 316L) "Type 4X" - A4S (Type 316L)		---	---	---	C-SD12126SS6 ---	C-SD16126SS6 A-16H1206SS6LP	C-SD16166SS6 A-16H1606SS6LP	---	C-SD20166SS6 A-20H1606SS6LP	C-SD20206SS6 A-20H2006SS6LP	---	---	---
FIXING CENTRES, mm													
	Vertical	152	170	203	203	267	267	267	354	354	445	445	445
	Horizontal	208	316	259	361	361	462	564	462	564	462	564	666
MATERIAL THICKNESS, mm													
	BODY	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	DOOR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
WEIGHT (empty)		kg											
		2.35 kg	2.8 kg	3.4 kg	4.6 kg	5.7 kg	7.1 kg	8.5 kg	8.5 kg	10.2 kg	9.9 kg	11.8 kg	13.7 kg
TERMINAL MOUNTING RAIL													
RAIL FIXING CENTRES, mm													
	VERT	129	160	205	205	306	306	306	408	408	510	510	510
	HORZ	52	160	103	205	205	306	408	306	408	306	408	510
RAIL LENGTH, mm													
	VERT	149	180	225	225	326	326	326	428	428	530	530	530
	HORZ	72	180	123	225	225	326	428	326	428	326	428	530
AVAILABLE GLANDING AREA , mm (with Gland Plates FITTED)													
	TOP & BOTTOM	108 x 58	214 x 80	156 x 80	261 x 80	261 x 80	337 x 80	464 x 80	337 x 80	464 x 80	337 x 80	464 x 80	562 x 80
	LEFT & RIGHT	108 x 58	114 x 80	156 x 80	156 x 80	261 x 80	261 x 80	261 x 80	337 x 80	337 x 80	464 x 80	464 x 80	464 x 80
MAXIMUM ENTRY GUIDE (Metric Glands)													
	TOP & BOTTOM												
	M16	6	21	15	26	26	35	48	35	48	35	48	59
	M20	2	10	7	13	13	17	24	17	24	17	24	29
	M25	2	4	3	5	5	7	10	7	10	7	10	12
	M32	1	3	2	4	4	6	8	6	8	6	8	10
	M40	0	3	2	3	3	5	7	5	7	5	7	8
	M50	0	2	2	3	3	4	6	4	6	4	6	7
	M63	0	0	0	0	0	0	0	0	0	0	0	0
	LEFT / RIGHT												
	M16	6	11	15	15	26	26	26	35	35	48	48	48
	M20	2	5	7	7	13	13	13	17	17	24	24	24
	M25	2	2	3	3	5	5	5	7	7	10	10	10
	M32	1	2	2	2	4	4	4	6	6	8	8	8
	M40	0	1	2	2	3	3	3	5	5	7	7	7
	M50	0	1	2	2	3	3	3	4	4	6	6	6
	M63	0	0	0	0	0	0	0	0	0	0	0	0
TERMINAL CONTENT													
	Terminal Size												
	Orientation in Enclosure												
	2.5 mm2	VERT	1 x 21	2 x 27	1 x 36	2 x 36	2 x 56	3 x 56	4 x 56	3 x 77	4 x 77	3 x 97	4 x 97
	4 mm2	VERT	1 x 17	2 x 23	1 x 30	2 x 30	2 x 47	3 x 47	4 x 47	3 x 64	4 x 64	3 x 81	4 x 81
	6 mm2	VERT	1 x 13	1 x 17	1 x 23	2 x 23	2 x 35	3 x 35	4 x 35	3 x 48	4 x 48	3 x 61	4 x 61
	10 mm2	VERT	1 x 10	1 x 13	1 x 18	2 x 18	2 x 28	3 x 28	4 x 28	3 x 38	4 x 38	3 x 49	4 x 49
	16 mm2	VERT	1 x 9	1 x 11	1 x 15	2 x 15	2 x 23	3 x 23	4 x 23	3 x 32	4 x 32	3 x 40	4 x 40

- NOTES : -
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TECHNICAL DATA SHEET

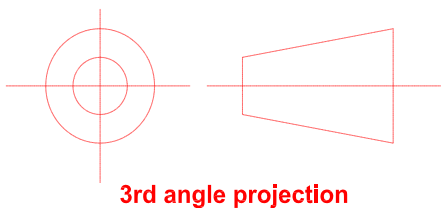
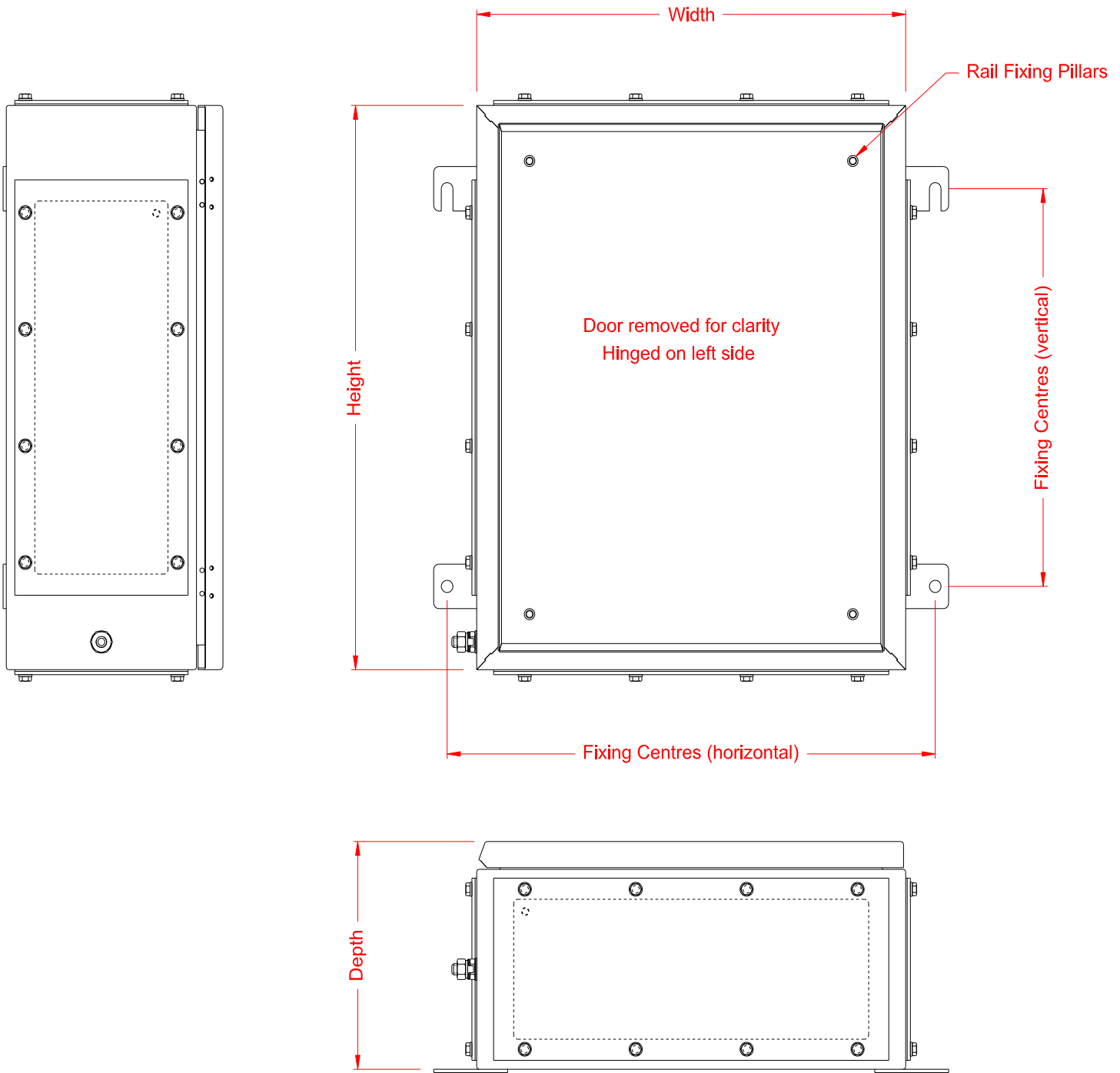
Ex-Cell Range Enclosures

METRIC (200mm deep)

CCH PART NUMBER		XLH 303020	XLH 403020	XLH 404020	XLH 405020	XLH 504020	XLH 505020	XLH 506020	XLH 604020	XLH 605020	XLH 606020	XLH 607620	XLH 765020	XLH 766020	XLH 767620
DIMENSIONS OVERALL, mm	(HEIGHT X W IDTH X DEPTH)	306 x 306 x 203	406 x 305 x 203	406 x 406 x 203	406 x 508 x 203	508 x 406 x 203	508 x 508 x 203	508 x 610 x 203	610 x 406 x 203	610 x 508 x 203	610 x 610 x 203	610 x 762 x 203	762 x 508 x 203	762 x 610 x 203	762 x 762 x 203
	(Imperial Conversion)	(12" x 12" x 8")	(16" x 12" x 8")	(16" x 16" x 8")	(16" x 20" x 8")	(20" x 16" x 8")	(20" x 20" x 8")	(20" x 24" x 8")	(24" x 16" x 8")	(24" x 20" x 8")	(24" x 24" x 8")	(24" x 30" x 8")	(30" x 20" x 8")	(30" x 24" x 8")	(30" x 30" x 8")
Hoffman Range Equivalent "Concept" - CWS (Type 316L) "Type 4X" - A4S (Type 316L)		---	C-SD16128SS6 A-16H1208SS6LP	C-SD16168SS6 ---	C-SD16208SS6 ---	C-SD20168SS6 A-20H1608SS6LP	C-SD20208SS6 A-20H2008SS6LP	---	C-SD24168SS6 A-24H1608SS6LP	C-SD24208SS6 A-24H2008SS6LP	C-SD24248SS6 A-16H2006SS6LP	---	---	C-SD30248SS6 A-30H2408SS6LP	C-SD30308SS6 A-30H3008SS6LP
FIXING CENTRES, mm	Vertical Horizontal	203 361	267 361	267 462	267 564	354 462	354 564	354 666	445 462	445 564	445 666	445 818	508 564	508 666	508 818
MATERIAL THICKNESS, mm	BODY DOOR	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5	1.2 1.5
WEIGHT (empty)	kg	5.8 kg	6.6 kg	8.1 kg	9.7 kg	9.7 kg	11.4 kg	13.2 kg	11.2 kg	13.2 kg	15.3 kg	18.3 kg	15.9 kg	18.3 kg	21.9 kg
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES, mm	VERT HORZ	206 206	306 205	306 306	306 408	408 306	408 408	408 510	510 306	510 408	510 510	510 662	662 408	662 510	662 662
RAIL LENGTH, mm	VERT HORZ	226 226	326 225	326 326	326 428	428 326	428 428	428 530	530 326	530 428	530 530	530 682	530 428	682 428	682 530
AVAILABLE GLANDING AREA , mm (with Gland Plates FITTED)	TOP & BOTTOM LEFT & RIGHT	261 x 124 214 x 124 (L) 261 x 124 (R)	261 x 124	334 x 124 261 x 124	460 x 124 261 x 124	334 x 124 334 x 124	460 x 124 334 x 124	562 x 124 334 x 124	334 x 124 460 x 124	460 x 124 460 x 124	562 x 124 460 x 124	714 x 124 460 x 124	460 x 124 562 x 124	562 x 124 562 x 124	714 x 124 562 x 124
MAXIMUM ENTRY GUIDE (Metric Glands)															
TOP & BOTTOM	M16	34	34	44	62	44	62	78	44	62	78	100	62	78	100
	M20	18	18	26	35	26	35	44	26	35	44	56	35	44	56
	M25	15	15	21	29	21	29	36	21	29	36	47	29	36	47
	M32	8	8	11	15	11	15	19	11	15	19	24	15	19	24
	M40	6	6	9	13	9	13	16	9	13	16	20	13	16	20
	M50	3	3	4	5	4	5	7	4	5	7	9	5	7	9
	M63	2	2	3	4	3	4	5	3	4	5	7	4	5	7
LEFT / RIGHT	M16	28 (L) / 34 (R)	34	34	34	44	44	44	62	62	62	62	78	78	78
	M20	15 (L) / 18 (R)	18	18	18	26	26	26	35	35	35	35	44	44	44
	M25	12 (L) / 15 (R)	15	15	15	21	21	21	29	29	29	29	36	36	36
	M32	6 (L) / 8 (R)	8	8	8	11	11	11	15	15	15	15	19	19	19
	M40	5 (L) / 6 (R)	6	6	6	9	9	9	13	13	13	13	16	16	16
	M50	2 (L) / 3 (R)	3	3	3	4	4	4	5	5	5	5	7	7	7
	M63	2 (L) / 2 (R)	2	2	2	2	3	3	3	4	4	4	4	5	5
TERMINAL CONTENT															
	Terminal Size Orientation in Enclosure														
2.5 mm2	VERT	2 x 36	2 x 56	3 x 56	4 x 56	3 x 77	4 x 77	6 x 77	3 x 97	4 x 97	6 x 97	7 x 97	4 x 128	6 x 128	7 x 128
4 mm2	VERT	2 x 30	2 x 47	3 x 47	4 x 47	3 x 64	4 x 64	6 x 64	3 x 81	4 x 81	6 x 81	7 x 81	4 x 106	6 x 106	7 x 106
6 mm2	VERT	2 x 23	2 x 35	3 x 35	4 x 35	3 x 48	4 x 48	6 x 48	3 x 61	4 x 61	6 x 61	7 x 61	4 x 80	6 x 80	7 x 80
10 mm2	VERT	2 x 18	2 x 28	3 x 28	4 x 28	3 x 38	4 x 38	6 x 38	3 x 49	4 x 49	6 x 49	7 x 49	4 x 64	6 x 64	7 x 64
16 mm2	VERT	2 x 15	2 x 23	3 x 23	4 x 23	3 x 32	4 x 32	6 x 32	3 x 40	4 x 40	6 x 40	7 x 40	4 x 53	6 x 53	7 x 53

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Ex-Cell (XLH) Range Enclosure - General Arrangement



3rd angle projection

TECHNICAL DATA SHEET

Ex-Cell Range Enclosure

IMPERIAL

CCH PART NUMBER		XLV 090605	XLV 120806	XLV 121206	XLV 161206	XLV 161606	XLV 162006	XLV 201606	XLV 202006	XLV 241606	XLV 242006	XLV 242406
DIMENSIONS OVERALL (inches) (HEIGHT X WIDTH X DEPTH)		9" x 6" x 5"	12" x 8" x 6"	12" x 12" x 6"	16" x 12" x 6"	16" x 16" x 6"	16" x 20" x 6"	20" x 16" x 6"	20" x 20" x 6"	24" x 16" x 6"	24" x 20" x 6"	24" x 24" x 6"
Hoffman Range Equivalent "Concept" - CWS (Type 316L) "Type 4X" - A4S (Type 316L)		---	---	C-SD12126SS6 ---	C-SD16126SS6 A-16H1206SS6LP	C-SD16166SS6 A-16H1606SS6LP	---	C-SD20166SS6 A-20H1606SS6LP	C-SD20206SS6 A-20H2006SS6LP	---	---	A-24H2406SS6LP
FIXING CENTRES (inches)	Vertical	10.24	13.24	13.24	17.24	17.24	17.24	21.24	21.24	25.24	25.24	25.24
	Horizontal	3.50	5.50	9.50	9.50	10.00	14.00	10.00	14.00	10.00	14.00	18.00
MATERIAL THICKNESS, swg	BODY	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg	18 swg
	DOOR	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg	16 swg
WEIGHT (empty)	lbs	5.17 lbs	7.54 lbs	10.07 lbs	12.57 lbs	15.63 lbs	18.71 lbs	18.71 lbs	22.36 lbs	21.8 lbs	26.01 lbs	30.22 lbs
TERMINAL MOUNTING RAIL												
RAIL FIXING CENTRES (inches)	VERT	5.08"	8.07"	8.07"	12.05"	12.05"	12.05"	16.06"	16.06"	20.08"	20.08"	20.08"
	HORZ	2.05"	4.06"	8.07"	8.07"	12.05"	12.05"	16.06"	16.06"	12.05"	16.06"	20.08"
RAIL LENGTH (inches)	VERT	5.87"	8.86"	8.86"	12.83"	12.83"	12.83"	16.85"	16.85"	20.87"	20.87"	20.87"
	HORZ	2.83"	4.84"	8.86"	8.86"	12.83"	16.85"	12.83"	16.85"	12.83"	16.85"	20.87"
AVAILABLE GLANDING AREA (inches) (with Gland Plates FITTED)	TOP & BOTTOM	4.25" x 2.28"	6.14" x 3.15"	10.28" x 3.15"	10.28" x 3.15"	13.27" x 3.15"	18.27" x 3.15"	13.27" x 3.15"	18.27" x 3.15"	13.27" x 3.15"	18.27" x 3.15"	22.13" x 3.15"
	LEFT & RIGHT	4.25" x 2.28"	6.14" x 3.15"	6.14" x 3.15"	10.28" x 3.15"	10.28" x 3.15"	10.28" x 3.15"	13.27" x 3.15"	13.27" x 3.15"	13.27" x 3.15"	18.27" x 3.15"	18.27" x 3.15"
MAXIMUM ENTRY GUIDE	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub
	1/2" NPT	6 / 2	9 / 3	16 / 12	16 / 12	21 / 15	30 / 22	21 / 15	30 / 22	21 / 15	30 / 22	36 / 27
	3/4" NPT	2 / 2	7 / 3	13 / 5	13 / 5	17 / 7	24 / 10	17 / 7	24 / 10	17 / 7	24 / 10	29 / 12
	1" NPT	2 / 2	3 / 2	5 / 4	5 / 4	7 / 6	10 / 8	7 / 6	10 / 8	7 / 6	10 / 8	12 / 10
TOP & BOTTOM	1 1/4" NPT	1 / 0	2 / 0	4 / 4	4 / 4	6 / 5	8 / 7	6 / 5	8 / 7	6 / 5	8 / 7	10 / 8
	1 1/2" NPT	0 / 0	2 / 0	3 / 3	3 / 3	5 / 4	7 / 6	5 / 4	7 / 6	5 / 4	7 / 6	8 / 7
	2" NPT	0 / 0	2 / 0	3 / 0	3 / 0	4 / 0	6 / 0	4 / 0	6 / 0	4 / 0	6 / 0	7 / 0
	2 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
	1/2" NPT	6 / 2	9 / 3	9 / 3	16 / 12	16 / 12	16 / 12	21 / 15	21 / 15	30 / 22	30 / 22	30 / 22
	3/4" NPT	2 / 2	7 / 3	7 / 3	13 / 5	13 / 5	13 / 5	17 / 7	17 / 7	24 / 10	24 / 10	24 / 10
LEFT / RIGHT	1" NPT	2 / 2	3 / 2	3 / 2	5 / 4	5 / 4	5 / 4	7 / 6	7 / 6	10 / 8	10 / 8	10 / 8
	1 1/4" NPT	1 / 0	2 / 0	2 / 0	4 / 4	4 / 4	4 / 4	6 / 5	6 / 5	8 / 7	8 / 7	8 / 7
	1 1/2" NPT	0 / 0	2 / 0	2 / 0	3 / 3	3 / 3	3 / 3	5 / 4	5 / 4	7 / 6	7 / 6	7 / 6
	2" NPT	0 / 0	2 / 0	2 / 0	3 / 0	3 / 0	3 / 0	4 / 0	4 / 0	6 / 0	6 / 0	6 / 0
	2 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
TERMINAL CONTENT												
	Terminal Size Orientation in Enclosure											
	2.5 mm2 VERT	1 x 21	1 x 36	2 x 36	2 x 56	3 x 56	4 x 56	3 x 77	4 x 77	3 x 97	4 x 97	6 x 97
	4 mm2 VERT	1 x 17	1 x 30	2 x 30	2 x 47	3 x 47	4 x 47	3 x 64	4 x 64	3 x 81	4 x 81	6 x 81
	6 mm2 VERT	1 x 13	1 x 23	2 x 23	2 x 35	3 x 35	4 x 35	3 x 48	4 x 48	3 x 61	4 x 61	6 x 61
	10 mm2 VERT	1 x 10	1 x 18	2 x 18	2 x 28	3 x 28	4 x 28	3 x 38	4 x 38	3 x 49	4 x 49	6 x 49
	16 mm2 VERT	1 x 9	1 x 15	2 x 15	2 x 23	3 x 23	4 x 23	3 x 32	4 x 32	3 x 40	4 x 40	6 x 40

- NOTES : -
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 - This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

TECHNICAL DATA SHEET

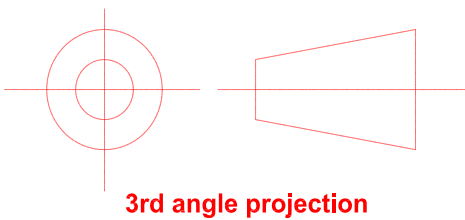
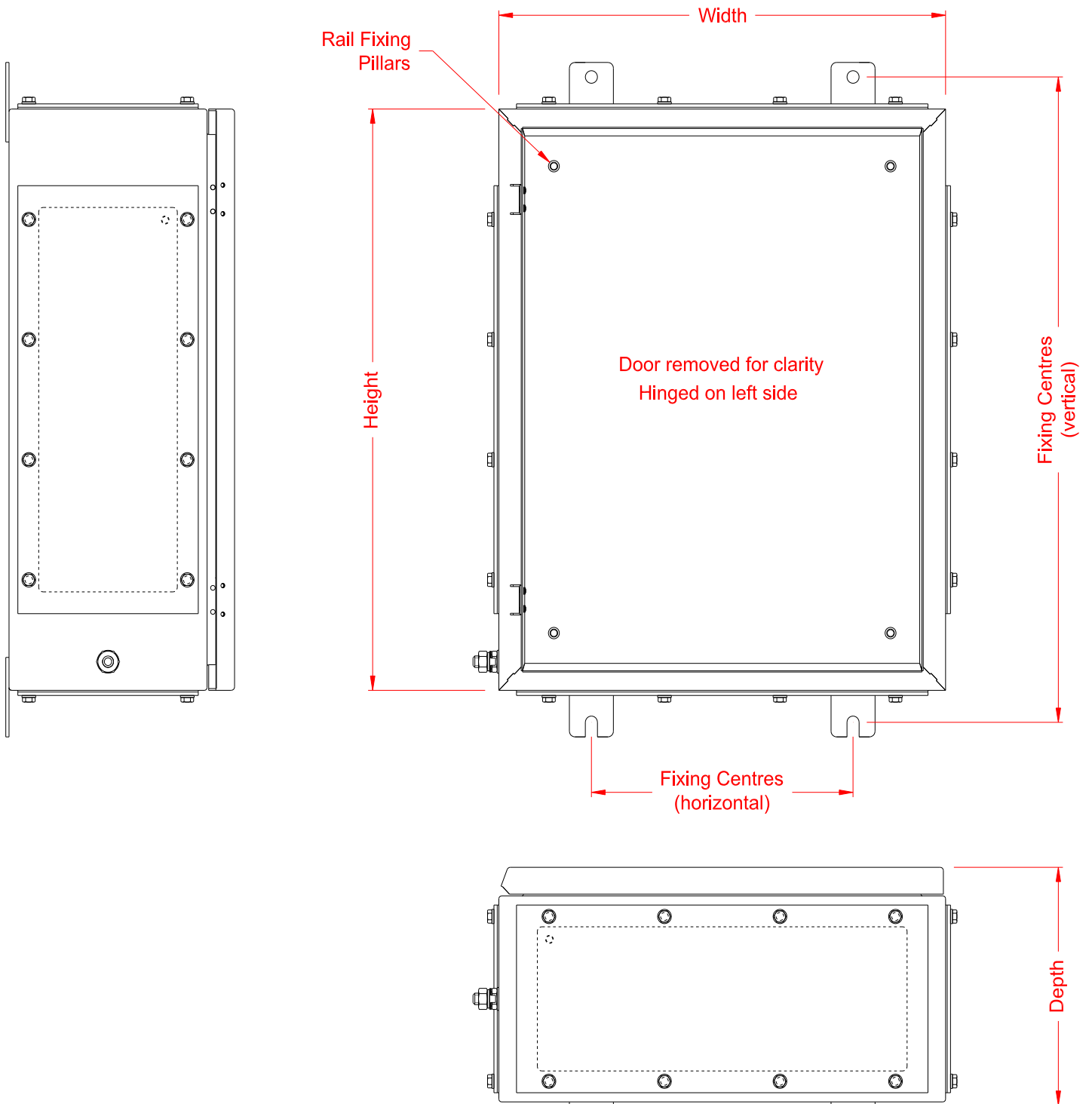
Ex-Cell Range Enclosures

IMPERIAL (DEEP)

CCH PART NUMBER	XLV 121208	XLV 161208	XLV 161608	XLV 162008	XLV 201608	XLV 202008	XLV 202408	XLV 241608	XLV 242008	XLV 242408	XLV 243008	XLV 302008	XLV 302408	XLV 303008	
DIMENSIONS OVERALL (inches) (HEIGHT X WIDTH X DEPTH)	12" x 12" x 8"	16" x 12" x 8"	16" x 16" x 8"	16" x 20" x 8"	20" x 16" x 8"	20" x 20" x 8"	20" x 24" x 8"	24" x 16" x 8"	24" x 20" x 8"	24" x 24" x 8"	24" x 30" x 8"	30" x 20" x 8"	30" x 24" x 8"	30" x 30" x 8"	
Hoffman Range Equivalent "Concept" - CWS (Type 316L) "Type 4X" - A4S (Type 316L)	C-SD12126SS6 ---	C-SD16128SS6 A-16H1208SS6LP	C-SD16168SS6 ---	C-SD16208SS6 ---	C-SD20168SS6 A-20H1608SS6LP	C-SD20208SS6 A-20H2008SS6LP	---	C-SD24168SS6 A-24H1608SS6LP	C-SD24208SS6 A-24H2008SS6LP	C-SD24248SS6 A-16H2408SS6LP	---	A-30H2008SS6LP	C-SD30248SS6 A-30H2408SS6LP	C-SD30308SS6 A-30H3008SS6LP	
FIXING CENTRES (inches)	Vertical Horizontal	13.24 9.50	17.24 9.50	17.24 10.00	17.24 14.00	21.24 10.00	21.24 14.00	21.24 18.00	25.24 10.00	25.24 14.00	25.24 18.00	25.24 24.00	31.24 14.00	31.24 18.00	31.24 24.00
MATERIAL THICKNESS, swg	BODY DOOR	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg	18 swg 16 swg
WEIGHT (empty)	lbs	12.76 lbs	14.54 lbs	17.87 lbs	21.24 lbs	21.24 lbs	25.17 lbs	29.1 lbs	24.61 lbs	29.1 lbs	33.6 lbs	40.3 lbs	34.96 lbs	48.25 lbs	
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES (inches)	VERT HORZ	8.11" 8.11"	12.05" 8.07"	12.05" 12.05"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"	12.05" 16.06"
RAIL LENGTH (inches)	VERT HORZ	8.90" 8.90"	12.83" 8.86"	12.83" 12.83"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"	12.83" 16.85"
AVAILABLE GLANDING AREA (inches) (with Gland Plates FITTED)	TOP & BOTTOM LEFT & RIGHT	10.27" x 4.88" 8.42" x 4.88" (L) 10.27" x 4.88" (R)	10.27" x 4.88"	13.15" x 4.88"	18.11" x 4.88"	13.15" x 4.88"	18.11" x 4.88"	22.13" x 4.88"	13.15" x 4.88"	18.11" x 4.88"	22.13" x 4.88"	28.11" x 4.88"	18.11" x 4.88"	22.13" x 4.88"	28.11" x 4.88"
MAXIMUM ENTRY GUIDE	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub
	1/2" NPT	32 / 18	32 / 18	42 / 23	58 / 33	42 / 23	58 / 33	72 / 41	42 / 23	58 / 33	72 / 41	94 / 51	58 / 33	72 / 41	94 / 51
	3/4" NPT	20 / 10	20 / 10	26 / 13	36 / 18	26 / 13	36 / 18	44 / 23	26 / 13	36 / 18	44 / 23	57 / 30	36 / 18	44 / 23	57 / 30
	1" NPT	15 / 8	15 / 8	21 / 11	30 / 16	21 / 11	30 / 16	36 / 19	21 / 11	30 / 16	36 / 19	47 / 25	30 / 16	36 / 19	47 / 25
	1 1/4" NPT	8 / 7	8 / 7	11 / 9	15 / 13	11 / 9	15 / 13	19 / 16	11 / 9	15 / 13	19 / 16	24 / 21	15 / 13	19 / 16	24 / 21
	1 1/2" NPT	6 / 3	6 / 3	9 / 4	13 / 6	9 / 4	13 / 6	16 / 7	9 / 4	13 / 6	16 / 7	20 / 9	13 / 6	16 / 7	20 / 9
	2" NPT	3 / 3	3 / 3	4 / 3	5 / 5	4 / 3	5 / 5	7 / 6	4 / 3	5 / 5	7 / 6	9 / 8	5 / 5	7 / 6	9 / 8
	2 1/2" NPT	2 / 2	2 / 2	3 / 3	4 / 4	3 / 3	4 / 4	5 / 5	3 / 3	4 / 4	5 / 5	7 / 7	4 / 4	5 / 5	7 / 7
	Left - Right														
	1/2" NPT	26 / 14 - 32 / 18	32 / 18	32 / 18	42 / 23	42 / 23	42 / 23	58 / 33	58 / 33	58 / 33	58 / 33	72 / 41	72 / 41	72 / 41	94 / 51
	3/4" NPT	15 / 8 - 20 / 10	20 / 10	20 / 10	26 / 13	26 / 13	26 / 13	36 / 18	36 / 18	36 / 18	36 / 18	44 / 23	44 / 23	44 / 23	57 / 30
	1" NPT	12 / 6 - 15 / 8	15 / 8	15 / 8	21 / 11	21 / 11	21 / 11	30 / 16	30 / 16	30 / 16	30 / 16	36 / 19	36 / 19	36 / 19	47 / 25
	1 1/4" NPT	6 / 5 - 8 / 7	8 / 7	8 / 7	11 / 9	11 / 9	11 / 9	15 / 13	15 / 13	15 / 13	15 / 13	19 / 16	19 / 16	19 / 16	24 / 21
	1 1/2" NPT	5 / 2 - 6 / 3	6 / 3	6 / 3	9 / 4	9 / 4	9 / 4	13 / 6	13 / 6	13 / 6	13 / 6	16 / 7	16 / 7	16 / 7	20 / 9
	2" NPT	2 / 2 - 3 / 3	3 / 3	3 / 3	4 / 3	4 / 3	4 / 3	5 / 5	5 / 5	5 / 5	5 / 5	7 / 6	7 / 6	7 / 6	9 / 8
	2 1/2" NPT	2 / 2 - 2 / 2	2 / 2	2 / 2	3 / 3	3 / 3	3 / 3	4 / 4	4 / 4	4 / 4	4 / 4	5 / 5	5 / 5	5 / 5	7 / 7
TERMINAL CONTENT															
Terminal Size Orientation in Enclosure															
2.5 mm2 VERT	2 x 36	2 x 56	3 x 56	4 x 56	3 x 77	4 x 77	6 x 77	3 x 97	4 x 97	6 x 97	7 x 97	4 x 128	6 x 128	7 x 128	
4 mm2 VERT	2 x 30	2 x 47	3 x 47	4 x 47	3 x 64	4 x 64	6 x 64	3 x 81	4 x 81	6 x 81	7 x 81	4 x 106	6 x 106	7 x 106	
6 mm2 VERT	2 x 23	2 x 35	3 x 35	4 x 35	3 x 48	4 x 48	6 x 48	3 x 61	4 x 61	6 x 61	7 x 61	4 x 80	6 x 80	7 x 80	
10 mm2 VERT	2 x 18	2 x 28	3 x 28	4 x 28	3 x 38	4 x 38	6 x 38	3 x 49	4 x 49	6 x 49	7 x 49	4 x 64	6 x 64	7 x 64	
16 mm2 VERT	2 x 15	2 x 23	3 x 23	4 x 23	3 x 32	4 x 32	6 x 32	3 x 40	4 x 40	6 x 40	7 x 40	4 x 53	6 x 53	7 x 53	

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Ex-Cell (XLV) Range Enclosure - General Arrangement



COOPER Crouse-Hinds

STB



STEEL ENCLOSURE RANGE



The **STB** range is an “ATEX certified” enclosure / termination solution available in various options of materials and finishes fully compliant with the impact, thermal and ingress requirements of EN50014, and is available in a comprehensive range of 12 different sizes. With for the possibilities many configuration for a multitude of applications.

Using the highest quality materials, unique design benefits and precision manufacturing the **STB** range is the benchmark in heavy-duty gauge enclosures of its class.

Material / Finish Options

316L Stainless Steel (1.4404 to EN 10088)

Superior “corrosion resistant” electro chemically polished.

Sheet Steel - Polyester powder coated to RAL 7032.

Gasket Material

STB 121208 – 252512 High integrity “one piece” solid chloroprene rubber.

STB 163812 – 604022 High integrity “one piece” closed cell chloroprene sponge.

Optional Silicone gasket available on all sizes.

Lid Fixing

4 x M6 slotted hex head captive screws.

Enclosure Mounting

STB 121208 - 252512 = 2 x external welded lugs x 8mm Ø holes.

STB 163812 - 254013 = 4 x external welded lugs x 8mm Ø holes.

STB 383822 - 604022 = 4 x external welded lugs x 11mm Ø holes.

Equipment Mountings

STB 121208 – 254013 internally welded TAS 20 rail for terminal mounting.

STB 383822 – 604022 = 4 x stand off pillars 9mm Ø, 25mm high, tapped M6.

Enclosure Entries

Optional to meet clients requirements.

Enclosure Earthing

M6 internal / external earth stud assembly, M10 for STB383822-604022.

Ingress protection

IP66 to EN 60529

Operating Temp Range

Chloroprene solid rubber gasket -30°C (-22°F) to +95°C (203°F)

Chloroprene closed cell sponge gasket -45°C (-49°F) to +85°C (185°F)

Silicone closed cell sponge gasket -65°C (-85°F) to +135°C (275°F)

Ambient Temp Range

Chloroprene solid rubber gasket -30°C (-22°F) to +40°C (104°F) T6.

-30°C (-22°F) to +55°C (131°F) T5.

Chloroprene closed cell sponge gasket -45°C (-49°F) to +40°C (104°F) T6.

-45°C (-49°F) to +55°C (131°F) T5.

Silicone closed cell sponge gasket -65°C (-85°F) to +40°C (104°F) for T6.

-65°C (-85°F) to +55°C (131°F) for T5.

Impact Resistance

7 J (Nm) to EN 50014.

Certification

ATEX II 2GD EEx e II T6 or T5. (KEMA99ATEX7894X)

GOST-R.

cULus to UL50 / C22.2, no. 94-M91 types 3S, 4, 4X.

Germanischer Lloyd (GL).

STB ENCLOSURE TECHNICAL DATA

REV. 0205

ENCLOSURE DIMENTIONS (HEIGHT X WIDTH X DEPTH)	120 x 120 x 80	150 x 120 x 80	150 x 150 x 90	190 x 150 x 90	190 x 190 x 100	250 x 250 x 120	160 x 380 x 120	250 x 400 x 130	380 x 380 x 220	380 x 380 x 220	400 x 600 x 220	400 x 600 x 220	600 x 400 x 220	600 x 400 x 220	
ENCLOSURE FIXING CENTRES (Vert x Horiz)	145	175	175	175	215	275	80 x 405	150 x 425	250 x 435	250 x 435	264 x 656	264 x 656	464 x 456	464 x 456	
CCH Part No.	STB121208	STB151208	STB151509	STB191509	STB191910	STB252512	STB163812	STB254013	STB3838220	STB3838223	STB4060220	STB4060223	STB6040220	STB6040223	
WEIDMULLER CROSS REFERENCE	STB 1	STB 1-1	STB 2	STB 2-1	STB 3	STB 4	STB 5	STB 6	STB 7	STB 7	STB 8	STB 8	STB 9	STB 9	
0, 1 or 3 Gland Plated Version	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	3 GP	0 GP	3 GP	0 GP	3 GP	
MATERIAL THICKNESS	BODY LID	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	1.5 1.5	
WEIGHT in Kg (Empty)	1.4	1.6	1.9	2.3	3.0	3.7	3.7	5.4	8.5	11.8	13.0	16.5	13.0	16.5	
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES	VERT	62	90	90	130	130	180	300	180	280	280	300	300	500	500
OVERALL RAIL LENGTH	VERT	82	110	110	150	150	200	320	200	300	300	320	320	520	520
AVAILABLE GLANDING AREA	TOP & BOTTOM LEFT RIGHT	114 x 63 114 x 63 70 x 63	114 x 63 144 x 63 100 x 63	144 x 73 144 x 73 100 x 73	144 x 73 184 x 73 130 x 73	184 x 83 184 x 83 140 x 83	244 x 103 244 x 103 200 x 103	372 x 103 154 x 103 330 x 103	394 x 113 244 x 113 350 x 113	374 x 203 374 x 203 324 x 203	337 x 124 337 x 124 261 x 124	594 x 203 394 x 203 344 x 203	504 x 124 337 x 124 304 x 124	394 x 203 594 x 203 544 x 203	337 x 124 337 x 124 337 x 124
MAXIMUM ENTRIES															
TOP & BOTTOM	M16	7	7	9	9	18	32	50	54	100	46	164	70	108	46
	M20	3	3	6	6	8	18	29	30	26	93	39	60	26	
	M25	2	2	3	3	7	10	15	16	21	65	32	40	21	
	M32	2	2	2	2	3	7	12	13	24	11	40	17	26	11
	M40	0	0	2	2	2	3	5	6	15	9	26	14	17	9
	M50	0	0	0	0	2	3	4	5	8	4	14	6	9	4
	M63	0	0	0	0	0	2	3	4	6	3	11	5	7	3
LEFT	M16	7	9	9	12	18	32	20	32	100	46	108	46	164	46
	M20	3	3	6	8	8	18	11	18	57	26	60	26	93	26
	M25	2	3	3	4	7	10	6	10	40	21	40	21	65	21
	M32	2	2	2	3	3	7	4	7	24	11	26	11	40	11
	M40	0	0	2	2	2	3	2	3	15	9	17	9	26	9
	M50	0	0	0	0	2	3	1	3	8	4	9	4	14	4
	M63	0	0	0	0	0	2	1	2	6	3	7	3	11	3
RIGHT	M16	4	6	6	8	14	26	44	48	88	34	92	40	152	46
	M20	1	2	4	6	6	14	24	26	48	20	51	23	84	26
	M25	1	2	2	2	5	8	14	14	33	15	35	18	60	21
	M32	1	1	1	2	2	6	10	11	20	8	22	10	38	11
	M40	0	0	1	1	2	3	5	5	12	6	14	8	23	9
	M50	0	0	0	0	1	2	4	4	7	3	7	3	13	4
	M63	0	0	0	0	0	2	3	3	5	2	6	3	10	3
TERMINAL CONTENT															
Terminal Type (thickness)	Terminal Rail Orientation														
2.5mm sq. (6mm wide)	VERT	1 x 8	1 x 13	1 x 13	1 x 21	1 x 21	2 x 31	1 x 55 (Horiz. Row)	3 x 31	3 x 42	3 x 42	3 x 46	3 x 46	5 x 79	5 x 79
4mm sq. (6.5mm wide)	VERT	1 x 6	1 x 11	1 x 11	1 x 18	1 x 18	2 x 36	1 x 46 (Horiz. Row)	3 x 36	3 x 39	3 x 39	3 x 42	3 x 42	5 x 73	5 x 73
6mm sq. (8mm wide)	VERT	1 x 5	1 x 8	1 x 8	1 x 13	1 x 13	2 x 19	1 x 34 (Horiz. Row)	3 x 19	3 x 32	3 x 32	3 x 34	3 x 34	5 x 59	5 x 59
10mm sq. (10mm wide)	VERT	1 x 4	1 x 7	1 x 7	1 x 10	1 x 10	2 x 15	1 x 28 (Horiz. Row)	3 x 15	3 x 25	3 x 25	3 x 27	3 x 27	5 x 47	5 x 47

NOTES :-

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STB ENCLOSURE TECHNICAL DATA
(Imperial)

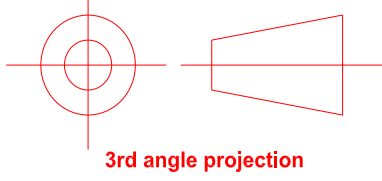
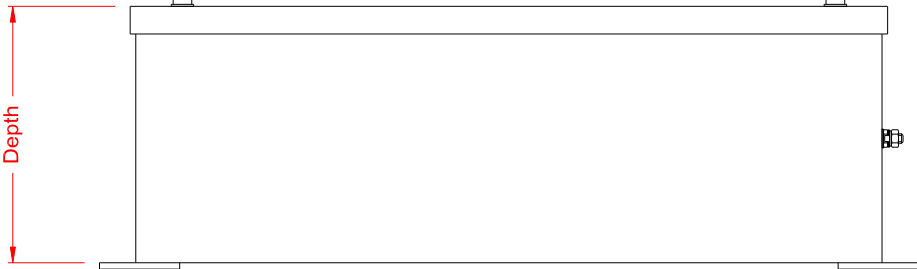
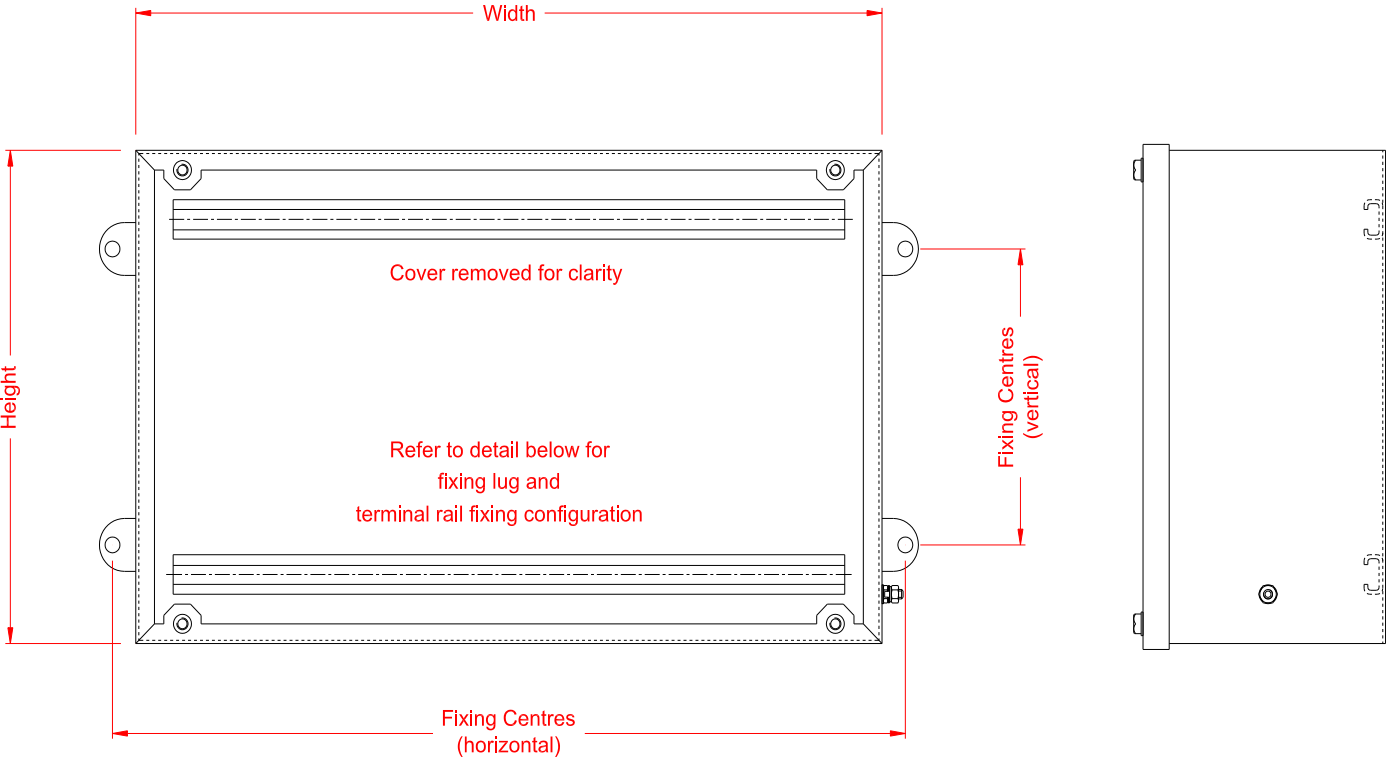
REV. 0205

ALL DIMENSIONS in INCHES (HEIGHT X WIDTH X DEPTH)	4.72 x 4.72 x 3.15	5.91 x 4.72 x 3.15	5.91 x 5.91 x 3.54	7.48 x 5.91 x 3.54	7.48 x 7.48 x 3.94	9.84 x 9.84 x 4.72	6.3 x 14.96 x 4.72	9.84 x 15.75 x 5.12	14.96 x 14.96 x 8.66	14.96 x 14.96 x 8.66	15.75 x 23.62 x 8.66	15.75 x 23.62 x 8.66	23.62 x 15.75 x 8.66	23.62 x 15.75 x 8.66		
ENCLOSURE FIXING CENTRES (Vert x Horiz)	5.71	6.89	6.89	6.89	8.46	10.83	3.15 x 15.94	5.91 x 16.73	9.84 x 17.13	9.84 x 17.13	10.39 x 25.83	10.39 x 25.83	18.27 x 17.95	18.27 x 17.95		
CCH Part No.	STB121208	STB151208	STB151509	STB191509	STB191910	STB252512	STB163812	STB254013	STB3838220	STB3838223	STB4060220	STB4060223	STB6040220	STB6040223		
WEIDMULLER CROSS REFERENCE	STB 1	STB 1-1	STB 2	STB 2-1	STB 3	STB 4	STB 5	STB 6	STB 7	STB 7	STB 8	STB 8	STB 9	STB 9		
0, 1 or 3 Gland Plated Version	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	0 GP	3 GP	0 GP	3 GP	0 GP	3 GP		
MATERIAL THICKNESS in mm																
BODY	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
LID	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
WEIGHT in Lbs (Empty)	3.08	3.52	4.18	5.06	6.60	8.14	8.14	11.88	18.70	25.96	28.60	36.30	28.60	36.30		
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES	VERT 2.44	3.54	3.54	5.12	5.12	7.09	11.81 (Horiz. CRS)	7.09	11.02	11.02	11.81	11.81	19.69	19.69		
OVERALL RAIL LENGTH	VERT 3.23	4.33	4.33	5.91	5.91	7.87	12.60	7.87	11.81	11.81	12.60	12.60	20.47	20.47		
AVAILABLE GLANDING AREA																
TOP & BOTTOM	4.49 x 2.48	4.49 x 2.48	5.67 x 2.87	5.67 x 2.87	7.24 x 3.27	9.61 x 4.06	14.65 x 4.06	15.51 x 4.45	14.72 x 7.99	13.27 x 4.88	23.39 x 7.99	19.84 x 4.88	15.51 x 7.99	13.27 x 4.88		
LEFT	4.49 x 2.48	5.67 x 2.48	5.67 x 2.87	7.24 x 2.87	7.24 x 3.27	9.61 x 4.06	6.06 x 4.06	9.61 x 4.45	14.72 x 7.99	13.27 x 4.88	15.51 x 7.99	19.84 x 4.88	23.39 x 7.99	13.27 x 4.88		
RIGHT	2.76 x 2.48	3.94 x 2.48	3.94 x 2.87	5.12 x 2.87	5.51 x 3.27	7.87 x 4.06	12.99 x 4.06	13.78 x 4.45	12.76 x 7.99	10.28 x 4.88	13.54 x 7.99	11.97 x 4.88	21.42 x 7.99	13.27 x 4.88		
MAXIMUM ENTRIES	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub	gland / hub		
TOP & BOTTOM	1/2" NPT 3/4" NPT 1" NPT 1 1/4" NPT 1 1/2" NPT 2" NPT 2 1/2" NPT	6 / 2 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0 0 / 0	6 / 2 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0 0 / 0	8 / 3 6 / 3 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0	8 / 3 6 / 3 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0	17 / 8 9 / 3 7 / 3 3 / 2 2 / 2 3 / 3 2 / 2	23 / 11 18 / 9 10 / 8 7 / 3 3 / 2 3 / 3 3 / 2	36 / 17 29 / 15 16 / 12 12 / 5 5 / 5 4 / 4 3 / 3	50 / 27 30 / 16 17 / 13 13 / 6 6 / 5 5 / 4 2 / 2	84 / 43 57 / 30 40 / 24 24 / 15 15 / 14 8 / 7 3 / 2	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 4 / 3 3 / 3	137 / 70 93 / 48 65 / 42 40 / 26 26 / 23 14 / 12 11 / 11	64 / 36 39 / 20 33 / 17 17 / 14 14 / 6 9 / 8 7 / 7	88 / 45 60 / 32 43 / 26 26 / 17 17 / 14 9 / 8 3 / 3	123 / 70 93 / 48 65 / 42 40 / 26 26 / 23 14 / 12 11 / 11	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 4 / 3 3 / 3
LEFT	1/2" NPT 3/4" NPT 1" NPT 1 1/4" NPT 1 1/2" NPT 2" NPT 2 1/2" NPT	6 / 2 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0 0 / 0	8 / 3 3 / 3 3 / 2 2 / 0 0 / 0 0 / 0 0 / 0	8 / 3 6 / 3 3 / 2 2 / 2 2 / 0 0 / 0 0 / 0	11 / 4 9 / 3 4 / 3 3 / 2 2 / 2 3 / 3 3 / 2	17 / 8 18 / 9 10 / 8 7 / 3 3 / 2 3 / 3 3 / 2	23 / 11 18 / 9 10 / 8 6 / 4 7 / 3 2 / 2 1 / 1	14 / 6 11 / 5 10 / 8 4 / 2 7 / 3 2 / 2 3 / 2	30 / 17 18 / 9 40 / 24 24 / 15 15 / 14 8 / 7 3 / 2	84 / 43 57 / 30 40 / 24 21 / 11 11 / 9 9 / 4 4 / 3	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 9 / 8 3 / 3	88 / 45 60 / 32 43 / 26 26 / 17 17 / 14 9 / 8 7 / 7	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 4 / 3 3 / 3	137 / 70 93 / 48 65 / 42 40 / 26 26 / 23 14 / 12 11 / 11	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 4 / 3 3 / 3	
RIGHT	1/2" NPT 3/4" NPT 1" NPT 1 1/4" NPT 1 1/2" NPT 2" NPT 2 1/2" NPT	3 / 1 1 / 1 1 / 1 1 / 0 0 / 0 0 / 0 0 / 0	5 / 2 2 / 2 2 / 1 1 / 0 0 / 0 0 / 0 0 / 0	5 / 2 4 / 2 2 / 2 1 / 1 1 / 0 0 / 0 0 / 0	7 / 3 6 / 2 5 / 2 2 / 2 2 / 1 1 / 0 0 / 0	12 / 6 6 / 3 5 / 2 2 / 2 3 / 2 2 / 2 2 / 2	18 / 9 14 / 7 8 / 6 6 / 3 9 / 5 11 / 5 4 / 4	29 / 15 23 / 13 12 / 11 9 / 5 11 / 5 4 / 4 3 / 3	44 / 24 27 / 14 15 / 11 11 / 5 11 / 5 5 / 4 4 / 4	70 / 38 48 / 26 33 / 22 20 / 14 8 / 7 12 / 11 7 / 6	32 / 18 20 / 10 15 / 8 8 / 7 6 / 3 3 / 3 2 / 2	77 / 40 51 / 26 35 / 22 22 / 14 10 / 8 14 / 12 7 / 7	38 / 21 23 / 12 18 / 10 10 / 8 8 / 4 3 / 3 6 / 5	123 / 65 84 / 44 58 / 38 36 / 24 23 / 20 13 / 11 10 / 10	42 / 23 26 / 13 21 / 11 11 / 9 9 / 4 4 / 3 3 / 3	
TERMINAL CONTENT																
Terminal Type (thickness)																
Terminal Rail Orientation																
2.5mm sq. (6mm wide)	VERT 1 x 8	1 x 13	1 x 13	1 x 21	1 x 21	2 x 31	1 x 55 (Horiz. Row)	3 x 31	3 x 42	3 x 42	3 x 46	3 x 46	5 x 79	5 x 79		
4mm sq. (6.5mm wide)	VERT 1 x 6	1 x 11	1 x 11	1 x 18	1 x 18	2 x 36	1 x 46 (Horiz. Row)	3 x 36	3 x 39	3 x 39	3 x 42	3 x 42	5 x 73	5 x 73		
6mm sq. (8mm wide)	VERT 1 x 5	1 x 8	1 x 8	1 x 13	1 x 13	2 x 19	1 x 34 (Horiz. Row)	3 x 19	3 x 32	3 x 32	3 x 34	3 x 34	5 x 59	5 x 59		
10mm sq. (10mm wide)	VERT 1 x 4	1 x 7	1 x 7	1 x 10	1 x 10	2 x 15	1 x 28 (Horiz. Row)	3 x 15	3 x 25	3 x 25	3 x 27	3 x 27	5 x 47	5 x 47		

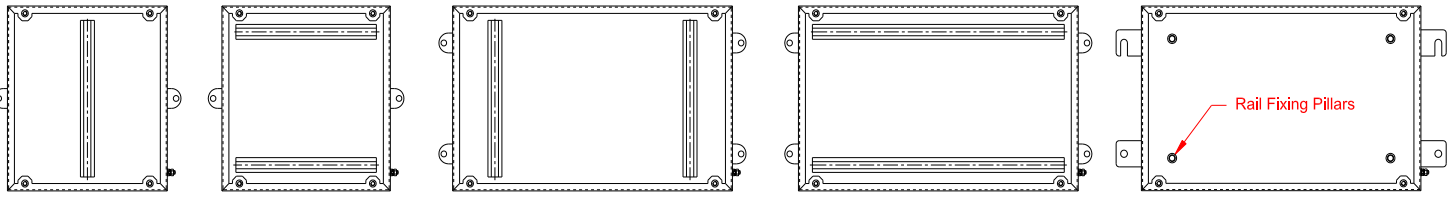
NOTES :-

- The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
- This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

STB Range Enclosure - General Arrangement



Fixing Lug and Rail / Pillar Configuration (not to scale)



STB 121208 -191910
(STB 1 - 3)

STB 252512
(STB 4)

STB 163812
(STB 5)

STB 254013
(STB 6)

STB 383822 - 406022
(STB 7 - 9)

Gland Plate Options Available

COOPER Crouse-Hinds

HVB



HIGH VOLTAGE TERMINATION ENCLOSURE



The **HVB** range is an “ATEX certified” enclosure / termination solution fully compliant with the impact, thermal and ingress requirements of EN50014, and is available in a comprehensive range of three different sizes in 3 or 4 pole options for a multitude of high voltage termination applications such as high voltage down-hole pumps & motors.

Using the highest quality materials, unique design benefits and precision manufacturing the **HVB** range is the benchmark in standard gauge steel enclosures of its class.

Material / Finish Options	316L Stainless Steel (1.4404 to EN 10088) Superior electro chemically polished. Sheet Steel - Polyester powder coated to RAL 7032.
Gasket Material	High integrity closed cell chloroprene.
Lid Fixing	Detachable, hinged door with 4 or 6 x M6 captive hex screws & padlock hasp. Complete with transparent IP20 terminal safety cover with nylon fixings.
Box Mounting	4 x external welded lugs, 11mm Ø holes / slots.
Gland Plate / Entries	3mm thick top / bottom gland plates drilled as required.
Terminations	3 or 4 pole assemblies suitable for up to 30mm wide cable lugs and M12 lug fixings.
Voltage Ratings	6.6kV at 50Hz. AC, 3 phase (earthed or unearthed supply systems)
Enclosure Earthing	M10 internal / external brass earth stud assembly & M14 for 150mm ² phase conductor.
Ingress protection	IP66 to IEC 529.
Temperature Range	-20°C (-4°F) to +40°C (104°F) ambient.
Impact Resistance	7 J (Nm) to EN 50014.
Certification	ATEX II 2 G EExe II T4. – 200A / T5 – 180A / T6 – 160A. (BASEEFA03ATEX0052X)
Applications	ATEX Category 2 (Zone 1) & Industrial IP66.

HVB ENCLOSURE TECHNICAL DATA

REV 0305

DIMENSIONS IN MM (HEIGHT X WIDTH X DEPTH)		458 x 382 x 200	762 x 508 x 200	914 x 610 x 200	914 x 610 x 200
FIXING CENTRES (Vert. x Horiz.)		305 x 407	508 x 534	559 x 636	559 x 636
CCH PART REFERENCE		HVB463820 (3-pole)	HVB765120 (3-pole)	HVB916120 (3-pole)	HVB916120 (4-pole)
WEIDMULLER CROSS REFERENCE		I	II	III - 3 pole	III - 4 pole
MATERIAL THICKNESS					
	BODY	1.5	2.0	2.0	2.0
	LID	1.5	2.0	2.0	2.0
WEIGHT (EMPTY ENCLOSURE)	kg	23.75	37.00	45.00	47.00
MAXIMUM RATINGS					
VOLTAGE (kV)		6.6	6.6	6.6	6.6
CURRENT (A)	T4	200	200	200	200
	T5	180	180	180	180
	T6	160	160	160	160
Ratings based on an ambient temp temperature of 40 Degrees Centigrade.					
MAXIMUM CABLE SIZE					
Maximum lug width	mm	30	30	30	30
Maximum cable size	sq.mm	150	150	150	150
	kcmil (MCM)	300	300	300	300
MAXIMUM WIRING SPACE (Distance between entries)	mm	180	335	410	410
AVAILABLE GLANDING AREA TOP & BOTTOM		337 x 108	464 x 108	566 x 108	566 x 108
MAXIMUM No. of ENTRIES TOP & BOTTOM	M40	6	8	8	8
	M50	4	6	7	7
	M63	3	4	5	5
	M75	3	4	4	4
The ratings below relate to all four HVB sizes					
CURRENT RATINGS	Cable Size (sq.mm)	Current (A)			
		T6	T5	T4	
	16	47	68	75	
	25	62	89	98	
	35	75	110	122	
	50	89	133	147	
	70	160	180	200	
CURRENT RATINGS	Cable Size (AWG)	Current (A)			
		T6	T5	T4	
	6	42	59	65	
	4	55	80	88	
	3	64	92	102	
	2	73	107	118	
	1	81	121	134	
	1/0	101	141	156	
	2/0	150	173	192	
	3/0	160	180	200	

HVB ENCLOSURE TECHNICAL DATA

(Imperial)

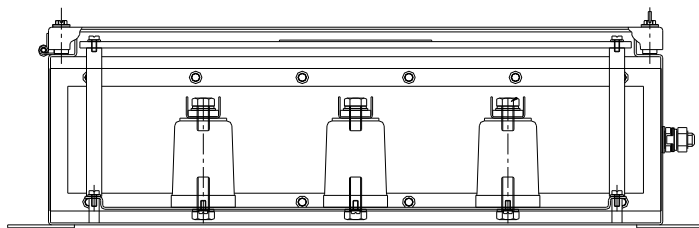
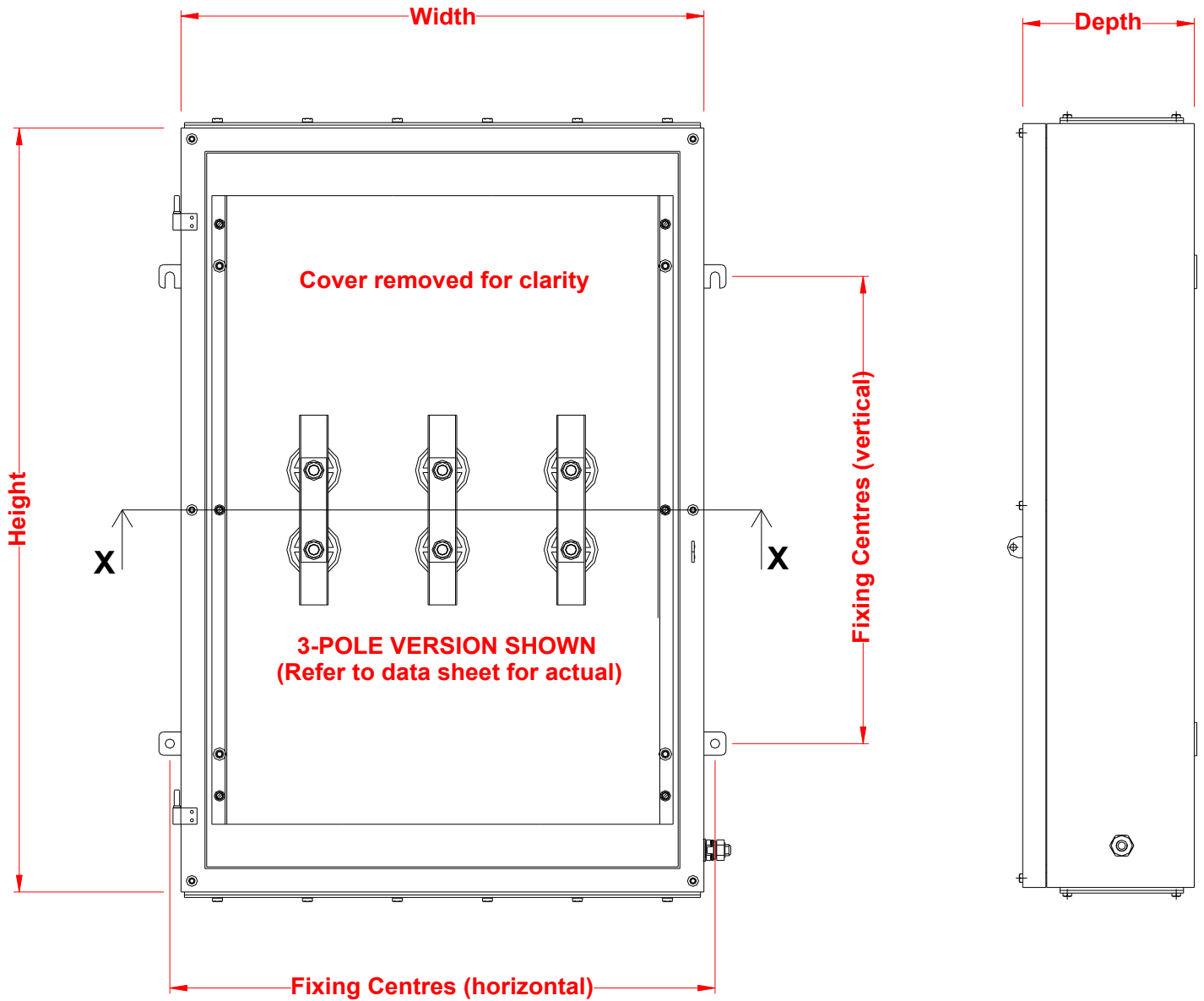
Rev. 0305

DIMENSIONS , inches (HEIGHT X WIDTH X DEPTH)		18.03" x 15.04" x 7.87"	30" x 20" x 7.87"	35.98" x 24.02" x 7.87"	35.98" x 24.02" x 7.87"	
FIXING CENTRES , inches (vert. x horiz.)		12.01" x 16.02"	20" x 21.02"	22.01" x 25.04"	22.01" x 25.04"	
CCH PART REFERENCE		HVB463820 (3-pole)	HVB765120 (3-pole)	HVB916120 (3-pole)	HVB916120 (4-pole)	
WEIDMULLER CROSS REFERENCE		I	II	III - 3 pole	III - 4 pole	
MATERIAL THICKNESS , mm	BODY	1.5 (16 swg)	2.0 (14 swg)	2.0 (14 swg)	2.0 (14 swg)	
	LID	1.5 (16 swg)	2.0 (14 swg)	2.0 (14 swg)	2.0 (14 swg)	
WEIGHT (EMPTY ENCLOSURE)	Lbs	52.25	81.40	99.00	103.40	
MAXIMUM RATINGS	VOLTAGE (kV)	6.6	6.6	6.6	6.6	
	CURRENT (A)	T4	200	200	200	200
		T5	180	180	180	180
		T6	160	160	160	160
Ratings based on an ambient temp temperature of 40 Degrees Centigrade.						
MAXIMUM CABLE SIZE	Maximum lug width	inches	1.18"	1.18"	1.18"	1.18"
	Maximum cable size	sq.mm	150	150	150	150
		kcmil (MCM)	300	300	300	300
MAXIMUM WIRING SPACE (Distance between entries)	mm	7.09"	13.19"	16.14"	16.14"	
AVAILABLE GLANDING AREA TOP & BOTTOM		13.27" x 4.25"	18.27" x 4.25"	22.28" x 4.25"	22.28" x 4.25"	
MAXIMUM No. of ENTRIES TOP & BOTTOM		gland / hub	gland / hub	gland / hub	gland / hub	
	1 1/2" NPT	5 / 4	7 / 6	8 / 7	8 / 7	
	2" NPT	4 / 3	6 / 5	7 / 6	7 / 6	
	2 1/2" NPT	3 / 3	4 / 4	5 / 5	5 / 5	

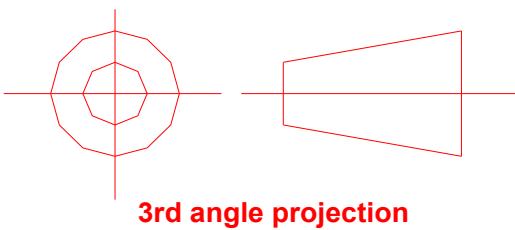
The ratings below relate to all four HVB sizes

CURRENT RATINGS	Cable Size (sq.mm)	Current (A)			
		T6	T5	T4	
		16	47	68	75
		25	62	89	98
		35	75	110	122
		50	89	133	147
		70	160	200	
	Cable Size (AWG)	Current (A)			
		T6	T5	T4	
		6	42	59	65
		4	55	80	88
		3	64	92	102
		2	73	107	118
		1	81	121	134
		1/0	101	141	156
2/0		150	173	192	
3/0		160	180	200	

HVB Range Assembly - General Arrangement



Section X-X



COOPER Crouse-Hinds

Kestrel PKE



GRP ENCLOSURE



Crouse-Hinds are premier manufactures of high quality and robust enclosure / termination assemblies configured to meet the requirements of the most demanding hazardous area environment applications. With over 30 years of experience in the design, engineering and manufacture of enclosures and termination assemblies, Crouse-Hinds provides a proven, tried and tested solution to meet the toughest project and installation needs.

The **Kestrel PKE** range is an “**ATEX certified**” enclosure / termination fully compliant with the impact, UV, thermal and ingress requirements of EN50014, and is available in a comprehensive range of 16 different sizes, each with the facility for many configuration possibilities for a multitude of applications.

Using the highest quality materials, unique design benefits and precision manufacturing the **Kestrel PKE** range is the benchmark in Glass Reinforced Polyester enclosures of its class.

Material	Glass Reinforced Polyester (G.R.P), with low surface resistance.
Finish	Black - RAL 9005.
Gasket Material	High integrity “one piece” Silicone rubber gasket.
Lid Fixing	Captive stainless steel screws.
Enclosure Mounting	4 x concealed fixing holes M4 / M6 depending on enclosure size. (Foot mounting kit optional)
Equipment Mountings	Brass mounting holes tapped at M3, M4, or M6 depending on enclosure size.
Enclosure Entries	Custom to meet clients requirements.
Enclosure Earthing	Optional M6 internal/external brass stud assembly. Brass continuity plates, one piece cruciform.
Ingress protection	IP66 to IEC 529 (EN60529)
Temperature Range	Silicone gasket -55°C (-67°F) to +100°C (212°F).
Ambient Temperature	Silicone gasket -55°C (-67°F) to +65°C (149°F) T6.
Impact Resistance	7 J (Nm) to EN 50014.
Toxicity	Halogen and Cadmium free.
Certification	ATEX II 2 G EEx e II (BASEEFA03ATEX0491X)

KESTREL, PKE ENCLOSURE TECHNICAL DATA

		PREFERRED SIZE	75 x 110	75 x 160	75 x 190	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	160 x 360	160 x 560	PREFERRED SIZE	PREFERRED SIZE	250 x 600	405 x 400	250 x 255	250 x 400	
DIMENSIONS (in mm) (HEIGHT X WIDTH X DEPTH)		75 x 80 x 55	x 55	x 55	x 55	120 x 122 x 90	120 x 220 x 90	160 x 160 x 90	160 x 260 x 90	x 90	x 90	250 x 255 x 120	250 x 400 x 120	x 120	x 120	x 160	x 160	
FIXING CENTRES (Vert. X Horiz.)		45 x 68.5	45 x 98	45 x 148	45 x 178	82 x 106	82 x 204	110 x 140	110 x 240	110 x 340	110 x 540	200.5 x 236	201 x 381.5	200 x 580	356 x 381.5	200 x 235	200 x 280	
CCH PART REFERENCE		PKEPE080806	PKEPE081106	PKEPE081606	PKEPE081906	PKEPE121309	PKEPE122210	PKEPE161610	PKEPE162610	PKEPE163610	PKEPE165610	PKEPE252613	PKEPE254013	PKEPE256013	PKEPE414013			
WEIDMULLER REFERENCE		1	2	3	31	4	5	51	6	7	71	8	9	91	10	11	12	
MATERIAL THICKNESS (in mm)																		
MASS in kg (Empty)		0.22	0.28	0.34	0.46	0.68	1.06	1.3	1.62	2.1	3.16	2.76	3.78	5.16	5.08	3.68	5.04	
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES		Horiz	60	90	139	168	98	193	132	232	332	534	227	372	573	372	227	372
OVERALL RAIL LENGTH		Horiz	64	94	145	174	105	200	139	239	339	541	234	379	580	379	234	379
AVAILABLE GLANDING AREA																		
TOP & BOTTOM		50 x 37	80 x 37	130 x 35	162 x 35	85 x 59	182 x 57	114 x 65	214 x 65	314 x 65	2 x (242 x 62)	209 x 87	354 x 88	2 x (264 x 88)	354 x 87			
LEFT		29 x 32	29 x 32	29 x 30	29 x 29	60 x 51	60 x 51	84 x 59	84 x 59	84 x 58	83 x 58	174 x 81	174 x 83	174 x 83	329 x 82			
RIGHT		29 x 32	29 x 32	29 x 30	29 x 29	60 x 51	60 x 51	84 x 59	84 x 59	84 x 58	83 x 58	174 x 81	174 x 83	174 x 83	329 x 82			
MAXIMUM ENTRIES																		
TOP		M16	1	2	4	5	12	7	14	21	32	20	36	52	36			
&		M20	1	2	0	0	4	3	5	8	12	10	18	26	18			
BOTTOM		M25	0	0	0	0	4	2	4	7	10	8	15	22	15			
		M32	0	0	0	0	1	3	2	3	5	3	6	8	8			
		** M40	0	0	0	0	0	0	0	0	0	3	5	8	5			
		** M50	0	0	0	0	0	0	0	0	0	2	4	6	4			
		** M63	0	0	0	0	0	0	0	0	0	0	0	0	0			
LEFT		M16	1	1	1	1	2	2	5	5	4	17	17	17	33			
		M20	0	0	0	0	1	1	2	2	2	8	8	8	16			
		M25	0	0	0	0	1	1	1	1	1	3	6	6	7			
		M32	0	0	0	0	0	0	1	1	1	3	3	3	5			
		** M40	0	0	0	0	0	0	0	0	0	2	2	2	5			
		** M50	0	0	0	0	0	0	0	0	0	2	2	2	4			
		** M63	0	0	0	0	0	0	0	0	0	0	0	0	0			
RIGHT		M16	1	1	1	1	2	2	5	5	4	17	17	17	33			
		M20	0	0	0	0	1	1	2	2	2	8	8	8	16			
		M25	0	0	0	0	1	1	1	1	1	3	6	6	7			
		M32	0	0	0	0	0	0	1	1	1	3	3	3	5			
		** M40	0	0	0	0	0	0	0	0	0	2	2	2	5			
		** M50	0	0	0	0	0	0	0	0	0	2	2	2	4			
		** M63	0	0	0	0	0	0	0	0	0	0	0	0	0			
** Please refer to ATEX Certificate																		
TERMINAL CONTENT																		
Terminal Type (thickness)		Orientation																
WDU 2.5N (5)		Horiz					1 x 12	1 x 31	1 x 19	1 x 39	1 x 58	1 x 98	2 x 38	2 x 67	2 x 108	3 x 67		
WDU 2.5 (5)		Horiz					1 x 12	1 x 31	1 x 19	1 x 39	1 x 58	1 x 98	2 x 38	2 x 67	2 x 108	3 x 67		
WDU 4 (6)		Horiz					1 x 11	1 x 26	1 x 16	1 x 32	1 x 49	1 x 82	2 x 32	1 x 56	1 x 90	2 x 56		
WDU 6 (8)		Horiz	(Refer to AKZ terminal information below)				-	-	1 x 12	1 x 24	1 x 37	1 x 61	2 x 24	1 x 42	1 x 67	2 x 42		
SAK 2.5 (6)		Horiz					1 x 11	1 x 26	1 x 16	1 x 32	1 x 49	1 x 82	2 x 32	2 x 56	2 x 90	3 x 56		
SAK 4 (6.5)		Horiz					1 x 10	1 x 24	1 x 15	1 x 30	1 x 45	1 x 75	2 x 29	2 x 51	2 x 83	3 x 51		
SAK 6 (8)		Horiz					1 x 8	1 x 20	1 x 12	1 x 24	1 x 37	1 x 61	2 x 24	2 x 42	2 x 67	3 x 42		
SAK 10 (10)		Horiz					-	-	1 x 10	1 x 19	1 x 29	1 x 49	2 x 19	2 x 33	2 x 54	3 x 33		
AKZ 2.5 (5)		Horiz	1 x 4	1 x 10	1 x 20	1 x 26	(Refer to WDU and SAK terminal information above)											
AKZ 4 (6)		Horiz	1 x 4	1 x 8	1 x 16	1 x 21	(Refer to WDU and SAK terminal information above)											

data to be advised

data to be advised

- NOTES : -
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 2. This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

**KESTREL, PKE ENCLOSURE TECHNICAL DATA
(Imperial)**

Rev. 0205

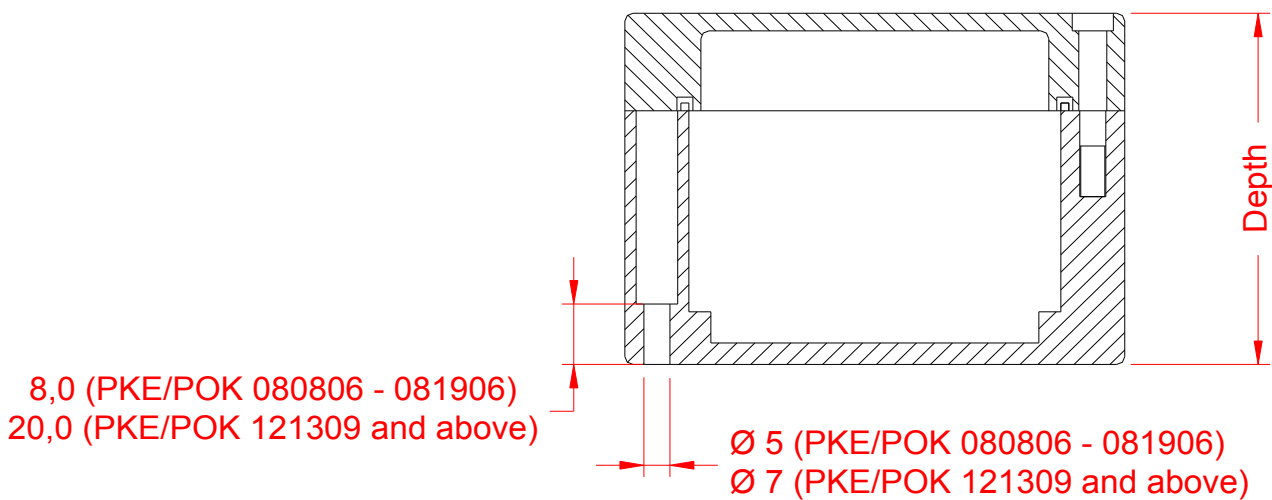
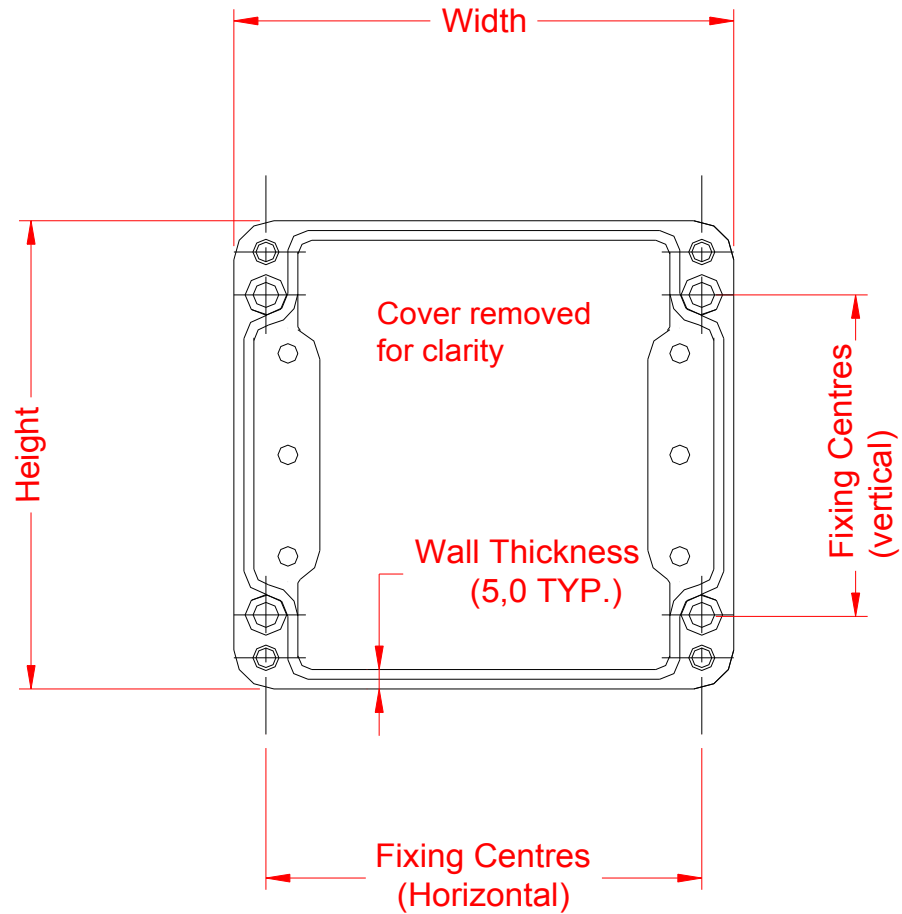
		PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	PREFERRED SIZE	
DIMENSIONS (in inches) (HEIGHT X WIDTH X DEPTH)		2.95 x 3.15 x 2.17	2.95 x 4.33 x 2.17	2.95 x 6.3 x 2.17	2.95 x 7.48 x 2.17	4.72 x 4.8 x 3.54	4.72 x 8.66 x 3.54	6.3 x 6.3 x 3.54	6.3 x 10.24 x 3.54	6.3 x 14.17 x 3.54	6.3 x 22.05 x 3.54	9.84 x 10.04 x 4.72	9.84 x 15.75 x 4.72	9.84 x 23.62 x 4.72	15.94 x 15.75 x 4.72	9.84 x 10.04 x 6.3	9.84 x 15.75 x 6.3	
FIXING CENTRES (Vert. X Horiz.)		1.77 x 2.7	1.77 x 3.86	1.77 x 5.83	1.77 x 7.01	3.23 x 4.17	3.23 x 8.03	4.33 x 5.51	4.33 x 9.45	4.33 x 13.39	4.33 x 21.26	7.89 x 9.29	7.91 x 15.02	7.87 x 22.83	14.02 x 15.02	7.87 x 9.25	7.87 x 11.02	
CCH PART REFERENCE		PKEPE080806	PKEPE081106	PKEPE081606	PKEPE081906	PKEPE121309	PKEPE122210	PKEPE161610	PKEPE162610	PKEPE163610	PKEPE165610	PKEPE252613	PKEPE254013	PKEPE256013	PKEPE414013			
WEIDMULLER REFERENCE		1	2	3	31	4	5	51	6	7	71	8	9	91	10	11	12	
MATERIAL THICKNESS (in mm)																		
	BODY	4.5	4.5	4.5	4.5	4.5	4.5	6	6	6	6	6	6	6	6	6.0	6.0	
	LID	6.5	6.5	6.5	6.5	6.5	6.5	9	9	9	9	9	9	9	9	9.0	9.0	
MASS in lbs (Empty)		0.48	0.62	0.75	1.01	1.5	2.33	2.86	3.56	4.62	6.95	6.07	8.32	11.35	11.18	8.1	11.09	
TERMINAL MOUNTING RAIL RAIL FIXING CENTRES		Horiz	2.36	3.54	5.47	6.61	3.86	7.6	5.2	9.13	13.07	21.02	8.94	14.65	22.56	14.65	8.94	14.65
OVERALL RAIL LENGTH		Horiz	2.52	3.7	5.71	6.85	4.13	7.87	5.47	9.41	13.35	21.3	9.21	14.92	22.83	14.92	9.21	14.92
AVAILABLE GLANDING AREA																		
	TOP & BOTTOM	1.97 x 1.46	3.15 x 1.46	5.12 x 1.38	6.38 x 1.38	3.35 x 2.32	7.17 x 2.24	4.49 x 2.56	8.43 x 2.56	12.36 x 2.56	2 x (9.53 x 2.44)	8.23 x 3.43	13.94 x 3.46	2 x (10.39 x 3.46)	13.94 x 3.43			
	LEFT	1.14 x 1.26	1.14 x 1.26	1.14 x 1.18	1.14 x 1.14	2.36 x 2.01	2.36 x 2.01	3.31 x 2.32	3.31 x 2.32	3.31 x 2.28	3.27 x 2.28	6.85 x 3.19	6.85 x 3.27	6.85 x 3.27	12.95 x 3.23			
	RIGHT	1.14 x 1.26	1.14 x 1.26	1.14 x 1.18	1.14 x 1.14	2.36 x 2.01	2.36 x 2.01	3.31 x 2.32	3.31 x 2.32	3.31 x 2.28	3.27 x 2.28	6.85 x 3.19	6.85 x 3.27	6.85 x 3.27	12.95 x 3.23			
MAXIMUM ENTRIES																		
	gland / hub	1 / 0	2 / 0	4 / 0	5 / 0	4 / 2	11 / 4	6 / 2	13 / 5	20 / 7	30 / 12	10 / 7	15 / 7	15 / 7	32 / 15			
TOP	1/2" NPT	1 / 0	2 / 0	4 / 0	5 / 0	4 / 2	11 / 4	6 / 2	13 / 5	20 / 7	30 / 12	10 / 7	15 / 7	15 / 7	32 / 15			
	3/4" NPT	1 / 0	2 / 0	4 / 0	5 / 0	2 / 1	4 / 3	3 / 2	5 / 4	8 / 6	12 / 10	8 / 3	8 / 3	8 / 3	16 / 7			
	1" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 1	4 / 3	2 / 2	4 / 3	7 / 5	10 / 8	3 / 3	3 / 2	3 / 2	5 / 5			
BOTTOM	1/4" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0	3 / 0	2 / 1	3 / 3	5 / 4	8 / 0	3 / 3	6 / 5	8 / 8	6 / 5			
	1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	3 / 2	5 / 4	8 / 6	5 / 4			
	2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 2	4 / 4	6 / 6	4 / 4			
	2 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0			
LEFT	1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	2 / 1	2 / 1	4 / 2	4 / 2	4 / 2	4 / 2	10 / 7	15 / 7	15 / 7	32 / 15			
	3/4" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 1	1 / 1	2 / 1	2 / 1	2 / 1	2 / 1	8 / 3	8 / 3	8 / 3	16 / 7			
	1" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0	1 / 0	1 / 1	1 / 1	1 / 1	1 / 1	3 / 3	6 / 3	6 / 3	14 / 6			
	1 1/4" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0	1 / 0	1 / 0	1 / 0	3 / 2	3 / 2	3 / 2	5 / 5			
	1 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 2	2 / 2	2 / 2	5 / 4			
	2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 0	2 / 0	2 / 0	4 / 0			
	2 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0			
RIGHT	1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	2 / 1	2 / 1	4 / 2	4 / 2	4 / 2	4 / 2	10 / 7	15 / 7	15 / 7	32 / 15			
	3/4" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 1	1 / 1	2 / 1	2 / 1	2 / 1	2 / 1	8 / 3	8 / 3	8 / 3	16 / 7			
	1" NPT	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0	1 / 0	1 / 1	1 / 1	1 / 1	1 / 1	3 / 3	6 / 3	6 / 3	14 / 6			
	1 1/4" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0	1 / 0	1 / 0	1 / 0	3 / 2	3 / 2	3 / 2	5 / 5			
	1 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 2	2 / 2	2 / 2	5 / 4			
	2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 0	2 / 0	2 / 0	4 / 0			
	2 1/2" NPT	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0			
** Please refer to ATEX Certificate																		
TERMINAL CONTENT																		
Terminal Type (thickness)																		
WDU 2.5N (5)		Orientation				1 x 12	1 x 31	1 x 19	1 x 39	1 x 58	1 x 98	2 x 38	2 x 67	2 x 108	3 x 67			
WDU 2.5 (5)		Horiz				1 x 12	1 x 31	1 x 19	1 x 39	1 x 58	1 x 98	2 x 38	2 x 67	2 x 108	3 x 67			
WDU 4 (6)		Horiz				1 x 11	1 x 26	1 x 16	1 x 32	1 x 49	1 x 82	2 x 32	1 x 56	1 x 90	2 x 56			
WDU 6 (8)		Horiz	(Refer to AKZ terminal information below)				-	-	1 x 12	1 x 24	1 x 37	1 x 61	2 x 24	1 x 42	1 x 67	2 x 42		
SAK 2.5 (6)		Horiz				1 x 11	1 x 26	1 x 16	1 x 32	1 x 49	1 x 82	2 x 32	2 x 56	2 x 90	3 x 56			
SAK 4 (6.5)		Horiz				1 x 10	1 x 24	1 x 15	1 x 30	1 x 45	1 x 75	2 x 29	2 x 51	2 x 83	3 x 51			
SAK 6 (8)		Horiz				1 x 8	1 x 20	1 x 12	1 x 24	1 x 37	1 x 61	2 x 24	2 x 42	2 x 67	3 x 42			
SAK 10 (10)		Horiz				-	-	1 x 10	1 x 19	1 x 29	1 x 49	2 x 19	2 x 33	2 x 54	3 x 33			
AKZ 2.5 (5)		Horiz	1 x 4	1 x 10	1 x 20	1 x 26	(Refer to WDU and SAK terminal information above)											
AKZ 4 (6)		Horiz	1 x 4	1 x 8	1 x 16	1 x 21	(Refer to WDU and SAK terminal information above)											

data to be advised

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- NOTES :-
- The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
 - This information is for guidance purposes only. Cooper Crouse-Hinds UK Ltd reserves the right to make any necessary changes without notice

Kestrel (PKE/POK) Range Enclosure (General Arrangement)



**Cooper Crouse-Hinds UK
Enclosure Range - Size Chart.**

Ex-Cell	NEXT	STB	HVB	Kestrel (GRP)
-	-	12/12/08cm	-	08/08/06cm
-	-	15/12/08cm	-	
-	-	15/15/09cm	-	08/11/06cm
-	-	19/15/09cm	-	
-	-	19/19/10cm	-	08/16/06cm
-	-	16/38/12cm	-	
23/15/13cm (9"/6"/5")	22/15/13cm	-	-	08/19/06cm
		25/25/12cm		
-	-	25/40/13cm	-	12/13/09cm
26/26/15cm	26/26/16cm	-	-	
-	-	-	-	12/22/10cm
	26/26/20cm	-	-	
30/20/15cm (12"/8"/6")	-	-	-	16/16/10cm
30/30/15cm (12"/12"/6")	30/30/16cm	-	-	
30/30/20cm (12"/12"/8")	30/30/20cm	-	-	16/26/10cm
-	30/35/20cm	-	-	
-	38/26/16cm	-	-	16/36/10cm
-	38/26/20cm	-	-	
		38/38/22cm		16/56/10cm
	38/45/20cm	-	-	
-	-	-	-	25/26/13cm
40/30/15cm (16"/12"/6")	-	-	-	
40/40/15cm (16"/16"/6")	-	-	-	25/26/17cm
40/50/15cm (16"/20"/6")	-	-	-	
-	-	40/60/22cm	-	25/40/13cm
-	45/38/16cm	-	-	
-	45/38/20cm	-	-	25/40/17cm
-	45/55/20cm	-	-	
-	-	-	46/38/20cm	25/60/13cm
-	48/48/20cm	-	-	
-	50/35/20cm	-	-	41/40/13cm
50/40/15cm (20"/16"/6")	-	-	-	
50/50/15cm (20"/20"/6")	-	-	-	
50/60/20cm (20"/24"/8")	-	-	-	
-	50/64/20cm	-	-	
60/40/15cm (24"/16"/6")				
60/40/20cm (24"/16"/8")	-	60/40/22cm	-	
60/50/15cm (24"/20"/6")	-	-	-	
60/50/20cm (24"/20"/8")	-	-	-	
60/60/15cm (24"/24"/6")	-	-	-	
60/60/20cm (24"/24"/8")	-	-	-	
60/76/20cm (24"/30"/8")	-	-	-	
-	62/45/20cm	-	-	
-	74/55/20cm	-	-	
76/50/20cm (30"/20"/8")	76/50/20cm	-	-	
-	-	-	76/51/20cm	
76/60/20cm (30"/24"/8")	-	-	-	
76/76/20cm (30"/30"/8")	-	-	-	
-	86/64/20cm	-	-	
-	91/61/20cm	-	91/61/20cm	
-	98/74/20cm	-	-	

SEE TECHNICAL DATA SHEET FOR TERMINAL CONTENTS AND ENTRY CLEARANCE HOLE CAPACITIES

COOPER Crouse-Hinds

CUSTOMISED ENCLOSURE SERVICE

In addition to manufacturing our standard enclosure product lines, Cooper Crouse-Hinds UK Ltd. also provide an enclosure customisation service to design, manufacture and configure enclosures to meet customer's specific requirements.

These customised enclosures are made to the same high quality and performance as our standard enclosure product line and can benefit from the same inherent ingress protection (IP), impact resistance and corrosion resistance.

A customised enclosure may be for an OEM equipment manufacturer requiring an enclosure to house specific electrical, electronic or mechanical equipment or for a specific project or contract for the installation of a copper power, instrumentation or communications infrastructures.

The various parameters of the enclosure can be selected from a range the materials. Depending on the environment in which it will be installed; this could be either 316L stainless steel, 304 stainless steel (both supplied electro-polished finish as standard) or powder coated steel to RAL 7032, or a customised colour on request. Physical dimensions of the enclosure of the enclosure maybe determined and door fastening method; ¼ turn lock or retained bolts may also be chosen.

We can also provide any required cable gland clearance holes or cut-outs for the mounting of switches, push-buttons or meters etc.

As part of our customisation service we can also populate the enclosure with terminals, PLC's, Profibus hubs and other various components including cable glands and breather drains. We are also able to provide a service to install free issue items into the enclosure, include any labelling requirements if provided with all the necessary information.

Detailed below is a portfolio of our plant capabilities and services we can offer:

- ◆ **Product design and engineering using Radan 3-D modeling**
- ◆ **Auto CAD drawing and documentation facilities.**
- ◆ **PC programmed / automated Triumph punch presses.**
- ◆ **CNC controlled LVD folding presses.**
- ◆ **CNC controlled robot TIG and MIG Welding .**
- ◆ **State of the art automated Electro-polishing line.**
- ◆ **State of the art automated Polyester powder coating line.**
- ◆ **CNC controlled Polyurethane foam in place gasketing machine.**
- ◆ **PC controlled Trifoliate label engraving facilities.**
- ◆ **Dedicated mechanical & electrical assembly facility.**

