



Certification Excellence

CERTIFICATE OF PRODUCT CERTIFICATION

This is to certify that:

EXB Electric (Pty) Ltd

Is a CERTEX approved manufacturer and may apply the CERTEX mark of approval on their products as indicated on the schedule of certification that accompanies this certificate.

This certificate is valid from 28 February 2016 and expires on 28 February 2019 provided that all CERTEX conditions and requirements are complied with.

Certificate Number: CX0401 Edition 5.0

JG Auret
Director: Technical



Certification Excellence

Schedule of Certification

Date of Issue: 28 February 2016

Expiry Date: 28 February 2019

<u>Name of Manufacturer</u> EXB Electric (Pty) Ltd	<u>Management Representative</u>
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EXB - Explolabs - Certex - Schedule of Certification

EXB Revision 28 February 2013 @ 11h45
 Next Review : 28 February 2014
 Certex Certificate No. CX0401 Ed 4

					Relevant Standards												
					SANS 60079 - 0 General Requirements	SANS 60079 - 1 Flameproof "d"	SANS 60079 - 5 Powder Filling "q"	SANS 60079 - 7 Increased Safety "e"	SANS 60079 - 11 Intrinsic Safety "i"	SANS 60079 - 15 Non-Sparking "nA"	SANS 60079 - 18 Encapsulation "m"	SANS 60529 - 1 IP	SANS 60079 - 26 EPL - Ga	SANS 10086 - 1 Installations	SANS 61241 - 0 - 1 D.I.P		
Explolabs																	
Note	Description	Issued Date	Certificate No. #	Expiry Date													
a	Control Station Assemblies	05-May-11	S-XPL / 04071	11-Apr-21		•	•	•	•	•							•
b	Distribution Board Assemblies	05-May-11	S-XPL / 04072X	08-Apr-21		•	•	•	•	•							•
c	Terminal Enclosure Range	09-May-11	S-XPL / 04073X	09-May-21		•	•	•	•	•							•
d	Core Reduction Box Assemblies	05-May-11	S-XPL / 07072	07-May-17	•												
e	Plugs and Sockets	09-May-11	S-XPL / 07724X	08-Apr-21	•	•		•	•	•	•	•					•
f	Luminaires	09-May-11	S-XPL / 07730X S-XPL / 07730	10-Apr-21	•	•		•	•	•	•	•					•
g	EX Safety & Main Current Switches	09-May-11	S-XPL / 07793	11-Apr-21	•	•		•									
h	Energizer - Headlight and Flashlight	30-Jul-12	MS-XPL/12.0820 X	30-Jul-22	•			•					•				
i	Transition Box - HVB	24-May-12	S-XPL/05321	22-Feb-16	•			•									
j	Earth Leakage Testers	19-Nov-12	S-XPL/12.1324	19-Nov-22	•							•					
Encapsulation 'm' Resin																	
k	Sprayon Poly-steel Fibre Glass Resin	05-May-11	MS-XPL/081253U	28-Mar-21	•							•					
l	Fastcast Polyurethane Resin	05-May-11	MS-XPL/090552U	07-Oct-20	•							•					
m	Pratley Encapsulant	06-May-11	M-XPL/05394X	15-Feb-16	•							•					
n	Thru-Bushings	22-Apr-03	MS-XPL/03142U	22-Apr-13	•	•		•				•					
Special Assemblies (odds)																	
o	Helideck Perimeter Light	05-May-11	S-XPL/08785	11-Apr-21	•			•				•					
p	Tripod Fluorescent Stand	05-May-11	S-XPL/090499X	29-Mar-21	•	•		•									•
q	Modified Brake Unit	09-May-11	S-XPL/08069	29-Mar-21	•							•					
r	Electric Crane Motors	09-May-11	S-XPL/04541	10-Apr-21	•						•						
s	Cortem Enclosures	06-May-11	S-XPL/06238	11-May-16	•	•											
t	Compressor Terminal Box	19-Apr-11	S-XPL/07892X	29-Mar-21	•							•					
Note	Notes																
a	CCH (CEAG) "Extended Workbench" Predominantly "U" Certified control components, and other components, Catalogue 1005 section 9 - Ex - Control Units and Control Stations																
b	CCH (CEAG) "Extended Workbench" Predominantly "U" Certified power & control components, and other components, Catalogue 1005 Section 11 - Ex - Control and Distribution Systems																
b	Assorted assemblies / combinations : e.g. Ceag Socket Outlet joined to Ex d enclosure containing local earth leakage protection.																
c	Assorted enclosures, (e.g. CCH, Uniarte, Weidmuller, Sheeteck) with "U" Terminals. (WFF Bolt Terminals are INCLUDED as they are "U" Certified.) : NB. T Class considerations! CCH Section 7 - Junction Boxes and Terminal Enclosures																
d	Series CRB : Bus Bars & Cable Lugs instead of Cage or Bolt Terminals as in note c.																
e	Per Cooper Crouse-Hinds Catalogue 1005	Section 6															Electrical Connectivity
f	Per Cooper Crouse-Hinds Catalogue 1005	Section 1															Portable Ex - Lamps
f	Per Cooper Crouse-Hinds Catalogue 1005	Section 2															Ex - Fluorescent Light Fittings
f	Per Cooper Crouse-Hinds Catalogue 1005	Section 3															Ex - Signal - and Escape Sign Luminaires
f	Per Cooper Crouse-Hinds Catalogue 1005	Section 4															Ex - Ceiling, Pendant Light Fittings and Floodlights
f	Per Cooper Crouse-Hinds Catalogue 1005	Section 5															Ex - Audio / Visual - Signalling Equipment
g	Per Cooper Crouse-Hinds Catalogue 1005	Section 10															Ex - Safety and Main Current Switches
h	Per Energizer agreement Head Lights & Flashlights for Zone 0																
i	HVB 8.8kV TO 11kV - Cooper Crouse Hinds, Cato-Ridge																
Special Assemblies (odds)																	
n	Ex approved Navigation & Helideck Lighting, From the company "ORGA BV"																
o	Chevron tripod - Installation, inspection and maintenance of equipment on site																

Electrical Motors examples are given in the enclosed table.

Manufacturer	Type	Speeds – R/min		Voltage	Phases	Insulation Class	Power		Nominal I _N		Poles		Duty Cycle
		A	B				kW	kW	A	A	Slow	Fast	
Demag	KBF 71 A 4	1,340	N/A	525V 50Hz	3 Phase	Iso F	0,13		0,75		4	N/A	
Demag	KBF 71 A 8 / 2	640	2,650	525V 50Hz	3 Phase	Iso F	0,4	0,2	0,58	0,47	8	2	
Demag	KBF 71 B 8 / 2	660	2,750	525V 50Hz	3 Phase	Iso F	0,06	0,3	0,94	0,87	8	2	
Demag	KBA 80 A4	1,360	N/A	525V 50Hz	3 Phase	Iso F	0,83		3,5		4	N/A	
Demag	KBA 80 B4	1,340	N/A	525V 50Hz	3 Phase	Iso F	1,5		6,1		4	N/A	
Demag	KBF 80 A 8 / 2	630	2,710	525V 50Hz	3 Phase	Iso F	0,13	0,5	0,87	1,1	8	2	
Demag	KBH 90 A 4	1,350	N/A	525V 50Hz	3 Phase	Iso F	0,5			0,2	4	N/A	
Demag	KBF 90 A 8 / 2	590	2,520	525V 50Hz	3 Phase	Iso F	0,2	0,8	1,1	1,8	8	2	
Demag	KMH 100 B 2 / 8	620	2,720	525V 50Hz	3 Phase	Iso F	2,5	0,62	4,7	2,3	8	2	
Demag	KBH 112 B 2 / 12	410	2,740	525V 50Hz	3 Phase	Iso F	3,6	0,51	6,5	3,9	12	2	
Demag	KBH 112 B 4	1,420	N/A	525V 50Hz	3 Phase	Iso F	4,6		17,6		4	N/A	
Demag	KBH 125 B 2 / 12	430	2,870	525V 50Hz	3 Phase	Iso F	4,6	0,68	9,6	6,2	12	2	
Demag	KBH 125 B 2 / 12		2,890	525V 50Hz	3 Phase	Iso F	3,6	0,53	8,8	6,2	12	2	
Demag	KBH 125 B 2 / 12	450	2,890	525V 50Hz	3 Phase	Iso F	3,6	0,53	8,8	6,2	12	2	
Demag	KBH 140 B 2 / 12	440	2,870	525V 50Hz	3 Phase	Iso F	7,1	1,1	15,9		12	2	
Demag	KBH 140 B 2 / 12	460	2,900	525V 50Hz	3 Phase	Iso F	5,7	0,85	11,9		12	2	
Demag	KBH 140 B 4	1,420	N/A	525V 50Hz	3 Phase	Iso F	11,4		40		4	N/A	
Demag	KBH 180 B 2 / 12	460	2,870	525V 50Hz	3 Phase	Iso F	17,8	2,6	32	15,2	12	2	
Demag	KMH 112 B 2 / 8	670	2,770	525V 50Hz	3 Phase	Iso F	4	0,97	11,1	6,9	8	2	
Demag	KMH 90 B 2 / 8	640	2,800	525V 50Hz	3 Phase	Iso F	0,42	1,7	1,75	3	8	2	
Demag	KMH 90 B 8 / 2	640	2,800	525V 50Hz	3 Phase	Iso F	0,42	1,7	1,75	3	8	2	
Demag	ZBF 71 A 8 / 2	675	2,785	525V 50Hz	3 Phase	Iso F	0,9	0,34	0,8	1,1	8	2	
Demag	ZBF 71 A 8 / 2 B003	200	400	525V 50Hz	3 Phase	Iso F	0,09	0,34	0,58	0,8	8	2	
Demag	ZBF 71 A 8 / 2 B003	675	2,785	525V 50Hz	3 Phase	Iso F	0,09	0,34	0,58	0,8	8	2	
Demag	ZBF 71 A 8 / 4	650	1,370	525V 50Hz	3 Phase	Iso F	0,09	0,18	0,61	0,55	8	4	
Demag	ZBF 71 A 8 / 4 B003	400	200	525V 50Hz	3 Phase	Iso F	0,09	0,18	0,61	0,55	8	4	
Demag	ZBF 71 A 8 / 4 B003	200	400	525V 50Hz	3 Phase	Iso F	0,09	0,18	0,61	0,55	8	4	
Demag	ZBF 80 A 8 / 2	640	2,800	525V 50Hz	3 Phase	Iso F			1		8	2	
Demag	ZBF 80 A 8 / 2	630	2,790	525V 50Hz	3 Phase	Iso F	0,13	0,5	1,1	1,1	8	2	
Demag	ZBF 90 B 8 / 2 B050	690	2,765	525V 50Hz	3 Phase	Iso F	0,2	0,8	1,15	1,75	8	2	