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INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com					
Certificate No.:	IECEx SIR 11.0155X	Page 1 of 4	Certificate history:		
Status:	Current	Issue No: 3	Issue 2 (2017-04-04) Issue 1 (2013-09-30) Issue 0 (2012-07-16)		
Date of Issue:	2020-04-27				
Applicant:	Stolway Pty Ltd Warehouse 2 91-95 Montague St Wollongong, NSW 2500 Australia				
Equipment:	Type 'ST' Air Conditioning Units (HVAC) &	Type 'ST' Water Chiller Units			
Optional accessory:					
Type of Protection:	Flameproof, Increased Safety, Intrinsic Sat	fety & Encapsulation			
Marking: Ex II* T* Gb (Ta = -*°C to +*°C) Notes: 1.* The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted 2. The marking that is shown is a typical example since the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit; see the description of equipment and conditions of manufacture. 3. Compliance with the relevant standard relies on the fact that the devices used in the construction of this Equipment (see description in the certificate) are previously certified, IEC 60079-0 was referenced for guidance in respect of marking.					
Approved for issue of Certification Body:	n behalf of the IECEx	N Jones			
Position:		Certification Manager			
Signature: (for printed version)					
Date:					
 This certificate and schedule may only be reproduced in full. This certificate is not transferable and remains the property of the issuing body. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code. 					
Certificate issued SIRA Certificatic CSA Group Unit 6, Hawarde Hawarden, Dees United Kingdom	by: on Service n Industrial Park ide, CH5 3US	CERTIFICATION	GROUP		



Certificate No.:	IECEx SIR 11.0155X	Page 2 of 4
Date of issue:	2020-04-27	Issue No: 3
Manufacturer:	Stolway Pty Ltd Warehouse 2 91-95 Montague St Wollongong, NSW 2500 Australia	
Additional manufacturing locations:		
This certificate is issu the IEC Standard list assessed and found t IECEx Scheme Rules	ed as verification that a sample(s), representative of production below and that the manufacturer's quality system, relating to the to comply with the IECEx Quality system requirements. This cert s, IECEx 02 and Operational Documents as amended	, was assessed and tested and found to comply with Ex products covered by this certificate, was fficate is granted subject to the conditions as set out in
STANDARDS : The equipment and a to comply with the fol	ny acceptable variations to it specified in the schedule of this ce lowing standards	rtificate and the identified documents, was found
IEC 60079-0:2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements	
	This Certificate does not indicate compliance with safety ar	d performance requirements
	other than those expressly included in the Stand	ards listed above.
TEST & ASSESSME A sample(s) of the eq	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re	ards listed above. quirements as recorded in:
TEST & ASSESSME A sample(s) of the eq Test Reports:	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re	ards listed above.
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0020 GB/SIR/ExTR20.0080	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re B/00 GB/SIR/ExTR13.0256/00 6/00	guirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0020 GB/SIR/ExTR20.0080 Quality Assessment F	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re 8/00 GB/SIR/ExTR13.0256/00 6/00 Report:	ards listed above. quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0026 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re B/00 GB/SIR/ExTR13.0256/00 6/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0026 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re B/00 GB/SIR/ExTR13.0256/00 6/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0026 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re B/00 GB/SIR/ExTR13.0256/00 GB/SIR/ExTR13.0256/00 Report: 2/10	ards listed above. quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0026 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re 8/00 GB/SIR/ExTR13.0256/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0026 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re 8/00 GB/SIR/ExTR13.0256/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0028 GB/SIR/ExTR20.0086 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re 8/00 GB/SIR/ExTR13.0256/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00
TEST & ASSESSME A sample(s) of the eq Test Reports: GB/SIR/ExTR12.0020 GB/SIR/ExTR20.0080 Quality Assessment F AU/TSA/QAR06.0022	other than those expressly included in the Stand NT REPORTS: uipment listed has successfully met the examination and test re 8/00 GB/SIR/ExTR13.0256/00 6/00 Report: 2/10	quirements as recorded in: GB/SIR/ExTR17.0050/00



Certificate No.: IECEx SIR 11.0155X

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Refer to the ANNEXE for the Equipment description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below: Refer to the ANNEXE for the Specific Conditions Of Use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) This issue, Issue 3, recognises the following change; refer to the certificate annex to view a comprehensive history:

1. The Applicant's and Certificate holders address was changed from 9 Charcoal Close Unanderra 2526 Australia to Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia.

Annex:

IECEx SIR 11.0155X Issue 3 Annexe.pdf

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to th			hay be applied to the
		Concept Cas group T class Amb tor		Amb tomp	
Comprossor assombly		Evid		T2 or T4	$20 \text{ to } + 60^{\circ}\text{C}$
		LX U		T2 or	$-20\ 10\ +00\ C$
Heater assembly	IECEX SIR IU.0022A	Exe	пс		-40 to +55 C 0
Solonoid (Defrigoration)		Ev mo	110	T3 T4	$-40\ 10\ +44\ C$
Solenoid (Refrigeration)	IECEX ISA U7.0060X	Ex ma		14	$-40\ t0\ +60^{\circ}C$
Motor				14	$-40\ 10\ +00\ C$
WOTO	IECEX 13A 00.0034A	Exe	11	13	$-20\ 10\ +50\ C$
Motor		Ev a		T2	$-20 \ 10 + 60 \ C$
WOLOF	TECEX TSA 06.0035X	Exe	11	13	$-20\ 10\ +50\ C$
Madau		E. J	110	T4 an T2	$-20\ 10\ +60\ C$
WOTOF	TECEX CES 09.0007	EXIC	пс	14 OF 13	-20 to +60°C
		Ex de			001 (000
Motor	IECEX CES 10.0014	Exd	ПС	16, 15,	-20 to +60°C
		Ex de		14 or	
				130	
Motor	IECEX CES 10.0015	EEx d or	IIB	Т6, Т5,	-20 to +80°C
		EEx de		T4 or	-20 to +60°C
				T3@	
Motor	IECEx CES 10.0023X	Exd	IIB	T6, T5,	-20 to +80°C
				T4 or T3	
Electrical enclosure	IECEx BKI 06.0009	Ex d	IIB + H2	T6, T5,	Refer to certificate
		Ex d [ia/ib]		T4 or T3	
Electrical enclosure	IECEx BKI 09.0005	Ex d	IIB + H2	T6, T5,	Refer to certificate
		Ex d [ia]		T4 or T3	
Electrical enclosure	IECEx KEM 07.0051X	Ex d	IIB + H2	T6T4	-20 to +60°C
			IIB	T6T4	-55 to +60°C
Junction boxes	IECEx SIR 06.0074	Exe	11	T6, T5,	Refer to certificate
		Ex ia	IIC	T4 or T3	
Junction boxes	IECEx SIR 06.0106X	Exe	11	T6, T5,	Refer to certificate
		Ex ia	IIC	Τ4	
Junction boxes	IECEx PTB 06.0060	Ex d e ia/ib	IIC, IIB,	T6, T5,	Refer to certificate
			IIA	T4	
Junction boxes	IECEx PTB 09.0048	Ex d e ia/ib	IIC. IIB.	T6, T5,	Refer to certificate
			IIA	Τ4	
Junction boxes	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6. T5.	Refer to certificate
				Τ4	
Cable glands	IECEX BAS 06 0013X	Fx d	LIC	N/A	-60 to +80°C
Sabio glanas		Exe			0010 100 0
Cable glands		Exd	LIC	Ν/Δ	-60 to +80°C
	ILCEX DAS 00.0014A	EXA	110	IN/A	-00 10 100 0
Cable glands		Exd	ПС	NI/A	-60 to +80°C
	ILCEX DAS 00.0015X	EXQ	no	IN/A	-00 10 100 0
Cable glands		Exd	LIC	N/A	-60 to +120°C
				N/A	-00 10 + 130 0
Cablo glands		Evd		N/A	60 to 120°C
Cable glatius	ILULA SIK UU.UU39A			N/A	-00 10 + 130 C
Cablo glands		Evd		Ν/Λ	60 to 185°C
	ILCEX SIK UO.UU44A			N/A	-00 10 +03 6
1		LEXE	1.11	1	

Date: 27 April 2020

Sira Certification Service

IECEx SIR 11.0155X Issue 3



Applicant: Stolway Pty Ltd

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Item Certificate No.		Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Cable glands	IECEx SIR10.0094X	Ex d Ex e	IIC	N/A	-60 to +85°C
Cable glands	IECEx BAS 06.0059X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Plugs/Reducers	IECEx BAS 07.0001X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	IECEx SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEx SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEx SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	IECEx BAS 06.0025	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx PTB 11.0031	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx TUN 07.0003	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx BAS 07.0067	[Ex ia Ga]	IIC	N/A	-20 to +60°C
IS barrier	IECEX IBE 10.0004X	[Ex ia] Ex nAC	IIC	Τ4	-20 to +65°C
IS barrier	IECEx IBE 10.0002X	[Ex ia] Ex nAC	IIC	T4	-20 to +60°C
Self-regulated heating cable	IECEx UL 06.0013	Exe	11	T5 or T6	-60 to +55°C

① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/C annexed to the IECEx certificate.

The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/B annexed to the IECEx certificate.

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Issue 1 - The following table lists the introduction of additional IECEx devices and amendment of the Item description (•) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No	Summary of appropriate marking that may be applied to t			hay be applied to the
The second se		Concept	Gas group	T class	Amb. temp.
Solenoid	IECEX PTB 04,0002X	Ex mb		T6, T5 or	Refer to certificate
		27.112		T4	
Motor	IECEX BAS 08.0096X	Ex de	IIC	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEX BAS 08.0097X	Ex de	IIC	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEx BAS 08.0100X	Ex d	IIB	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEx BAS 08.0101X	Ex d	IIB	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEx BAS 09.0066X	Ex d	IIB	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEx BAS 09.0067X	Ex de	IIC	T4 or T3	-20 to +50°C
					Refer to certificate
Motor	IECEx TSA 10.0007X	Ex d	IIB	T4 or T5	-20 to +40°C
Motor	IECEx TSA 11.0057X	Ex d	IIC	T*	-55 to +60°C
Motor	IECEx TSA 12.0018X	Exe	IIC	Т3	-20 to +40°C
Motor	IECEx CES 11.0014X	Ex d	IIC	T6, T5,	-20 to +60°C
				T4 or T3	
Electrical enclosure	IECEx BKI 11.0010	Ex db	IIC	T6T3	Refer to certificate
		Ex db [ia]			
		Ex db [ib]			
Electrical enclosure	IECEx SIM 03.0000X	Ex d	IIB+H2	T6 or T5	Refer to certificate
Electrical enclosure	IECEx TSA 06.0011	Ex d	IIB+H2	Refer to	Refer to certificate
		Ex d [ia]		certificate	
Electrical enclosure	IECEx TSA 06.0012	Ex d	IIC	T6 or T5	Refer to certificate
Junction box / Enclosure •	IECEx SIR 06.0074	Ex e	11	T6, T5,	Refer to certificate
		Ex ia	IIC	T4 or T3	
Junction box / Enclosure •	IECEx SIR 06.0106X	Ex e	11	T6, T5,	Refer to certificate
		Ex ia	IIC	T4	
Junction box / Enclosure	IECEx INE 11.0016	Ex d e ia/ib	IIC	T6, T5 or	Refer to certificate
		ib mb		T4	
Junction box / Enclosure	IECEX ITA 08.0005X	Exe	IIC	Т6	-20 to +40°C
Junction box / Enclosure	IECEX ITA 08.0006X	Exe	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEx KEM 10.0019	Ex eb	IIC	T6T4	Refer to certificate
		Exia			
		Ex eb ia			
Junction box / Enclosure •	IECEX PTB 06.0060	Ex d e ia/ib	IIC, IIB,	T6, T5,	Refer to certificate
			IIA	14	
Junction box / Enclosure •	IECEX PIB 09.0048	Ex d e la/lb	TIC, TIB,	16, 15,	Refer to certificate
				14	
Junction box / Enclosure	IECEX PIB 06.0046	Ex d e la/lb	TIC/TIB/TIA	16, 15,	Refer to certificate
hunstien her / Easter a		Europe to			Defende og stilleret
JUNCTION DOX / ENCLOSURE	IECEX PIB 06.0026	Ex e mb		16, 15,	Refer to certificate
lupation boy / Englacy inc					Defer to cortificate
JUNCTION DOX / ENCLOSURE	IECEX SIIVI 09.0001X	Exe		10, 15 OF	Relet to certificate
	1	1		14	

Date: 27 April 2020

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd



Applicant:

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction box / Enclosure	IECEx TSA 10.0011	Ex e	11	T6 or T5	Refer to certificate
Plug / Reducer / Accessory •	IECEx BAS 07.0001X	Ex d	IIC	N/A	-
Plug / Reducer / Accessory	IECEX ITS 13.0018U	Ex d Ex e		N/A	Refer to certificate
Plug / Reducer / Accessory	IECEx SIM 07.0003U	Ex d Ex e	IIB+H2 IIC	N/A	-20 to +40°C
Plug / Reducer / Accessory •	IECEx SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory •	IECEx SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEx SIR 07.0052X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory •	IECEx SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEx SIR 08.0127U	Ex e Ex d	IIC	N/A	Refer to certificate
IS barrier	IECEX IBE 08.0001X	[Ex ia] Ex nA nC	IIC	T4	-20 to +60°C

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:



Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Issue 2 – the equipment that is	permitted for installation (under IECEx 11.0155X has	been updated as follows:
	portractor for installation e		booli apaatoa as ionomo.

Certificate	Standard Edition	Description	Ex Marking
IECEx SIR 07.0095	IEC 60079-0:2004 (Ed 4.0)	Compressor Assembly	Ex d IIB+H2 IP66 T4 (Ta= -20 to +60°C)
	IEC 60079-1:2003 (Ed 5.0)		
IECEx SIR 10.0022X	IEC 60079-0:2007-10 (Ed 5.0)	Heating Element Assembly	Ex e IIC T3 Gb (Ta = -40°C to +55°C)
	IEC 60079-7:2006-07 (Ed 4.0)		Ex e IIC T5 Gb (Ta = -40°C to +44°C)
IECEx TSA 07.0060X	IEC 60079-0:2004 (Ed 4.0)	Solenoid Coil	Ex ma IIC T4 (Ta=60 degC) IP66 (for types SX024DC and
	IEC 60079-18:2004 (Ed 2.0)		SX024DC(CS)) or
			Ex mb IIC T4 (Ta=60 degC) IP66 (for types SX110AC and
			SX230AC)
			Ta = -40 to +60 degC
			Ui = 26.4VDC (SX024DC and SX024DC(CS)) or
			Um = 132VAC 50/60Hz (SX120AC) or 250VAC 50/60Hz
			(SX230AC)
IECEx PTB 04.0002X	IEC 60079-0:2007-10 (Ed 5)	Solenoid, type 0515and	Ex mb IIC T6, T5, T4
	IEC 60079-18:2009 (Ed 3)	type 1215	Ex mb tb IIIC T80°C, T95°C, T130°C
			IP65
IECEx LCI 06.0004X	IEC 60079-0:2007-10 (Ed 5)	Electrovalves - Type :	Ex d mb
	IEC 60079-1:2007-04 (Ed 6)	/495900 or/495905	IIC T* Gb
	IEC 60079-18:2009 (Ed 3)		
IECEx PTB 05.0006X	IEC 60079-0:2007-10 (Ed 5)	Solenoid operator, Type	Ex mb IIC T5,T4 and Ex mb tb IIIC T95°C, T130°C
	IEC 60079-18:2009 (Ed 3)	0513, 1213, 0514 and 1214	or
			Ex mb IIC T5,T4 Gb and Ex mb tb IIIC T95°C, T130°C Db
IECEX BAS 08.0096X	IEC 60079-0:2004 (Ed 4.0)	A Low Voltage A.C. Motor	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
	IEC 60079-1:2007-04 (Ed 6)	Frame Size 80 and 90	
	IEC 60079-7:2006-07 (Ed 4)		
IECEX BAS 08.0097X	IEC 60079-0:2004 (Ed 4.0)	A Low Voltage A.C. Motor	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
	IEC 60079-1:2007-04 (Ed 6)	Frame Size 100 and 112	
	IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A C Mater	Evid UD T4 (20% to . E0%) and ashadula
IECEX DAS UO.0100A	IEC 60079-0.2004 (Ed 4.0)	Frame Size 100 and 112	EX UTID 14 (-20 C to +50 C) see schedule
	IEC 60079-1.2007-04 (Ed 4 0)		Ex d IIB T4 (200 to 1500) soo sebadula
ILCENDAS 00.0101A	IEC 60079-1:2004 (Ed 4.0)	Frame Sizes 80 and 90	EX d IID 14 (-200 to +300) see schedule
	IEC 60079-0:2004 (Ed 4 0)	Low Voltage A C Motor	Ex d IIB TA (-20°C to +50°C) see schedule
ILCEN DAS 07.0000A	IEC 60079-1:2007-04 (Ed 6)	Frame Size 132	
IECEX BAS 09 0067X	IEC 60079-0:2004 (Ed 4 0)	A Low Voltage A C. Motor	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
ILOLK BRO CH.COOTK	IEC 60079-1:2007-04 (Ed 6)	Frame Size 132	
	IEC 60079-7:2006-07 (Ed 4)		
IECEX TSA 10.0007X	IEC 60079-0:2004 (Ed 4.0)	Range of HPD Flameproof	Ex d I Mb.
	IEC 60079-1:2007-04 (Ed 6)	Induction Motor frames Size	Ex d IIB T4* Gb
		80 to 315	
IECEx TSA 11.0057X	IEC 60079-0:2007-10 (Ed 5)	Three phase explosion proof	Exd I T * Mb
	IEC 60079-1:2007-04 (Ed 6)	motors Frame sizes CD80,	Exd IIC T* Gb
		CD90,CD100, CD112,CD132,	-55 °C < T amb < +60 °C
		CD160, CD225, CD250,	
		CD280 and CD 315	
IECEx TSA 12.0018X	IEC 60079-0:2007-10 (Ed 5)	Range of Squirrel Cage	Ex e IIC T3 @ (tamb.)40Gb
	IEC 60079-7:2006-07 (Ed 4)	Induction Motor Frames 71	Ex nA IIC T3 @ (Tamb.)40,Gc
	IEC 60079-15:2010 (Ed 4)	to 250	
IECEx CES 10.0023X	IEC 60079-0:2011 (Ed 6.0)	Three-phase and single	Exd IIB T6, T5, T4, T3 Gb
	IEC 60079-1:2007-04 (Ed 6)	phase asynchronous motors	
		supplied by mains or	
		inverter, series MAK 56,	
		MAK 63, MAK 71, MAK 80,	
		IVIAK 90, MAK 100, MAK	
1	1	112, MAK 132, MAK160	

Form 9530 Issue 1

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:



Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx CES 11.0014X	IEC 60079-0:2011 (Ed 6.0)	Three-phase and single	Exd IIC T6, T5, T4, T3 Gb
	IEC 60079-1:2007-04 (Ed 6)	phase asynchronous motors	
		supplied by mains or	
		inverter, series MAK 56,	
		MAK 63, MAK 71, MAK 80,	
		MAK 90, MAK 100, MAK	
		112, MAK 132, MAK160	
IECEX BAS 14.0009X	IEC 60079-0:2011 (Ed 6.0)	Range of SGA induction	Ex e IIC 13 Gb Tamb (-20°C to +40°C (Optionally +50°C)
	IEC 60079-7:2006-07 (Ed 4)	motor of Irames /1 to 315	
		motor of frames 80-280	
IECEX EXA 16 0006X	IEC 60079-0 2011 (Ed 6 0)	Three-phase and single	Ex.d.IIC/IIBT3_T4_T5_T6.Gb.or
	IEC60079-1:2007-04 (Ed 6)	phase motors, brake motors	Ex d e IIC/IIB T3T4T5T6 Gb
	IEC 60079-7:2006-07 (Ed 4)	•	
IECEx BVS 13.0121X	IEC 60079-0:2011 (Ed 6.0)	Flameproof electric motors	Ex d IIC T* Gb or Ex de IIC T* Gb or
	IEC60079-1:2007-04 (Ed 6)	4KT** *** ** */*	Ex d IIB T* Gb or Ex de IIB T* Gb or
	IEC 60079-7:2006-07 (Ed 4)		
IECEx BKI 11.0010	IEC 60079-0:2007-10 (Ed 5)	Power-signal-control unit	Refer to point 3.1. and 3.4 in Addendum to IECEx BKI
	IEC60079-1:2007-04 (Ed 6)	and terminal board family	11.0010
1505 704 07 0044	IEC 60079-11:2006 (Ed 5)		
IECEX ISA 06.0011	IEC 60079-0:2004 (Ed 4)	CCFE/EJB Series of	Ex d [ia Ma] I Mb - 20 °C \leq 1a \leq 55 °C $*$ (stainless steel
	IEC60079-0:2007-10 (Ed 5)	Command, Control and	Existing Columniation of the column of the column of the columniation of the column of
	IEC 60079-0:2011 (EC 6)	Signalling Units	
	IEC 60079-11:2007-04 (Ed 6)		
IECEX TSA 06 0012	IEC 60079-0:2011 (Ed 6)	CCA and GLIB series of	Fx d [ia Ma] I Mb T*- 20 °C < Ta < 55 °C * (stainless steel
ILOEK TOTTOO.0012	IEC60079-1:2007-04 (Ed.6)	Command, Control and	enclosures only)
	IEC 60079-11:2006 (Ed 5)	Signalling Enclosures	Ex d [ia Ga] IIC Gb T*
	IEC 60079-11:2011 (Ed 6)	5 5	
IECEx DEK 13.0075	IEC60079-0:2007-10 (Ed 5)	Control/Distribution panels	Ex d IIB + H2 T6 T3 Gb
	IEC 60079-0:2011 (Ed 6)	series BARTEC B/C/D/E and	Ex d IIC T6 T3 Gb
	IEC 60079-1:2007-04 (Ed 6)	BARTEC B/C/D/E assembly	Ex e IIB / IIC T6 T3 Gb
	IEC60079-2:2007-02 (Ed 5)		
	IEC60079-5:2007-03 (Ed 3)		
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2009 (Ed 3)		
IFCEx INE 13 0070X	IEC 60079-28.2000-08 (EU T)	Enclosures type FIB	Evd IIB+H2 T6 or T5 or T4 or T3 Gb
ILCEX INC 13.0070X	IEC 60079-1:2014-06 (Ed 7 0)	Enclosures type EJD	Exd lia IIA or IIB or IIC Gal IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC 60079-11:2011 (Ed 6.0)		Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEx INE 13.0078X	IEC 60079-0:2011 (Ed 6.0)	Enclosures type EJB	Exd IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC60079-1:2014-06 (Ed 7.0)	51 * *	Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC 60079-11:2011 (Ed 6.0)		Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEx INE 14.0029X	IEC 60079-0:2011 (Ed 6.0)	Enclosures type	Exd (*) IIA or IIB or IIB+H2 T6 or T4 or T3 Gb
	IEC60079-1:2007-04 (Ed 6)	EJB***/EJBX***	
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2011 (Ed 6.0)		
	IEC 60079-28:2006-08 (Ed1)		
IECEX IMQ 14.0010X	IEC 60079-0:2011 (Ed 6.0)	Enclosures with operator	Ex db IIB+H2 14/15/16 Gb
	IEC60070 11:2014-06 (Ed 7.0)	and control station series	EX UD [18 G8] 118+H2 14/15/16 G8
	IEC 60070 0.2004 (Ed 6.0)	EJD Torminal Payor	EX UD [ID GD] IIB+H2 14/15/16 GD
IEGEX SIK UO.UU/4	IEC 00079-0:2004 (E0 4.0)	reittillidi DOXE2	EX IA III U U U U U U U U U U U U U U U U
	IEC 60079-7-2006-07 (Ed 4)		$ = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right) \left(\frac{1}{2} - \frac{1}$
	IEC 60079-11:2006 (Fd 5)		
IECEX SIR 06 0106X	IEC 60079-0:2004 (Ed 4 0)	The GL range of terminal	Ex ia IIC T* Ga (Ta = -**°C to +**°C)
	IEC60079-0:2007-10 (Ed 5)	enclosures	Exell T* Gb (Ta = -**°C to +**°C)
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2006 (Ed 5)		

Date: 27 April 2020

Sira Certification Service

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IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:



Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx PTB 06.0060	IEC 60079-0:2011 (Ed 6.0)	Terminal box, type	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	8125/1***-*** and	Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
	IEC 60079-7:2006-07 (Ed 4)	8125/2***-***	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2009 (Ed 3)		
IECEx PTB 09.0048	IEC 60079-0:2011 (Ed 6.0)	Terminal Box Type 8150/1-	Ex d e ia ib mb IIC, IIB, IIA T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	****-****-***-**** and	Ex db eb ia ib mb IIC, IIB, IIA T6, T5, T4 Gb
	IEC 60079-7:2006-07 (Ed 4)	8150/2-****-***-***-	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2004 (Ed 2.0)		
IECEx PTB 06.0046	IEC 60079-0:2011 (Ed 6.0)	Terminal box, type	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	8146/1***-** and	Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
	IEC 60079-7:2006-07 (Ed 4)	8146/2***-**	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2009 (Ed 3)		
IECEx PTB 06.0026	IEC 60079-0:2011 (Ed 6.0)	Junction and Terminal Boxes	Ex e mb IIC T6, T5, T4 Gb or
	IEC 60079-7:2006-07 (Ed 4)	Type 8118/***-***	Ex eb mb IIC T6, T5, T4
	IEC 60079-11:2006 (Ed 5)		Ex ia ib[ia Ga]IIA, IIB, IIC T6, T5, T4 Gb or
	IEC 60079-18:2009 (Ed 3)		Ex ia ib[ia]IIA, IIB, IIC T6, T5, T4
IECEx SIM 09.0001X	IEC 60079-0:2004 (Ed 4.0)	GOVAN brand - ES/DS &	Refer Annex of certificate IECEx SIM 09.0001X
	IEC 60079-7:2006-07 (Ed 4)	EM/DM Range of Junction	
		Boxes and Control Stations	
IECEx TSA 10.0011	IEC 60079-0:2004 (Ed 4.0)	Increased Safety Junction	Ex e II IP * T6, or
	IEC 60079-7:2006-07 (Ed 4)	Boxes, Series SA and	Ex e II IP * T5 -20 °C ≤ Ta ≤ +55 °C *
		SA/SS	
IECEx SIM 08.0018X	IEC 60079-0:2004 (Ed 4.0)	GOVAN brand - EP/DP	Refer Annex od certificate IECEx SIM 08.0018X
	IEC 60079-7:2006-07 (Ed 4)	Range of Junction Boxes &	
1505 050 10 0001		Control Stations	
IECEX CES 13.0001	IEC 60079-0:2011 (Ed 6.0)	Terminal boxes, series CTB,	Exelic 16 or 15 Gb
	IEC 60079-7:2006-07 (Ed 4)	CSTB and SA	EX IA IIC 16 OF 15 GD
	IEC 60079-11:2011 (Ed 6.0)		EX e là IIC 16 OF 15 GD
IECEX BAS 00.0013X	IEC 60079-0:2011 (EU 0.0)	A Range of Compression	EX UTIC EX \in TIC GD
	IEC 60079-1:2014-06 (Ed 7.0)	Type Cable Glarius	$(-60 \ C \le 12 \le +60 \ C)$ see schedule
	IEC 60079-7.2013 (Ed 5.0)	Type 501/453 LINIV Cable	Ex db IIC Cb
IECEX DAS 00.0014A	IEC 60079-0.2011 (EC 0.0)	Clands	
	IEC 60079-1.2014-00 (Ed 7.0)	Gianus	Ex p B IIC Cc
	IEC 60079-7.2013 (Ed 3.0)		$(60^\circ) < t_2 < 180^\circ$
	IEC 60079-13.2010 (Ed 4)	A range of Barrier Type	
ILCEX DAS 00.0013X	IEC 60079-1:2014-06 (Ed 7 0)	Cable Glands	$(-60^{\circ})^{\circ} < ta < +80^{\circ})^{\circ}$
	IEC 60079-7:2015 (Ed 5.0)		
IECEX BAS 06 0059X	IEC 60079-0:2007-10 (Ed 5)	A Type HA* Barrier Gland	
1202X D/10 00.000 //	IEC 60079-1:2007-04 (Ed 6)	A type that barrier bland	Ex d IIC Ex e IIC Gb Ta -60°C to +80°C
	IEC 60079-7:2006-07 (Ed 4)		
IECEX SIR 13 0023X	IEC 60079-0:2011 (Ed 6 0)	Cable Gland Types A**	ExelMb
	IEC 60079-1:2007-04 (Ed 6)		ExdIMb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
	, <i>, ,</i>		Ex nR IIC Gc
IECEx SIR 13.0026X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types E**	ExelMb
	IEC 60079-1:2007-04 (Ed 6)		Ex d I Mb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
			Ex nR IIC Gc
			Ta -60°C to +130°C
			Ta -20°C to +200°C

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Stolway Pty Ltd

Applicant:



Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
	IEC 60079 0:2011 (Ed 6 0)	Cable Cland Types PX**	ExolMb
ILCEX SIX 13.0027X	IEC 60079-0.2011 (Ed 6.0)	Cable Glarid Types FX	Exertivid
	IEC 60079-7:2006-07 (Ed 4)		Ex e lic GD
	IEC 60079-15:2010 (Ed 4)		EX d IIC GD
			EX NR IIC GC
			Ta -60°C to +85°C
IECEx SIR 13.0028X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types Triton	Ex e I Mb
	IEC 60079-1:2007-04 (Ed 6)	T3** and TE**	ExdIMb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
			Ex nR IIC Gc
			Ta -60°C to +130°C (When fitted with standard seal)
			Ta -20°C to +200°C (When fitted with high temperature
			seal)
IECEx SIR 10.0094X	IEC 60079-0:2007 (Ed 5)	PXFC and PXFC-LTPB Barrier	Ex d IIC Gb
	IEC 60079-1:2007-04 (Ed 6)	Glands for Flexible Conduit	Ex e IIC Gb
	IEC 60079-7:2006-07 (Ed 4)		Ex d IIC Gb
	120 00077 712000 07 (20 1)		Ex e IIC Gb
IECEX BAS 07 0001X	IEC 60079-0:2004 (Ed 4 0)	A Range of Thread Adaptors	
ILCEX DAG 07.000 IX	IEC 60079-1:2003 (Ed 5)	A Range of Thread Adaptors	
	IEC 60079-7:2001 (Ed 3)		
IECEV SID 13 0004Y	IEC 60079 0:2011 (Ed 6 0)	Typo 737 747 757 767 and	Ex d I Mb / Ex o I Mb
ILGEA 3IN 13.0074A	IEC 60079-0.2011 (Ed 6.0)	707 ranges of adapters	
	IEC 60079-1.2007-04 (Ed 0)	reducers and stepping plugs	
	IEC 60079-7.2000-07 (Ed 4)	CT Broatbar Drain	
IECEX 115 13.0018X	IEC 60079-0:2011 (Ed 6.0)	CT Breather Drain	EX 0 I/IIC IVID/GD
	IEC 60079-1:2007-04 (Ed 6)		EX e I/IIC MD/GD
	TEC 60079-7:2006-07 (Ed 4)		
IECEX SIR 09.0096X	IEC 60079-0:2007-10 (Ed 5)	Breather Drain Type CV	Ex e I/IIC MD/GD
	IEC 60079-7:2006-07 (Ed 4)		Ex e I/IIC Gb
IECEX CES 15.0006X	IEC 60079-0:2011 (Ed 6.0)	Adaptors and plugs series	Ex d IIC Gb
	IEC 60079-1:2007-04 (Ed 6)	AD.RE, AD.EN, AD.FF,	Ex e IIC Gb
	IEC 60079-7:2006-07 (Ed 4)	AD.MM, SP.MD	
IECEx BAS 06.0025	IEC 60079-0:2007-10 (Ed 5)	Type KCD2-SR-Ex*.* Switch	[Ex ia Ga] IIC
	IEC 60079-11:2006 (Ed 5)	Amplifier	[Ex ia Ma] I
	IEC 60079-26:2004 (Ed 1)		$-20^{\circ}C \le Ta \le +60^{\circ}C$
IECEx PTB 11.0031	IEC 60079-0:2011 (Ed 6.0)	Isolation switching amplifier	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	type K"A"-SR"-Ex".W."	[Ex ia Ma] I
IECEx TUN 07.0003	IEC 60079-0:2011 (Ed 6.0)	Universal Temperature	[Zone 0] [Ex ia] IIC and [Ex ia] I
	IEC 60079-11:2011 (Ed 6.0)	Module Type KFD2-UT2-Ex*-	
		*	
IECEx IBE 08.0001X	IEC 60079-0:2011 (Ed 6.0)	NAMUR Isolating Amplifier	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	MACX MCR-EX-SL-*	Ex nA nC IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)		
IECEx IBE 10.0004X	IEC 60079-0:2011 (Ed 6.0)	NAMUR Isolating Amplifier	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	Type MACX-MCR/PL-EX-T-	Ex nA nC IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)	U(REL)-UP(-SP)	
IECEX IBE 10.0002X	IEC 60079-0:2011 (Ed 6.0)	Isolating Amplifier MACX	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	MCR-EX-SL-xNAM-yR-UP(-	Ex nA nC IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)	SP)	
IECEx BVS 12.0050X	IEC 60079-0:2011 (Ed 6.0)	Temperatuer Converter type	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I,
	IEC 60079-11:2011 (Ed 6.0)	D5072*, D5072-*, D5072S-	Ex nA nC [ia Ga] IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)	087, D5273S, D5273S-*	
IECEX BVS 10 0072X	IEC 60079-0:2011 (Fd 6 0)	DIN Rail Isolator (extention	ExinA (ia Ga) IIC T4 Gc. [Exia Ma] L
LILL DIG IGGOVEN	IEC 60079-15:2010 (Ed 4)	Relay Output	Ex nA nC [ia Ga] IIC T4 Gc
		Switch/Proximity Detector	. []
		repeaters) type D5****	
		D5****-xxx (extention	
		D5090S-086 D5036*-* /	
		D5037*-*)	

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Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:



Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx UL 06.0013	IEC 60079-0:2004 (Ed 4.0)	BSX- 3-1, 5-1, 8-1, 10-1, 3-2,	Ex e II T5 or T6
	IEC 60079-7:2001 (Ed 3)	5-2, 8-2, 10-2	$-60^{\circ}C \le Tamb \le +55^{\circ}C$
	IEC 62086-1:2001		
IECEx FMG 13.0020	IEC 60079-0:2011(Ed 6.0)	BSX Self regulating Trace	Ex eb IIC T6T5, -60°C to +55°C
	IEC 60079-30-1:2007-01 (Ed	Heaters	
	1)		
IECEx PTB 07.0057X	IEC 60079-0:2004 (Ed 4.0)	Actuator model S, type EX	Ex d [ia] IIC T6, T5 and T4
	IEC 60079-1:2003 (Ed 5)	MAX/	
	IEC 60079-11:2006 (Ed 5)		

Conditions of Manufacture

The Manufacturer shall comply with the following:

- 1. The marking, ambient temperature range, group, category, safety description, relevant electrical safety parameters and warnings will be included in the marking. The most onerous values shall take precedence.
- 2. This certificate relies on previously certified products. When they are used as part of this equipment, they shall still be covered by their original certificates.
- 3. The manufacturer shall ensure that any blanking elements or cable glands fitted have suitable service temperatures, when considering all equipment fitted and conditions on certificates.
- 4. The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification associated with the equipment. In addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted in the equipment.
- The assembly manufacturer shall address the relevant conditions of use in the permitted Ex equipment certificates as specified in schedule document 60107-STD-EL-SC-321 for installation according to IECEx SIR 11.0155X.

Specific Conditions Of Use

The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
IECEx TSA 07.0060X	The following input parameters shall be taken into account during installation: Type SX024DC: Ui = 26.4 V d.c. Type SX024DC(CS): Ui = 26.4 V d.c Type SX110AC: Um = 132 V rms Type SX230AC: Um = 250 V rms
IECEx LCI 06.0004X	Ambient temperature range: $-40^{\circ}C \le Tamb \le +80^{\circ}C$
IECEx BAS 08.0096X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEx BAS 08.0097X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:

Sira GROUP"

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use	
IECEX BAS 08.0097X	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.	
IECEx BAS 08.0100X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1	
	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.	
IECEx BAS 08.0101X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1	
	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.	
IECEx BAS 09.0066X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard	
	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.	
IECEx BAS 09.0067X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard.	
	a minimum of IP54 level of ingress protection.	
	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.	
IECEx TSA 10.0007X	The flame path dimensions are detailed in IECEx test report AU/TSA/ExTR10.0014/00 Attachment A and shall comply with the manufacturer's drawings listed below	
IECEX TSA 11.0057X	The flameproof joints parameters shall be in accordance with the manufacturer drawings list. It is a condition of safe use that the operation of motor with drain holes is only allowed with drain holes acrows in place and acrossful tight and	
IECEx CES 10.0023X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.	
IECEx CES 11.0014X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.	
IECEx BAS 14.0009X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge	

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Applicant:

Apparatus:

Stolway Pty Ltd



Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEx EXA 16.0006X	The flame paths are specified on the manufacturer's drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
	In special cases the suitable paint system is not in compliance to thickness limit indicated for gas group IIC. In order to minimize risk of hazards caused by electrostatic charges, clean motor only with a wet rag or by non-frictional means.
IECEx BVS 13.0121X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of IEC 60079- 1:2007. For information of the dimensions of the flameproof joints contact the manufacturer. Fasteners with a minimum yield stress of 640N/mm ² must be used for the closing of the flameproof enclosure
IECEx BKI 11.0010	The enclosure(s) must not open or dismantle while it is energised
IECEX INE 13.0070X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEX INE 13.0078X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEX INE 14.0029X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
IECEX IMQ 14.0010X	For enclosures EJBA and EJBS: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.
	For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: • UPB2 actual 25,5 mm vs 25 mm • UPBL actual 29 mm vs 25 mm • UHLB and UHB: actual 35 mm vs 25 mm • UHS actual 32 mm vs 25 mm • UVD actual 27 mm vs 25 mm • UVB actual 28 mm vs 25 mm
IECEx SIR 06.0074	Intrinsically safe and non-intrinsically safe circuits which are fitted within the same enclosure shall be separated as required by IEC 60079-14.

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Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:



Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEx SIR 06.0106X	Intrinsically safe and non-intrinsically safe circuits fitted within the same
IECEx PTB 06.0060	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets. Equipment of the type of protection Intrinsic Safety "i" shall be installed in such a way that the clearances and creepage distances between intrinsically safe and non intrinsically cafe circuits as set forth in LEC 60070.14 are duly
	accounted for.
	temperatures, are used. Additional instructions of the manufacturer have be followed.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Terminal boxes with a coating out polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEx PTB 09.0048	The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the specifications.
	When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.
	The Terminal Box with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEx PTB 06.0046	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets.
	If clearance requirements for the connectors as specified in IEC 60079-11 cannot be safeguarded with the system installation and layout, wiring that meets the quality criteria Increased Safety "e" shall be used, or the wiring shall be of the fail-safe type.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Only such – separately certified – gaskets and – separately certified – built-in and built-in parts, suitable for these temperatures, are used. Additional instructions of the manufacturer have be followed.
	Terminal boxes containing fuses and/or, beside the usual non-intrinsically safe circuits, intrinsically safe circuits, are provided with an additional marking.
	The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1 s).

Form 9530 Issue 1

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:



Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEx PTB 06.0026	The maximum number of conductors that can be used for each enclosure size
	is subject to the cross-section and the admissible current rating and is shown
	In the attached specification sheets.
	The surface resistance of the material used for the enclosure is 1013 Ohm.
TECEX STIVI 09.000TX	The square polycarbonate window, fitted in the ES/DS range of enclosures,
	and the second terms and ter
	accordance with the manufacturer's instruction manual
	Suitable heat resistant cables and cable glands, with a continuous operating
	temperature of at least 95°C must be used at the entry point for the Range of
	ES/DS enclosures with temperature classification T5/T95°C.
	The following limiting parameters apply when the equipment is fitted with a
	window, Ammeter Type AWAM2 (IECEx BAS 07.0043U) or Fuse Type 8560/
	(IECEx PTB 06.0056U):
	-A short circuit protection device, rated at not greater than 10A, must be fitted
	in series with the Ammeter.
IECEx SIM 08.0018X	The equipment was submitted to tests corresponding to the low risk of
	mechanical impact and this must be observed at installation.
	The square polycarbonate window, when fitted in the enclosures, may
	conditions. The user must ensure that the equipment is installed and used in
	accordance with the manufacturer's instruction manual
	Suitable heat-resistant cables and cable glands, with a continuous operating
	temperature of at least 95 ° C must be used at the entry point for the Range of
	EP/DP enclosures with temperature classification T5/T95 °C
	The following limiting parameters apply when the equipment is fitted with the
	window option and/or Ammeter Type AWAM2 (IECEx BAS 07.0043U):
	- A short circuit protection device, rated at not greater than 10A, must be fitted
	in series with the Ammeter.
	The EP/DP1511 & EP/DP2315 models were submitted to tests corresponding to
	the low fisk of mechanical danger and this must be observed at installation.
TECEX CES 13.0001	protection IP66 and shall be suitably certified
	When selecting the permitted continuous current for cross-section, the
	maximum permitted electrical current for the terminals and the connecting
	cable or conductor should be taken into consideration. The terminals shall be
	fitted in accordance with the manufacturer's instructions and, when installed
	they shall have the minimum clearance and creepage distances required by
	Table 1 of IEC 60079-7 standard.
	For terminal boxes with type of protection Ex i the distances between Intrinsic
	Safety circuits and on-intrinsic Safety circuits or between separate intrinsic
	salety circuits shall be according to TEC 60079-11 standard. Intrinsically safe
	shall be light blue for the intrinsically safe connections
	The service temperature range of the terminals used shall be taken into
	consideration.

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:



Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
	Installation instruction document F-375 provides details of dielectric strength routine tests of 2U+1000Vac with a minimum value of 1500V Vac between the supply terminals and earth.
IECEx BAS 06.0013X	Except for PSG glands, all glands are suitable for use within an operating temperature range of -60°C to +100°C. The PSG range of glands are limited to an operating temperature range of -60°C to +80°C. Except for the 501/421R glands, all glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting The type 8430-501/453 J M100 gland as per variation 2.1 may only be used for
	fixed cable installations of group II equipment. The user shall ensure that the cable is effectively clamped to prevent pulling and twisting. When used in accordance with variation 8.1 the types 501/421 and 501/423 cable glands, with the exception of the type 501/421R, are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting. The type 501/421R has an integral clamping arrangement which precludes the requirement of this specific condition of use.
	When used in accordance with variation 8.2 the types 501/453 RAC cable glands are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting.
IECEX SIR 13.0026X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 13.0027X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
	When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device. When assembled for fitting to flexible conduit, the conduit shall be effectively
IECEx SIR 13.0028X	clamped to prevent twisting and pulling. The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
	When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 10.0094X	The PXFC cable entries are only suitable for fixed installations. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.

Form 9530 Issue 1

Sira Certification Service

IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units



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IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:

Sira GROUP"

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEX IBE 08.0001X	The operation of the switches and of the jack connector as well as the connecting and disconnecting of energised non-energy limited circuits is only permitted during installation, for maintenance or for repair purposes (see warning label)
IECEX IBE 10.0004X	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
	Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IECEX IBE 10.0002X	Connecting and disconnecting of not intrinsically safe circuits are not allowed in energized state of the Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP).
IECEX BVS 12.0050X	The installation of the Temperature Converters shall be carried out in such a way that the clearance of uninsulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3mm, and uninsulated conductors of non intrinsically safe circuits of other apparatus are situated at least 50mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC60079-11:2012
IECEx BVS 10.0072X	The installation of DIN Rail Isolators of type series D5****, D5****-xxx shall be carried out in such a way that the clearances of un-insulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3 mm, and un-insulated conductors of non-intrinsically safe circuits of other apparatus are situated at least 50 mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC 60079-11:2011.
IECEX PTB 07.0057X	For repair of the flamepaths joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the value in tables 1 and 2 of EN 60079-1 is not accepted.

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IECEx SIR 11.0155X Issue 3

Stolway Pty Ltd

Applicant:



Apparatus:

Annexe to:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Full Certificate Change History

Issue 1 – this Issue introduced the following changes:

- 1. The introduction of additional IECEx devices and amendment of the Item description on previously listed devices used in the construction of the Air Conditioning and Water Chiller Units.
- 2. To replace the T class noted in the Marking, with 'T*'.

Issue 2 – this Issue introduced the following changes:

- 1. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
- 2. The equipment that is permitted for installation under IECEx 11.0155X is updated as detailed in the ANNEXE Issue 2.
- 3. Assessment of the Type ST equipment assemblies for compliance with the requirements of IEC 60079 0:2011 and IEC 60079-14:2013.
- 4. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx ExTAG DS 2015/001A.
- 5. Change the certification code from "Ex d e [ia] mb IIB+H2 T*" to "Ex II* T* Gb" in accordance with the re-assessment.

Issue 3 – this Issue introduced the following change:

1. Change of Applicant & Manufacturers address;

From	То
9 Charcoal Close	Warehouse 2
PO Box 1197	91-95 Montague St
Unanderra	Wollongong
NSW 2526	NSW 2500
Australia	Australia

Sira Certification Service



CERTIFICATION

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx SIR 11.0155X	issue No.:2	Certificate history: Issue No 2 (2017-4-4)			
Status:	Current]	Issue No. 1 (2013-9-30) Issue No. 0 (2012-7-16)			
Date of Issue:	2017-04-04	Page 1 of 4				
Applicant:	Stolway Pty. Limited 9 Charcoal Close Unanderra 2526 Australia	d				
Equipment: Optional accessory:	Type 'ST' Air Conditic	oning Units (HVAC) & Type 'ST' W	/ater Chiller Units			
Type of Protection:	Flameproof, Increase	d Safety, Intrinsic Safety & Encap	sulation			
Marking:	 Ex II* T* Gb (Ta = -*°C to +*°C) Notes: 1.* The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted 2. The marking that is shown is a typical example since the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit; see the description of equipment and conditions of manufacture. 3. Compliance with the relevant standard relies on the fact that the devices used in the construction of this Equipment (see description in the certificate) are previously certified, UC 60078-0 was referenced for quidance in respect of marking 					
Approved for issue on b Certification Body:	ehalf of the IECEx	N Jones				
Position:		Certification Manager				
Signature: (for printed version)		r.r.	A.G. BoyES			
Date:		2017-04	4-04			
 This certificate and so This certificate is not The Status and author 	chedule may only be repro transferable and remains t anticity of this certificate ma	oduced in full. the property of the issuing body, ay be verified by visiting the Official	IECEx Website.			
Certificate issued by SIRA Certification Service CSA Group Unit 6, Hawarden Industrial Park Hawarden Deeside CH5 3US						

United Kingdom



	IECEX	IECEx Certificate of Conformity
Certificate No.:	IECEx SIR 11.0155X	κ.
Date of Issue:	2017-04-04	Issue No.: 2 Page 3 of 4
		Schedule
EQUIPMENT: Equipment and systems co	overed by this certificate are as	s follows:
Refer to the ANNEXE for t	he Equipment description and	Conditions of Manufacture.
	····	
SPECIFIC CONDITIONS O	OF USE: YES as shown below	w:
Refer to the ANNEXE for the	he Specific Conditions Of Use	



IECEx SIR 11.0155X Issue 2

Stolway Holdings Pty Ltd



Applicant:

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to th			hay be applied to the
		Concept Conceptual Telase			Amh temn
Compressor assembly	16CEX SID 07 0005	Evid		T3 or T4	$-20 \text{ to } +60^{\circ}\text{C}$
Heater assembly		EVA	IIC TIC	T3 or	-40 to $+55^{\circ}$ C or
Heater assembly	ILCEX SIR 10.0022A	LAC	iic	T5	-40 to +44°C
Solenoid (Refrigeration)	IECEX TSA 07 0060X	Ex ma	IIC	T4	-40 to +60°C
Solehold (Reingeration)		Ex mb	lic	T4	-40 to +60°C
Motor	IECEX TSA 06.0034X	Exe	II	T3	-20 to +50°C
					-20 to +60°C
Motor	IECEx TSA 06.0035X	Ex e	II	Т3	-20 to +50°C
					-20 to +60°C
Motor	IECEx CES 09.0007	Ex d	IIC	T4 or T3	-20 to +60°C
		Ex de	·		
Motor	IECEx CES 10.0014	Ex d	IIC	T6, T5,	-20 to +60°C
		Ex de		T4 or	
				T30	
Motor	IECEx CES 10.0015	EEx d or	IIB	T6, T5,	-20 to +80°C
		EEx de		T4 or	-20 to +60°C
			110	130	20 ha 1 0000
Motor	IECEX CES 10.0023X	Exd	IIB	16, 15,	-20 to +80°C
		- Dud			Defer to cortificate
Electrical enclosure	TECEX BKI 06.0009	EX U		T4 or T2	Refer to certificate
Floatrical analogues	JECEN BKI 00 000E		TTR + H2	T6 T5	Pofer to certificate
Electrical enclosure	IECEX BAI 09.0005	Ex d [ia]		T4 or T3	Kerer to certificate
Electrical anclosure	IECEX KEM 07 0051X	Exd	TIB + H2	T6 T4	-20 to +60°C
			TIB	T6 T4	-55 to +60°C
lunction boxes	IECEx SIR 06.0074	Exe	II	T6. T5.	Refer to certificate
Sunction Boxes		Exia	IIC	T4 or T3	
Junction boxes	IECEx SIR 06.0106X	Exe	II	T6, T5,	Refer to certificate
		Ex ia	IIC	T4	
Junction boxes	IECEx PTB 06.0060	Ex d e ia/ib	IIC,IIB,IIA	T6, T5,	Refer to certificate
				T4	
Junction boxes	IECEx PTB 09.0048	Ex d e ia/ib	IIC,IIB,IIA	T6, T5,	Refer to certificate
				T4	
Junction boxes	IECEx PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5,	Refer to certificate
				T4	
Cable glands	IECEx BAS 06.0013X	Ex d	IIC	N/A	-60 to +80°C
		Ex e			
Cable glands	IECEX BAS 06.0014X	Ex d	IIC	N/A	-60 to +80°C
		Exe			60.1 00000
Cable glands	IECEX BAS 06.0015X	Ex d	IIC	N/A	-60 to +80°C
		Exe		N1/A	C0 to 112000
Cable glands	IECEX SIR 07.0005X	Ex d		N/A	-00 to +130°C
California da		Exe		NI/A	60 to 112000
Cable glands	TECEX SIR 06.0039X			IN/A	-00 10 +130-C
Cable clands	JECEY SID OF 0044X	Evd		N/A	-60 to +85°C
	LECEX SIR UD.0044X	EXU		IN/A	-00 10 +05 C
		LXE	11		

Date: 04 April 2017

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IECEx SIR 11.0155X Issue 2

Stolway Holdings Pty Ltd



Applicant:

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Cable glands	IECEx SIR10.0094X	Ex d Ex e	IIC	N/A	-60 to +85°C
Cable glands	IECEx BAS 06.0059X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Plugs/Reducers	IECEX BAS 07.0001X	Ex d Ex e	IIC II	N/A	•
Plugs/Reducers	IECEx SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEx SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEx SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	IECEx BAS 06.0025	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx PTB 11.0031	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx TUN 07.0003	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEx BAS 07.0067	[Ex ia Ga]	IIC	N/A	-20 to +60°C
IS barrier	IECEX IBE 10.0004X	[Ex ia] Ex nAC	IIC	T4	-20 to +65°C
IS barrier	IECEX IBE 10.0002X	[Ex ia] Ex nAC	IIC	T4	-20 to +60°C
Self-regulated heating cable	IECEx UL 06.0013	Ex e	II	T5 or T6	-60 to +55°C

① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/C annexed to the IECEx certificate.

The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/B annexed to the IECEx certificate.

Date: 04 April 2017

Sira Certification Service

IECEx SIR 11.0155X Issue 2



Applicant:

Stolway Holdings Pty Ltd

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Issue 1 - The following table lists the introduction of additional IECEx devices and amendment of the Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Itom	Certificate No	Summary of appropriate marking that may be applied to the ST' Units and is covered by the specified certificates			
Item	Certificate No.	Concept	Gas group	T class	Amb. temp.
Solenoid	IECEX PTB 04.0002X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	IECEx BAS 08.0096X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0097X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0100X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0101X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0066X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0067X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEx TSA 10.0007X	Ex d	IIB	T4 or T5	-20 to +40°C
Motor	IECEX TSA 11.0057X	Ex d	IIC	T*	-55 to +60°C
Motor	IECEX TSA 12.0018X	Ex e	IIC	T3	-20 to +40°C
Motor	IECEx CES 11.0014X	Ex d	IIC	T6, T5, T4 or T3	-20 to +60°C
Electrical enclosure	IECEX BKI 11.0010	Ex db Ex db [ia] Ex db [ib]	IIC	т6т3	Refer to certificate
Electrical enclosure	IECEX SIM 03.0000X	Ex d	IIB+H2	T6 or T5	Refer to certificate
Electrical enclosure	IECEx TSA 06.0011	Ex d Ex d [ia]	IIB+H2	Refer to certificate	Refer to certificate
Electrical enclosure	IECEx TSA 06.0012	Ex d	IIC	T6 or T5	Refer to certificate
Junction box / Enclosure •	IECEx SIR 06.0074	Ex e Ex ia	II IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure •	IECEx SIR 06.0106X	Ex e Ex ia	II IIC	Т6, Т5, Т4	Refer to certificate
Junction box / Enclosure	IECEX INE 11.0016	Ex d e ia/ib ib mb	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	IECEX ITA 08.0005X	Ex e	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEX ITA 08.0006X	Exe	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEx KEM 10.0019	Ex eb Ex ia Ex eb ia	IIC	т6Т4	Refer to certificate
Junction box / Enclosure •	IECEX PTB 06.0060	Ex d e ia/ib	IIC,IIB,IIA	Т6, Т5, Т4	Refer to certificate
Junction box / Enclosure •	IECEx PTB 09.0048	Ex d e ia/ib	IIC,IIB,IIA	Т6, Т5, Т4	Refer to certificate
Junction box / Enclosure •	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEx PTB 06.0026	Ex e mb Ex ia ib [ia]	IIC IIC/IIB/IIA	Т6, Т5, Т4	Refer to certificate
Junction box / Enclosure	IECEX SIM 09.0001X	Ex e	II IIC	T6, T5 or T4	Refer to certificate

Date: 04 April 2017 Page 3 of 16

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus:

Type `ST' Air conditioning units (HVAC) Type `ST' Water chiller units

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction box / Enclosure	IECEx TSA 10.0011	Ex e	II	T6 or T5	Refer to certificate
Plug / Reducer / Accessory *	IECEX BAS 07.0001X	Ex d	IIC	N/A	•
		Ex e	II		
Plug / Reducer / Accessory	IECEX ITS 13.0018U	Ex d	II	N/A	Refer to certificate
		Ex e	IIC		
Plug / Reducer / Accessory	IECEx SIM 07.0003U	Ex d	IIB+H2	N/A	-20 to +40°C
		Ex e	IIC		
Plug / Reducer / Accessory *	IECEx SIR 09.0032U	Ex d	IIC	N/A	Refer to certificate
		Ex e			
Plug / Reducer / Accessory *	IECEx SIR 05.0042U	Ex d	IIC	N/A	Refer to certificate
		Ex e			
Plug / Reducer / Accessory	IECEx SIR 07.0052X	Ex d	IIC	N/A	Refer to certificate
		Ex e	II	·	· · · · · · · · · · · · · · · · · · ·
Plug / Reducer / Accessory •	IECEx SIR 07.0056X	Ex d	IIC	N/A	Refer to certificate
5.		Ex e	II		
Plug / Reducer / Accessory	IECEx SIR 08.0127U	Ex e	IIC	N/A	Refer to certificate
		Ex d			
IS barrier	IECEX IBE 08.0001X	[Ex ia]	IIC	T4	-20 to +60°C
		Ex nA nC			

Date: 04 April 2017

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Issue 2 – the equipment that is permitted for installation under IECEx 11.0155X has been updated as follows:

IECES VBR 07.0005 IEC 60079-0:2002 (ef 4.0) Compressort Assembly Ex d III-12 IP66 14 (1 = -20 to -45°C) IECES VBR 10.0022X IEC 60079-0:2007-10 (Ef 3.0) Heating Element Assembly Ex e III CT 3 Gb (Ta = 40°C to -44°C) IECES VBR 07.0060X IEC 60079-0:2004 (Ef 4.0) Solenoid Coll Ex e III CT 3 Gb (Ta = 40°C to -44°C) IECES VDR 07.0060X IEC 60079-0:2004 (Ef 4.0) Solenoid Coll Ex m III CT 4 (Ta=60 degC) IP66 (for types SX024DC (2s)) or IECES VDR 04.0022X IEC 60079-0:2007-10 (Ef 5) Solenoid Coll Ex m III CT 4 (Ta=60 degC) IP66 (for types SX110AC and SX220AC) IECES VDR 04.0022X IEC 60079-0:2007-10 (Ef 5) Solenoid operator, Type Ex m III CT 4 (Ta=60 degC) IP66 (for types SX110AC and SX20AC) IECES VDR 04.0022X IEC 60079-0:2007-10 (Ef 5) IEC 60079-0:2007-10 (Ef 5) Ex m III CT 4 (Ta =60 degC) IP66 (for types SX110AC and SX20AC) IECES VDR 05.0005X IEC 60079-0:2007-10 (Ef 5) IEC 60079-0:2007-10 (Ef 3) Ex mol IIC Ta (Ta =50 degC) IP60 (for types SX110AC and SX20AC) IECES VDR 05.0005X IEC 60079-0:2007-10 (Ef 3) Solenoid operator, Type Ex d III Ta (Ta =50 degC) IP60 (for types SX110AC and SX20AC) IECES VDR 05.0005X IEC 60079-0:2004 (Ef 4.0) A Low Voltage A.C. Motor Ex d III Ta (Ta =50 degC)	Certificate	Standard Edition	Description	Ex Marking
IECE S079-12:003 (Ed. 5.0) Heating Element Assembly Exe IIC T3 Gb (Ta = -40°C to -55°C) IECE S079-12:003 (Ed. 4.0) Solenoid Coil Exe IIC T3 Gb (Ta = -40°C to -55°C) IECE S079-12:003 (Ed. 4.0) Solenoid Coil Exe IIC T3 Gb (Ta = -40°C to -55°C) IECE S079-12:003 (Ed. 4.0) Solenoid Coil Solenoid Coil Solenoid Coil IECE S079-12:003 (Ed. 2.0) Solenoid Coil Solenoid Coil Solenoid Coil IECE S079-12:003 (Ed. 2.0) Solenoid Coil Exe IIC T3 (Ta =-60 (Ta -60 (Ta	IECEx SIR 07.0095	IEC 60079-0:2004 (Ed 4.0)	Compressor Assembly	Ex d IIB+H2 IP66 T4 (Ta= -20 to +60°C)
IECES N3 10.0022X IEC 50079-0:2007-10 [Ed 5:0) Heating Element Assembly IEC 60079-7:2006-07 [Ed 4.0) Exe (IC T3 60 [T3 = -407C to +54°C] IECES TSA 07.0060X IEC 60079-0:2004 [Ed 4.0) Solenoid Coil Exe (IC T3 60 [T3 = -407C to +44°C] IECES TSA 07.0060X IEC 60079-0:2004 [Ed 4.0) Solenoid Coil Exe (IC T3 60 [T3 = -407C to +54°C] IECES TSA 07.0060X IEC 60079-0:2007-10 [Ed 5] Solenoid Coil Exe (IC T3 60 [T3 = -407C to +54°C] IECES TSA 07.0060X IEC 60079-0:2007-10 [Ed 5] Solenoid, type 0515.and Exm bit IC T4 (Ta=60 degC) IP66 (for types SX110AC and SX230AC] IECES LCI 06.0004X IEC 60079-0:2007-10 [Ed 5] Solenoid, type 0515.and Exm bit IIC T80°C, T95°C, T130°C IECES LCI 06.0004X IEC 60079-1:2007-04 [Ed 5] Solenoid operator, Type Exm bit IIC T95°C, T130°C IECES PTB 05.0006X IEC 60079-1:2007-04 [Ed 4] Solenoid operator, Type Exm bit IIC T3°C to +50°C] see schedule IECES BAS 08.0005X IEC 60079-0:2004 [Ed 4] A Low Voltage A.C. Motor Exm bit IIC T4 [Tamb-20°C to +50°C] see schedule IECES BAS 08.0005X IEC 60079-0:2004 [Ed 4] A Low Voltage A.C. Motor Exd IIC T4 [Tamb-20°C to +50°C] see schedule IECES BAS 08.0005X IEC 60079-0:2004 [Ed		IEC 60079-1:2003 (Ed 5.0)		
IECE 60079-7:2060-07 (Ed 4.0) Exe a IIC TS 66 (Tr = -40°C to +44°C) IECEX TSA 07:0060X IEC 60079-18:2004 (Ed 2.0) Solenoid Coil Ex ma IIC TA (TI-E60 degC) IP66 (for types SX2240C and SX2240C(SI) or Um = 1324x0C (SX2240C) IECEX PTB 04:002X IEC 60079-0:2007-10 (Ed 5) Solenoid, type 0515.and Ex mb IIC TA (TI-E60 degC) IP66 (for types SX110AC and SX2240C(SI) or Um = 1324x0C) (SX2240C) IECEX PTB 04:002X IEC 60079-0:2007-10 (Ed 5) Solenoid, type 0515.and Ex mb IIC T6, T5, T4 IECEX PTB 04:002X IEC 60079-0:2007-10 (Ed 5) Electrovalves - Type: Ex mb IIC T6, T5, T4 IECEX PTB 05:006X IEC 60079-0:2007-10 (Ed 5) Electrovalves - Type: Ex d mb IECEX PTB 05:006X IEC 60079-0:2001 (Ed 4.0) Alow Voitage AC. Motor Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08:0097X IEC 60079-0:2004 (Ed 4.0) A Low Voitage AC. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08:0007X IEC 60079-0:2004 (Ed 4.0) A Low Voitage AC. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08:010XI IEC 60079-0:2004 (Ed 4.0) A Low Voitage AC. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09:006XI IEC 60079-0:2004 (Ed 4.0) A Low Voitage AC. Motor	IECEx SIR 10.0022X	IEC 60079-0:2007-10 (Ed 5.0)	Heating Element Assembly	Ex e IIC T3 Gb (Ta = -40°C to +55°C)
IECEX TSA 07.0000X IEC 50079-0.2004 (Ed 4.0) Solenoid Coll Ex mail C 14 (Ta=60 degC) (196 (for types SX0240C and SX0240C(S)) or IECEX TSA 07.0000X IEC 50079-18.2004 (Ed 2.0) Solenoid Coll Solenoid Coll Status (174 (Ta=60 degC)) (196 (for types SX110AC and SX220AC) or 250VAC 50/60Hz (SX20AC) IECEX PTB 04.0002X IEC 60079-0-2007-10 (Ed 5) Solenoid (type 0515and type 1215) Ex mbit IC T6, T5, T4 Ex mbit C 16, T5, T4 IECEX LCI 06.0004X IEC 60079-12007-04 (Ed 6) Fettorsalves - Type : EX dm IL EX mbit IC T6, T5, T4 IECE ND 79.02007-10 (Ed 5) IECetrovalves - Type : EX mbit IC T6, T5, T4 EX mbit IC T5, T4 and EX mbit III (T95°C, T130°C or 2007-10 (Ed 5) IECEX PTB 05.0006X IEC 60079-12007-4 (Ed 6) Solenoid operator, Type im Size 30 and 90 EX mbit IC T5, T4 and EX mbit III (T95°C, T130°C or 50°C) see schedule IECEX BAS 08.0096X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor im Size 30 and 90 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0006X IEC 60079-12007-40 (Ed 6) Frame Size 100 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 09.006X IEC 60079-12007-40 (Ed 6) Frame Size 100 and 112 Ex de III T4 (-20°C to +50°C) see schedule IECEX BAS 09.006X		IEC 60079-7:2006-07 (Ed 4.0)		Ex e IIC T5 Gb (Ta = -40°C to +44°C)
IECE 60079-18:2004 (Ed 2.0) SN2420C(SI) or Exm III CT 417=60 degC) IP66 (for types SX110AC and SX230AC) SN2420C(SI) or Exm III CT 417=60 degC) IP66 (for types SX110AC and SX230AC) IECEX PTB 04.0002X IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) Solenoid, type 0515.and type 1215 Exm III CT 417=60 degC) III CT 80 Exm III CT 417=60 degC) III CT 80 IECEX PTB 04.0002X IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) Electrovalves - Type: IEC 60079-18:2009 (Ed 3) Exm III CT 80 III CT 90 IECE 8045 08.0090X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC	IECEx TSA 07.0060X	IEC 60079-0:2004 (Ed 4.0)	Solenoid Coil	Ex ma IIC T4 (Ta=60 degC) IP66 (for types SX024DC and
Exc mb Exc mb<		IEC 60079-18:2004 (Ed 2.0)		SX024DC(CS)) or
IECEX PTB 04.0002X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-01 (Ed 5) IEC 60079-1:2007-01 (Ed 6) IEC 60079-1:2007-01 (Ed 6) IEC 60079-1:2007-01 (Ed 6) IEC 60079-1:2007-01 (Ed 5) IEC 60079-1:2007-01 (Ed 6) IEC 60079-1:2007-01 (Ed 7) IEC 60079-1:2007-01 (Ed 6) IEC 60079-1:2007-01 (Ed 7) IEC 60079-1:2007				Ex mb IIC T4 (Ta=60 degC) IP66 (for types SX110AC and
IECEX PTB 04.0002X IEC 60079-0:2007-10 [Ed 5] IEC 60079-0:2007-10 [Ed 6] IEC 60079-0:2007-10 [Ed 7] IEC 60079-0:2007-10 [Ed 9] IEC 60079-0:2007				SX230AC)
IECEX PTB 04.0002X IEC 50079-0.2007-10 (Ed 5) IEC 60079-13:2009 (Ed 3) Solenoid, type 0515. and type 1215 Karl IC T6, T5, T4 Ex mb to IIIC T6, T5, T4 Ex mb to IIIC T6, T5, T4 Ex mb to IIIC T8, T5, T4 IEC 60079-13:2009 (Ed 3) IECEX PTB 05.0005X IEC 60079-0.2007-10 (Ed 5) IEC 60079-13:2009 (Ed 3) Electrovalves - Type: /495900cr/495905 Ex d mb IIC T* Gb IECEX PTB 05.0005X IEC 60079-0.2004 (Ed 4.0) IEC 60079-12007-04 (Ed 6) IEC 60079-0.2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 80 and 90 Ex d IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0095X IEC 60079-0.2004 (Ed 4.0) IEC 60079-1.2007-04 (Ed 6) IEC 60079-0.2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0005X IEC 60079-0.2004 (Ed 4.0) IEC 60079-1.2007-04 (Ed 6) IEC 60079-1.20				Ta = -40 to +60 degC
IECEX PTB 04.0002X IEC 60079-0.2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) Solenoid, type 0515.and tec 60079-18:2009 (Ed 3) Ex mb IIC 75, 74 Ex d IIC 74 (Tamb -20°C to +50°C) see schedule Ex d IIB 74 (-20°C to +50°C				Ui = 26.4VDC (SX024DC and SX024DC(CS)) or
IECE NPTB 04.0002X IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) Solenoid, type 0515and type 1215 Ex Mb IIC T6, T5, T4 Ex mb to IIC T6, T5, T4 IEC 60079-18:2009 (Ed 3) IECEX PTB 05.0006X IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) Electrovalves - Type : /495900or/495905 Ex d mb IIC T7 Gb IECEX PTB 05.0006X IEC 60079-0:2004 (Ed 40) IEC 60079-18:2009 (Ed 3) Solenoid operator, Type 0513, 1213, 0514 and 1214 Ex d mb IIC T5, T4 and Ex mb to IIIC T95°C, T130°C Ex mb IIC T5, T4 and Ex mb to IIIC T95°C, T130°C Ex mb IIC T5, T4 and Ex mb to IIIC T95°C, T130°C Db IECEX BAS 08.0095X IEC 60079-0:2004 (Ed 40) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:200				Um = 132VAC 50/60Hz (SX120AC) or 250VAC 50/60Hz
IECE NPTB 04.002X IEC 60079-0:2007-10 [Ed 5] Solenoid, type 0513and type 1215 Ex mo ILC 15, 14 (PS5 IECEX LCI 06.0004X IEC 60079-100(7-010 [Ed 5] IELectrovalues - Type: IEC 60079-12007-01 [Ed 5] K m bit III (T 80°C, T95°C, T130°C (PS5 IECEX PTB 05.0006X IEC 60079-12007-01 [Ed 5] Solenoid operator, Type: IEC 60079-12007-01 [Ed 5] K m bit III (T 76 Gb IECEX PTB 05.0006X IEC 60079-0:2007-10 [Ed 5] Solenoid operator, Type: 0513, 1213, 0514 and 1214 K m bit IIC T5, T4 and Ex mb tb IIIC T95°C, T130°C or K mb IIC T5, T4 Gb and Ex mb tb IIIC T95°C, T130°C Db IECEX BAS 08.0095X IEC 60079-0:2007-10 [Ed 4] A Low Voltage A.C. Motor Frame Size 00 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0007X IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor Frame Size 100 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor Frame Size 80 and 90 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0066X IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 10.0077<				(SX230AC)
IEC 60079-13:2007-40:2007-10:2017-40:20	IECEX PTB 04.0002X	IEC 60079-0:2007-10 (Ed 5)	Solenoid, type 0515and	Ex mb IIC 16, 15, 14
IECEX LCI 06.0004X IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) IEC 60079-19:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3) IEC 60079-18:2009 (Ed 3) IECEX PTB 05.0006X IEC 60079-18:2009 (Ed 3) Solenoid operator, Type 0513, 1213, 0514 and 1214 Kx dmb IECEX PTB 05.0006X IEC 60079-0:2007-10 (Ed 5) Solenoid operator, Type 0513, 1213, 0514 and 1214 Kx mb IIC T5, T4 and Ex mb tb IIIC T95°C, T130°C or Fx mb IIC T5, T4 Gb Kx mb IIC T5, T4 Gb and Ex mb tb IIIC T95°C, T130°C DB IECEX BAS 08.0096X IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 00 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-1:2007-04 (Ed 4.0) IEC 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor IEC 60079-1:2007-04 (Ed 4.0) Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0005X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor IEC 60079-1:2007-04 (Ed 6) Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0065X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor IEC 60079-0:2004 (Ed 4.0) Ex dow Voltage A.C. Motor IEC 60079-0:2004		IEC 60079-18:2009 (Ed 3)	type 1215	Ex mb tb IIIC 180°C, 195°C, 1130°C
IECE XLCI 06.0004X IEC 60079-1:207-01 (Ed 5) IEC 60079-1:207-01 (Ed 5) IEC 60079-1:207-01 (Ed 5) IEC 60079-1:207-01 (Ed 5) Ext of mo solution or /495900 Ext of mo solution of or /495905 IECE X PTB 05.0006X IEC 60079-0:207-10 (Ed 5) IEC 60079-1:207-04 (Ed 6) IEC 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 80 and 90 Ext de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0097X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 100 and 112 Ext de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Frame Size 100 and 112 Ext d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Frame Size 100 and 112 Ext d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Frame Size 132 Ext d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2007 (Ed 4) A low Voltage A.C. Motor IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2007 (Ed 4) Ext d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 11.				IP65
IEC 60079-13:2007 (Ed 3) /495905 III: 1*10 IECEX PTB 05.0006X IEC 60079-03:2007-10 (Ed 3) Solenoid operator, Type Ex mb IIC T5,T4 and Ex mb tb IIIC T95*C, T130*C or or Ex do IIC T6,079-03:2004 (Ed 4) IECEX BAS 08.0096X IEC 60079-03:2004 (Ed 4) A Low Voltage A.C. Motor IEC 60079-12:007-04 (Ed 6) Ex do IIC T4 (Tamb -20*C to +50*C) see schedule IECEX BAS 08.0097X IEC 60079-12:007-04 (Ed 6) Frame Size 80 and 90 Ex de IIC T4 (Tamb -20*C to +50*C) see schedule IECEX BAS 08.0100X IEC 60079-12:007-04 (Ed 6) Frame Size 100 and 112 Ex de IIC T4 (Tamb -20*C to +50*C) see schedule IECEX BAS 08.0100X IEC 60079-02:004 (Ed 4) A Low Voltage A.C. Motor Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 08.0101X IEC 60079-02:004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 08.0101X IEC 60079-02:004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 09.0066X IEC 60079-02:004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 09.0067X IEC 60079-02:004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 09.0067X IE	IECEX LCI 06.0004X	IEC 60079-0:2007-10 (Ed 5)	Liectrovalves - Type :	
IECE 0007-91200-701 (Ed 5) Solenoid operator, Type Ex mb IIC T5,T4 and Ex mb tb IIIC T95°C, T130°C IECEX PTB 05.0006X IEC 60079-0120-10 (Ed 5) OS13, 1213, 0S14 and 1214 Frame Size 80 and 90 Ex mb IIC T5,T4 Gb and Ex mb tb IIIC T95°C, T130°C Db IECEX BAS 08.0096X IEC 60079-012004 (Ed 4.0) A Low Voltage A.C. Motor Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0097X IEC 60079-12007-04 (Ed 6) Frame Size 100 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-02004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-02004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule		IEC 60079-1:2007-04 (Ed 6)	/495900 or/495905	
IELEX PTB 05.0006X IEC 60079-02007-10 (Ed 3) Solenoid operator, type Ex mb IIC 15,14 and EX mb tb IIC 195 C, T130 C IECEX BAS 08.0096X IEC 60079-1:2007-04 (Ed 4) A Low Voltage A.C. Motor Frame Size 80 and 90 IECEX BAS 08.0097X IEC 60079-1:2007-04 (Ed 4) A Low Voltage A.C. Motor Frame Size 80 and 90 IECEX BAS 08.0007X IEC 60079-1:2007-04 (Ed 4) A Low Voltage A.C. Motor Frame Size 100 and 112 IECEX BAS 08.0100X IEC 60079-1:2007-04 (Ed 4) A Low Voltage A.C. Motor Ex d IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-1:2007-04 (Ed 6) Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) Rage of HPD Flameproof Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) Rage of HPD F		TEC 60079-18:2009 (Ed 3)	Coloradid an artest Tura	Fumble IC TE TA and Example to UC TOPSC T120°C
IEC 60079-18:2009 (Ed 3) OS13, 1213, 0514 and 1214 OF Ex mb IIC T5,T4 Gb and Ex mb tb IIIC 795*C, T130*C Db Ex mb IIC T5,T4 Gb and Ex mb tb IIIC 795*C, T130*C Db Ex mb IIC T5,T4 Gb and Ex mb tb IIIC 795*C, T130*C Db Ex mb IIC T5,T4 Gb and Ex mb tb IIIC 795*C, T130*C Db Ex de IIC T4 (Tamb -20*C to +50*C) see schedule IECEX BAS 08.0097X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004-07 (Ed 4) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex de IIC T4 (Tamb -20*C to +50*C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20*C to +50*C) see schedule IECEX BAS 09.0066X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20*C to +50*C) see schedule IECEX TSA 10.0007X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20*C to +50*C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-04 (Ed 6) Induction Motor framesSize 80 to 315 Ex d IIC T4 (Tamb -20*C to +50*C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) Three phase explosion prof motors Frame size CDB0, CD90, CD120, CD122, CD250, CD280 and CD 315 Ex d	IECEX PTB 05.0006X	IEC 60079-0:2007-10 (Ed 5)	Solenoid operator, Type	EX mb lic 15,14 and EX mb to lic 195 C, 1150 C
IECEX BAS 08:0096X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 80 and 90 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08:0097X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08:0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08:0101X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 80 and 90 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09:006X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 80 and 90 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09:006X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 10:007X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 32 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 11:0057X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) Range of HPD Flameproof Induction Motor frameSize 80 to 315 Ex d II Mb, Ex d IIB T4* Gb IECE 60079-0:2007-10 (Ed		IEC 60079-18:2009 (Ed 3)	0513, 1213, 0514 and 1214	From UC TE T4 Ch and Ex mb th UC T95°C T130°C Db
IECEX BAS 08.0095X IEC 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor Ex de life 14 (Tamb -20 °C to +50 °C) see schedule IECEX BAS 08.0097X IEC 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor Ex de life 14 (Tamb -20 °C to +50 °C) see schedule IECEX BAS 08.0100X IEC 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d life 14 (-20 °C to +50 °C) see schedule IECEX BAS 09.0067X IEC 60079-0:2007-40 (Ed 6) Frame Size 132 Ex d life 14 (-20 °C to +50 °C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) Range of HPD Flameproof Ex d life 14 °C 14 °C to +50 °C IECEX TSA 12		150 0020 0:2004 (54.4.0)	A Low Voltage A C Motor	Ex do UC T4 /Tamb -30°C to +50°C) see schedule
IEC 60079-1:2007-0/ [Ed 4] Allow Voltage A.C. Motor Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEx BAS 08.0097X IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 100 and 112 IECE 0079-1:2007-04 (Ed 6) Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 0079-1:2007-04 (Ed 6) Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 0079-1:2007-04 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECE 0079-1:2007-04 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 4.0) Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 6) Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 6) Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 60079-1:2007-04 (Ed 6) Frame Size 1	IECEX BAS 08.0096X	IEC 60079-0:2004 (Ed 4.0)	Frame Size 90 and 90	
IECE ND 37.0000 TX IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IECEX BAS 08.0100X IEC 60079-1:2007-04 [Ed 6] A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010XX IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.010XX IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.006X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.006X IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.006X IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 10.0007X IEC 60079-0:2007-04 (Ed 6) Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-04 (Ed 6) Range of HDD Flameproof Ex d I IM b, IECE 60079-0:2007-04 (Ed 6) Three phase explosion proof Motor Frame Size 200, Exd I T * Mb IECE 60079-0:2007-04 (Ed 6) IEC 60079-0:2007-04 (Ed 6) Three		IEC 60079-7:2006-07 (Ed 4)	Frame Size 80 and 90	
IECEX BAS 08.01037A IEC 00079-02.004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4) A LOW Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 100 and 112 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 102 and 102 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0066X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEX TSA 10.0007X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2007 (Ed 4) Range of HPD Flameproof IEC 60079-0:2007-10 (Ed 5) Ex d I Mb, Ex d IIB T4 * Gb IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) IEC 60079-0:2007-10 (Ed 5) Three phase explosion proof CD280 and CD 315 Ex d I Mb, Ex d II T * Mb IECE 60079-0:2007-10 (Ed 5) IEC 60079-0:2007-10 (Ed 5) Range of Squirrel Cage Induction Motor Frames 512 IEC 60079-1:2007-04 (Ed 6) Three phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 433, MAK 160, Ex d II B T6,		IEC 60079-7:2000-07 (Ed 4 0)	A Low Voltage A C Motor	Ex de IIC T4 (Tamb -20°C to $\pm 50°C$) see schedule
IEC 60079 7:2006-07 [Ed 4] Haine Size 000 112 IECEX BAS 08.0100X IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor IEC 60079-1:2007-04 (Ed 6) Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 08.0101X IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0065X IEC 60079-0:2004 [Ed 4.0] Low Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] Ex d IIB T4 (-20°C to +50°C) see schedule IECEX BAS 09.0067X IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] Ex du Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] Ex du Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] IECEX BAS 09.0067X IEC 60079-0:2004 [Ed 4.0] A Low Voltage A.C. Motor IEC 60079-0:2004 [Ed 4.0] Range of HPD Flameproof Induction Motor frames Size 80 to 315 Ex d IIM t4 (Tamb -20°C to +50°C) see schedule IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) Range of HPD Flameproof Induction Motor frames Size 80 to 315 Ex d I Mb, Ex d IIB T4 * Gb IECE 60079-0:2007-10 (Ed 5) Range of Squirrel Cage Induction Motor Frame Size CD80, CD90, CD120, CD125, CD250, CD280 and CD 315 Ex d I IC T3 @ (tamb.)40Gb IEC 60079-1:2007-04 (Ed 6) Three phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK	IECEX BAS 06.0097A	IEC 60079-1:2007-04 (Ed 4.0)	Frame Size 100 and 112	
IECEX BAS 08.0100X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2007-04 (Ed 6) IEC 60079-0:2007-10 (Ed 3) IEC 60079-0:2007-10 (Ed 3) IEC 60079-0:2007-04 (Ed 6) IEC 60079-0:		IEC 60079-7:2006-07 (Ed 4)	Traine Size 100 and 112	
IECE 000 90:00:00:00:00:00:00:00:00:00:00:00:00:0	IECEV BAS 08 0100X	IEC 60079-0:2004 (Ed 4 0)	A Low Voltage A C Motor	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEx BAS 08.0101X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Sizes 80 and 90 Ex d IIB T4 (-20°C to +50°C) see schedule IECEx BAS 09.0066X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEx BAS 09.0067X IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECEx TSA 10.0007X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Range of HPD Flameproof Induction Motor frames Size 80 to 315 Ex d I Mb, Ex d IIB T4 (-20°C to +50°C) see schedule IECEx TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) Range of HPD Flameproof Induction Motor frames Size 80 to 315 Ex d I Mb, Ex d IIB T4 * Gb IECEx TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) Three phase explosion proof motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315 Ex a IIC T3 @ (tamb.)40Gb IECEX TSA 12.0018X IEC 60079-0:2001-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 80, MAK 100, MAK Ex d IIB T6, T5, T4, T3 Gb	1202X BAS 00.0100X	IEC 60079-1:2007-04 (Ed 6)	Frame Size 100 and 112	
IEC 60079-1:2007-04 (Ed 6)Frame Sizes 80 and 90IEC 60079-1:2007-04 (Ed 4.0)Low Voltage A.C. MotorEx d IIB T4 (-20°C to +50°C) see scheduleIEC 60079-1:2007-04 (Ed 6)Frame Size 132Ex de IIC T4 (Tamb -20°C to +50°C) see scheduleIEC 60079-1:2007-04 (Ed 4.0)IEC 60079-1:2007-04 (Ed 6)A Low Voltage A.C. MotorIEC 60079-1:2007-04 (Ed 4.0)IEC 60079-1:2007-04 (Ed 4.0)Frame Size 132IEC 60079-1:2007-04 (Ed 4.0)Range of HPD FlameproofEx d I Mb,IEC 60079-1:2007-04 (Ed 6)Range of HPD FlameproofEx d I Mb,IEC 60079-1:2007-04 (Ed 6)Three phase explosion proofEx d I Mb,IEC 60079-1:2007-04 (Ed 6)Three phase explosion proofEx d I Mb,IEC 60079-1:2007-04 (Ed 6)Three phase explosion proofEx d I T * MbIEC 60079-1:2007-04 (Ed 6)Three phase and singleEx l IC T3 @ (tamb.)40GbIEC 60079-1:2007-04 (Ed 4)Induction Motor Frames 71Ex e IIC T3 @ (tamb.)40GbIEC 60079-1:2007-10 (Ed 5)Three-phase and singleEx e IIC T3 @ (tamb.)40GbIEC 60079-1:2007-10 (Ed 4)Three-phase and singleEx d IIB T6, T5, T4, T3 GbIEC 60079-1:2007-04 (Ed 6)Three-phase and singleEx d IIB T6, T5, T4, T3 GbIEC 60079-1:2007-04 (Ed 6)Three-phase and singleEx d IIB T6, T5, T4, T3 GbIEC 60079-1:2007-04 (Ed 6)Three-phase and singleEx d IIB T6, T5, T4, T3 GbIEC 60079-1:2007-04 (Ed 6)Three-phase and singleEx d IIB T6, T5, T4, T3 GbIEC 60079-1:2007-04 (Ed 6)MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK <td>IECEX BAS 08.0101X</td> <td>IEC 60079-0:2004 (Ed 4.0)</td> <td>Low Voltage A.C. Motor</td> <td>Ex d IIB T4 (-20C to +50C) see schedule</td>	IECEX BAS 08.0101X	IEC 60079-0:2004 (Ed 4.0)	Low Voltage A.C. Motor	Ex d IIB T4 (-20C to +50C) see schedule
IECEx BAS 09.0066X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IECE 0079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) A Low Voltage A.C. Motor Frame Size 132 Ex d IIB T4 (-20°C to +50°C) see schedule IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Ed 4.0) A Low Voltage A.C. Motor Frame Size 132 Ex de IIC T4 (Tamb -20°C to +50°C) see schedule IEC 60079-0:2004 (Ed 4.0) Range of HPD Flameproof Ex d I Mb, Ex d IIB T4* Gb IEC 60079-0:2007-04 (Ed 6) Range of HPD Flameproof Ex d I Mb, Ex d IIB T4* Gb IEC 60079-0:2007-04 (Ed 6) Three phase explosion proof Ex d I T * Mb Ex d IIC T* Gb IEC 60079-0:2007-10 (Ed 5) Three phase explosion proof Ex d IIC T* Gb -55 °C < T amb < +60 °C		IEC 60079-1:2007-04 (Ed 6)	Frame Sizes 80 and 90	
IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0)A Low Voltage A.C. Motor Frame Size 132Ex d IIC T4 (Tamb -20°C to +50°C) see scheduleIECEx TSA 10.0007XIEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6)Range of HPD Flameproof Induction Motor frames Size 80 to 315Ex d I Mb, Ex d IIB T4* GbIECEx TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-0:2007-04 (Ed 6) IEC 60079-0:2007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD80, CD160, CD1225, CD250, CD280 and CD 315Exd I T * Mb Exd IIC T* GbIECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-0:2007-10 (Ed 4) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex a IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (tamb.)40,GcIECEx CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) NAK 63, MAK 71, MAK 80, MAK 112, MAK 160Exd IIB T6, T5, T4, T3 Gb	IECEX BAS 09.0066X	IEC 60079-0:2004 (Ed 4.0)	Low Voltage A.C. Motor	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEx BAS 09.0067XIEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-0:2004 (Zd 4.0)A Low Voltage A.C. Motor Frame Size 132Ex de IIC T4 (Tamb -20°C to +50°C) see scheduleIECEx TSA 10.0007XIEC 60079-0:2004 (Ed 4.0) IEC 60079-0:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6)Range of HPD Flameproof Induction Motor frames Size 80 to 315Ex d I Mb, Ex d IIB T4* GbIECEx TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) DOP,0-12007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD80, CD90,CD100,CD112,CD132, CD280 and CD 315Exd I T * Mb Exd IIC T* GbIECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (tamb.)40,GcIECEx CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 432. MAK160Exd IIB T6, T5, T4, T3 Gb		IEC 60079-1:2007-04 (Ed 6)	Frame Size 132	
IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) Frame Size 132 IECEX TSA 10.0007X IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) Range of HPD Flameproof Induction Motor frames Size 80 to 315 Ex d I Mb, Ex d IIB T4* Gb IECEX TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) Three phase explosion proof motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315 Exd I T * Mb IECEX TSA 12.0018X IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-07 (Ed 4) IEC 60079-1:2007-07 (Ed 4) Range of Squirrel Cage Induction Motor Frames 71 to 250 Ex e IIC T3 @ (tamb.)40Gb IECEX TSA 12.0013X IEC 60079-0:2001 (Ed 4) IEC 60079-1:2007-04 (Ed 6) Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK 160 Exd IIB T6, T5, T4, T3 Gb	IECEx BAS 09.0067X	IEC 60079-0:2004 (Ed 4.0)	A Low Voltage A.C. Motor	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IEC 60079-7:2006-07 (Ed 4) Range of HPD Flameproof Ex d I Mb, IECEx TSA 10.0007X IEC 60079-0:2004 (Ed 4.0) Range of HPD Flameproof Ex d I Mb, IEC 60079-1:2007-04 (Ed 6) Induction Motor frames Size Ex d I B T4* Gb IECEx TSA 11.0057X IEC 60079-0:2007-10 (Ed 5) Three phase explosion proof Exd I T * Mb IECE 60079-0:2007-04 (Ed 6) Three phase explosion proof Exd I T * Mb IEC 60079-0:2007-04 (Ed 6) Three phase explosion proof Exd I C * Gb OD90,CD100, CD112,CD132, CD160, CD225, CD250, -55 °C < T amb < +60 °C		IEC 60079-1:2007-04 (Ed 6)	Frame Size 132	
IECEx TSA 10.0007XIEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)Range of HPD Flameproof Induction Motor frames Size 80 to 315Ex d I Mb, Ex d IIB T4* GbIECEx TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD80, CD90,CD100,CD112,CD12,C CD160, CD225, CD250, CD280 and CD 315Exd I T * Mb Exd IIC T* GbIECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 63, MAK 100, MAK 112. MAK 132, MAK 160Exd IIB T6, T5, T4, T3 Gb		IEC 60079-7:2006-07 (Ed 4)		
IEC 60079-1:2007-04 (Ed 6)Induction Motor frames Size 80 to 315Ex d IIB T4* GbIECEX TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD03, CD90,CD100,CD112,CD132, CD160, CD225, CD250, CD280 and CD 315Exd II T * Mb Exd IIC T* GbIECEX TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (tamb.)40,GcIECEX CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 63, MAK 100, MAK 112. MAK 132, MAK 132, MAK 160Ex d IIB T6, T5, T4, T3 Gb	IECEx TSA 10.0007X	IEC 60079-0:2004 (Ed 4.0)	Range of HPD Flameproof	Ex d I Mb,
IECEX TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD03, CD90,CD100,CD112,CD132, CD160, CD225,CD250, CD280 and CD 315Exd II T * Mb Exd IIC T* GbIECEX TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (tamb.)40,GcIECEX CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 100, MAK 112. MAK 132, MAK 132, MAK 160Exd IIB T6, T5, T4, T3 Gb		IEC 60079-1:2007-04 (Ed 6)	Induction Motor frames Size	Ex d IIB T4* Gb
IECEx TSA 11.0057XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Three phase explosion proof motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315Exd IT * Mb Exd IIC T* GbIECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (tamb.)40,GcIECEx CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112. MAK 132, MAK 132, MAK 160Exd IIC T* Mb Exd IIC T* Gb			80 to 315	
IEC 60079-1:2007-04 (Ed 6)motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315Exd IIC T* GbIECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2006-07 (Ed 4)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (Tamb.)40,GcIECEx CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 432, MAK 160Exd IIB T6, T5, T4, T3 Gb	IECEx TSA 11.0057X	IEC 60079-0:2007-10 (Ed 5)	Three phase explosion proof	ExdIT*Mb
LECEX TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-15:2010 (Ed 4)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (Tamb.)40,GcIECEX CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 63, MAK 112, MAK 132, MAK 160Ex a IIC T3 @ (tamb.)40,Gc		IEC 60079-1:2007-04 (Ed 6)	motors Frame sizes CD80,	Exd IIC T* Gb
IECEx TSA 12.0018XIEC 60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)Range of Squirrel Cage Induction Motor Frames 71 to 250Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (Tamb.)40,GcIECEx CES 10.0023XIEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112. MAK 132, MAK 160Exd IIB T6, T5, T4, T3 Gb			CD90,CD100, CD112,CD132,	-55 °C < T amb < +60 °C
IECEX TSA 12.0018X IEC 60079-0:2007-10 (Ed 5) Range of Squirrel Cage Ex e IIC T3 @ (tamb.)40Gb IEC 60079-7:2006-07 (Ed 4) Induction Motor Frames 71 Ex nA IIC T3 @ (Tamb.)40,Gc IEC 60079-15:2010 (Ed 4) to 250 IEC 60079-0:2007-04 (Ed 6) Three-phase and single Exd IIB T6, T5, T4, T3 Gb IEC 60079-1:2007-04 (Ed 6) phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK			CD160, CD225, CD250,	
IECEX ISA 12.0018X IEC 60079-02007-10 (Ed 5) Kange or squirrel Cage EX e IIC 13 @ (tamb.)40Gb IEC 60079-7:2006-07 (Ed 4) Induction Motor Frames 71 Ex A IIC T3 @ (Tamb.)40,Gc IEC 60079-15:2010 (Ed 4) to 250 IEC 60079-0:2011 (Ed 6.0) Three-phase and single Exd IIB T6, T5, T4, T3 Gb IEC 60079-1:2007-04 (Ed 6) phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK MAK 63, MAK 100, MAK			CD280 and CD 315	Ex all CT2 @ (tamb)40Ch
IEC 60079-1:2006-07 (Ed 4) Induction Motor Prames 71 EX fail C 13 @ (1410.)40,30 IEC 60079-15:2010 (Ed 4) to 250 Exd IIB T6, T5, T4, T3 Gb IEC 60079-1:2007-04 (Ed 6) Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK Exd IIB T6, T5, T4, T3 Gb	IECEX ISA 12.0018X	IEC 60079-0:2007-10 (Ed 5)	Range of Squirrei Cage	Ex elic 15 @ (tamb.)4000 Ex eA UC T2 @ (Tamb.)40 Gc
IEC 60079-15:2010 (c0 4) 10 250 IECEx CES 10.0023X IEC 60079-0:2011 (Ed 6.0) Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK Exd IIB T6, T5, T4, T3 Gb		IEC 60079-7:2006-07 (Ed 4)	to 250	EX TIA TIC TS @ (TdTID.)40,00
IEC 60079-1:2007-04 (Ed 6) IEC 60079-1:2007-04 (Ed 6) MAK 63, MAK 71, MAK 80, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK 160	1505- CEC 10 0022Y	IEC 60079-15:2010 (Ed 4)	Three phase and single	Evd UP TO TS TA TA Gh
supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK 160	IECEX CES TO:0023X	IEC 60079-0:2011 (EU 6.0)	phase asynchronous motors	Exulib 10, 13, 14, 13 db
inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160		IEC 00079-1:2007-04 (Ed 6)	supplied by mains or	
MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160			inverter series MAK 56	
MAK 90, MAK 100, MAK 112, MAK 132, MAK160			MAK 63 MAK 71 MAK 80	
112. MAK 132. MAK160			MAK 90, MAK 100, MAK	
			112. MAK 132. MAK160	

Date: 04 April 2017

Sira Certification Service

IECEx SIR 11.0155X Issue 2



Applicant:

Stolway Holdings Pty Ltd

Apparatus:

Type `ST' Air conditioning units (HVAC) Type `ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx CES 11.0014X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)	Three-phase and single phase asynchronous motors	Exd IIC T6, T5, T4, T3 Gb
		supplied by mains or	
		MAK 63 MAK 71 MAK 80	
		MAK 90, MAK 100, MAK	
		112, MAK 132, MAK160	
IECEx BAS 14.0009X	IEC 60079-0:2011 (Ed 6.0)	Range of SGA induction	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C)
	IEC 60079-7:2006-07 (Ed 4)	motor of frames 71 to 315	
		and range of HGA induction	
		motor of frames 80-280	
IECEX EXA 16.0006X	IEC 60079-0:2011 (Ed 6.0)	Three-phase and single	Ex d IIC/IIB 13141516 GD OF
	IEC 60079-7:2006-07 (Ed 4)	phase motors, brake motors	EX d e (IC/IIB 13141516 GD
IECEX BVS 13 0121X	IEC 60079-0:2011 (Ed 6 0)	Elameproof electric motors	Ex d IIC T* Gb or Ex de IIC T* Gb or
	IEC60079-1:2007-04 (Ed 6)	4KT** *** ** */*	Ex d IIB T* Gb or Ex de IIB T* Gb or
	IEC 60079-7:2006-07 (Ed 4)		
IECEx BKI 11.0010	IEC 60079-0:2007-10 (Ed 5)	Power-signal-control unit	Refer to point 3.1. and 3.4 in Addendum to IECEx BKI
	IEC60079-1:2007-04 (Ed 6)	and terminal board family	11.0010
	IEC 60079-11:2006 (Ed 5)		End for Maril 1945 - 20 %C atta af E %C # (attaining attack
IECEX ISA 06.0011	IEC 60079-0:2004 (Ed 4)	CCFE/EJB Series of	$EX \cup [Ia Ma] MD - 20 \cup C \le Ia \le 55 \cup C (Stathless steel$
	IEC 60079-0:2007-10 (Ed 5)	Signalling Units	Ex d [ia Ga] IIB + H2 Gb T* - 20 °C \leq Ta \leq 55 °C *
	IEC 60079-1:2007-04 (Ed 6)		
	IEC 60079-11:2006 (Ed 5)		
IECEx TSA 06.0012	IEC 60079-0:2011 (Ed 6)	CCA and GUB series of	Ex d [ia Ma] I Mb T*- 20 °C \leq Ta \leq 55 °C * (stainless steel
	IEC60079-1:2007-04 (Ed 6)	Command, Control and	enclosures only)
	IEC 60079-11:2006 (Ed 5)	Signalling Enclosures	Ex d [ia Ga] IIC Gb 1*
LECEN DEK 12 0075	IEC 60079-11:2011 (Ed 6)	Control/Distribution papels	Ex.d IIB+H2T6 T3Gb
IECEX DER 15.0075	IEC 60079-0:2007-10 (Ed 5)	series BARTEC B/C/D/F and	Ex d IIC T6 T3 Gb
	IEC 60079-1:2007-04 (Ed 6)	BARTEC B/C/D/E assembly	Ex e IIB / IIC T6 T3 Gb
	IEC60079-2:2007-02 (Ed 5)		
	IEC60079-5:2007-03 (Ed 3)		
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2006 (Ed 5)		
	JEC 60079-28:2009 (Ed 3)		
IECEX INE 13.0070X	IEC 60079-0:2011 (Ed 6.0)	Enclosures type EJB	Exd IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC60079-1:2014-06 (Ed 7.0)		Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC 60079-11:2011 (Ed 6.0)		Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEx INE 13.0078X	IEC 60079-0:2011 (Ed 6.0)	Enclosures type EJB	Exd IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC60079-1:2014-06 (Ed 7.0)		Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb
	IEC 60079-11:2011 (Ed 6.0)	Enclosures tupo	Exd [ID IIA or IIB or IIC] IIB+H2 16 or 15 or 14 or 13 GD
TECEX INE 14.0029X	IEC 60079-0:2011 (Ed 6.0)	EIR***/EIRX***	
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2011 (Ed 6.0)		
	IEC 60079-28:2006-08 (Ed1)		
IECEX IMQ 14.0010X	IEC 60079-0:2011 (Ed 6.0)	Enclosures with operator	Ex db IIB+H2 T4/T5/T6 Gb
	IEC60079-1:2014-06 (Ed 7.0)	and control station series	Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb
	IEC 60079-11:2011 (Ed 6.0)	EJB ****	EX 0D [ID GD] IIB+H2 14/15/16 GD
IECEX SIK 06.0074	IEC 60079-0:2004 (E0 4.0)	rerminal Boxes	Ex la lic 1 · Ga (1a = - · · c to + · · c) Ex e ll T* Gb (Ta = - **°C to + **°C)
	IEC 60079-7:2006-07 (Ed 4)		
	IEC 60079-11:2006 (Ed 5)		
IECEx SIR 06.0106X	IEC 60079-0:2004 (Ed 4.0)	The GL range of terminal	Ex ia IIC T* Ga (Ta = -**°C to +**°C)
	IEC60079-0:2007-10 (Ed 5)	enclosures	Ex e II T* Gb (Ta = -**°C to +**°C)
	IEC 60079-7:2006-07 (Ed 4)		
	■ DEC 60079-1122006 (Ed 5)		

Sira Certification Service

Date: 04 April 2017

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IECEx SIR 11.0155X Issue 2

Stolway Holdings Pty Ltd



Applicant:

Apparatus:

Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx PTB 06.0060	IEC 60079-0:2011 (Ed 6.0)	Terminal box, type	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	8125/1***-*** and	Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
	IEC 60079-7:2006-07 (Ed 4)	8125/2***_***	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2009 (Ed 3)		
IECEx PTB 09.0048	IEC 60079-0:2011 (Ed 6.0)	Terminal Box Type 8150/1-	Ex d e ia ib mb IIC, IIB, IIA T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	****_****_***_*** and	Ex db eb ia ib mb IIC, IIB, IIA T6, T5, T4 Gb
	IEC 60079-7:2006-07 (Ed 4)	8150/2-****-***-***-	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2004 (Ed 2.0)		
IECEx PTB 06.0046	IEC 60079-0:2011 (Ed 6.0)	Terminal box, type	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or
	IEC 60079-1:2007-04 (Ed 6)	8146/1***-** and	Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
	IEC 60079-7:2006-07 (Ed 4)	8146/2***-**	
	IEC 60079-11:2006 (Ed 5)		
	IEC 60079-18:2009 (Ed 3)		
IECEX PTB 06.0026	IEC 60079-0:2011 (Ed 6.0)	Junction and Terminal Boxes	Ex e mb IIC 16, 15, 14 Gb or
	IEC 60079-7:2006-07 (Ed 4)	IVDE 8118/***-***	EX ED MD IIC 16, 15, 14
	IEC 60079-11:2006 (Ed 5)		Exia ib[ia Ga]IIA, IIB, IIC 16, 15, 14 GD of
	IEC 60079-18:2009 (Ed 3)	COVAN brend SC/DC 9	EX la IDITATILA, IIB, IIC 10, 15, 14
IECEX SIM 09.0001X	IEC 60079-0:2004 (Ed 4.0)	GOVAN brand - ES/DS &	Refer Annex of certificate IECEX SIM 09.0001X
	1EC 60079-7:2006-07 (Ed 4)	EM/DM Range of Junction	
1505 754 40 0044	150 50070 0:0004 (51 4 0)	Boxes and Control Stations	
IECEX ISA 10.0011	1EC 60079-0:2004 (Ed 4.0)	Increased Safety Junction	
	1EC 60079-7:2006-07 (Ed 4)	Boxes, Series SA and	EX EILIP 15-20 C S 18 S +55 C
	IEC 50070 0:2004 (Ed 4 0)	SA/ 35	Pofer Appay of certificate JECEy SIM 08 0018Y
IECEX SIIVI US.UU18A	IEC 60079-0.2004 (Ed 4.0)	Bango of Junction Boyos &	Refer Annex ou certificate recex site 06.0016X
	12C 00075-7.2000-07 (Ed 4)	Control Stations	
JECEY CES 13 0001	IEC 60079-0-2011 (Ed 6 0)	Terminal boxes series CTB	Ex ellC T6 or T5 Gb
1202X 623 13.0001	IEC 60079-7:2006-07 (Ed 4)	CSTB and SA	Exia IIC T6 or T5 Gb
	IEC 60079-11:2000 07 (Ed 4)	Corb and SA	Ex e ia IIC T6 or T5 Gb
IECEX BAS 06 0013X	IEC 60079-0:2011 (Ed 6.0)	A Bange of Compression	Ex d IIC Ex e IIC Gb
	IEC 60079-1:2014-06 (Ed 7.0)	Type Cable Glands	$(-60^{\circ}C) \le ta \le +80^{\circ}C)$ see schedule
	IEC 60079-7:2015 (Ed 5.0)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
IECEX BAS 06.0014X	IEC 60079-0:2011 (Ed 6.0)	Type 501/453 UNIV Cable	Ex db IIC Gb
	IEC 60079-1:2014-06 (Ed 7.0)	Glands	Ex e IIC Gb
	IEC 60079-7:2015 (Ed 5.0)		Ex nR IIC Gc
	IEC 60079-15:2010 (Ed 4)		(-60°C ≤ ta ≤ +80°C)
IECEx BAS 06.0015X	IEC 60079-0:2011 (Ed 6.0)	A range of Barrier Type	Ex d IIC Ex e IIC Gb
	IEC 60079-1:2014-06 (Ed 7.0)	Cable Glands	(-60°C ≤ ta ≤ +80°C)
u	IEC 60079-7:2015 (Ed 5.0)		
IECEx BAS 06.0059X	IEC 60079-0:2007-10 (Ed 5)	A Type HA* Barrier Gland	
	IEC 60079-1:2007-04 (Ed 6)		Ex d IIC Ex e IIC Gb Ta -60°C to +80°C
	IEC 60079-7:2006-07 (Ed 4)		
IECEx SIR 13.0023X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types A**	ExelMb
	IEC 60079-1:2007-04 (Ed 6)		Ex d I Mb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
			Ex nR IIC Gc
IECEx SIR 13.0026X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types E**	Ex e I Mb
	IEC 60079-1:2007-04 (Ed 6)		Ex d I Mb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
			Ex nR IIC Gc
			Ta -60°C to +130°C
			Ta -20°C to +200°C

Date: 04 April 2017

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IECEx SIR 11.0155X Issue 2



Applicant:

Apparatus:

Type `ST' Air conditioning units (HVAC) Type `ST' Water chiller units

Stolway Holdings Pty Ltd

Certificate	Standard Edition	Description	Ex Marking
IECEX SIR 13 0027X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types PX**	ExelMb
LOLA DIT 13100L/A	JEC 60079-1:2007-04 (Ed 6)		ExdIMb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Fx d IIC Gb
			Ex nB IIC Gc
			Ta -60°C to +85°C
IECEx SIR 13.0028X	IEC 60079-0:2011 (Ed 6.0)	Cable Gland Types Triton	Ex e I Mb
	IEC 60079-1:2007-04 (Ed 6)	T3** and TE**	ExdIMb
	IEC 60079-7:2006-07 (Ed 4)		Ex e IIC Gb
	IEC 60079-15:2010 (Ed 4)		Ex d IIC Gb
	. ,		Ex nR IIC Gc
			Ta -60°C to +130°C (When fitted with standard seal)
			Ta -20°C to +200°C (When fitted with high temperature
·			seal)
IECEx SIR 10.0094X	IEC 60079-0:2007 (Ed 5)	PXFC and PXFC-LTPB Barrier	Ex d IIC Gb
	IEC 60079-1:2007-04 (Ed 6)	Glands for Flexible Conduit	Ex e IIC Gb
	IEC 60079-7:2006-07 (Ed 4)		Ex d IIC Gb
			Ex e IIC Gb
IECEX BAS 07.0001X	IEC 60079-0:2004 (Ed 4.0)	A Range of Thread Adaptors	Ex d IIC Ex e II IP6X
	IEC 60079-1:2003 (Ed 5)		
	IEC 60079-7:2001 (Ed 3)	Tune 727 747 757 767	FydLMb (FygLMb
IECEX SIR 13.0094X	IEC 60079-0:2011 (Ed 6.0)	Type /3/,/4/, /5/, /6/ and	
	IEC 60079-1:2007-04 (Ed 8)	797 ranges of adaptors,	
IECEVITS 12 0019V	IEC 60079-7.2008-07 (Ed 4)	CT Broathor Drain	Ex el IC GU
IECEX ITS 13.0018X	IEC 60079-0:2011 (Ed B.0)	Ci Breather Drain	Ex a l/liC Mb/Gb
	IEC 60079-1:2007-04 (Ed 8)		Exel/lic Mb/db
	IEC 60079-7:2000-07 (Ed 4)	Breather Drain Type (V	Ex e I/IIC Mb/Gb
1202X 311 03.0030X	IEC 60079-7:2006-07 (Ed 4)	breather brain type ev	Exel/lic Gh
LECEX CES 15,0006X	IEC 60079-0:2011 (Ed 6.0)	Adaptors and plugs series	Ex d IIC Gb
	IEC 60079-1:2007-04 (Ed 6)	AD.RE AD.EN, AD.FF,	Ex e IIC Gb
	IEC 60079-7:2006-07 (Ed 4)	AD.MM, SP.MD	
IECEx BAS 06.0025	IEC 60079-0:2007-10 (Ed 5)	Type KCD2-SR-Ex*.* Switch	[Ex ia Ga] IIC
	IEC 60079-11:2006 (Ed 5)	Amplifier	[Ex ia Ma] I
	IEC 60079-26:2004 (Ed 1)		-20°C ≤ Ta ≤ +60°C
IECEx PTB 11.0031	IEC 60079-0:2011 (Ed 6.0)	Isolation switching amplifier	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	type K"A"-SR"-Ex".W."	[Ex ia Ma] I
IECEx TUN 07.0003	IEC 60079-0:2011 (Ed 6.0)	Universal Temperature	[Zone 0] [Ex ia] IIC and [Ex ia] I
	IEC 60079-11:2011 (Ed 6.0)	Module Type KFD2-UT2-Ex*-	
1505 105 00 0001			In the Call HC
IECEX IBE 08.0001X	IEC 60079-0:2011 (Ed 6.0)	NAIVIUR Isolating Amplifier	
	IEC 60079-11:2011 (E0 6.0)	IVIALX IVILK-EX-SL-*	EX TIA TIÇ TIC 14 GC
	IEC 60079 0:2011 (Ed 4)	NAMUR Isolating Amplifica	
ILCEX IDE 10.0004X	IEC 60079-0.2011 (EC 6.0)		Exind Galine
	IEC 60079-15:2010 (Ed 4)	U(RFL)-UP(-SP)	
IECEX IBE 10.0002X	IEC 60079-0:2011 (Ed 6.0)	Isolating Amplifier MACX	[Ex ia Ga] IIC
	IEC 60079-11:2011 (Ed 6.0)	MCR-EX-SL-xNAM-vR-UP(Ex nA nC IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)	SP)	
IECEx BVS 12.0050X	IEC 60079-0:2011 (Ed 6.0)	Temperatuer Converter type	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I,
	IEC 60079-11:2011 (Ed 6.0)	D5072*, D5072-*, D5072S-	Ex nA nC [ia Ga] IIC T4 Gc
	IEC 60079-15:2010 (Ed 4)	087, D5273S, D5273S-*	
IECEx BVS 10.0072X	IEC 60079-0:2011 (Ed 6.0)	DIN Rail Isolator (extention:	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I,
	IEC 60079-15:2010 (Ed 4)	Relay Output,	Ex nA nC [ia Ga] IIC T4 Gc
		Switch/Proximity Detector	
		repeaters) type D5****,	
		D5****-xxx (extention:	
		D5090S-086, D5036*-* /	
		D5037*-*)	

Date: 04 April 2017

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IECEx SIR 11.0155X Issue 2

Stolway Holdings Pty Ltd



Applicant:

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Standard Edition	Description	Ex Marking
IECEx UL 06.0013	IEC 60079-0:2004 (Ed 4.0)	BSX- 3-1, 5-1, 8-1, 10-1, 3-2,	Ex e II T5 or T6
	IEC 60079-7:2001 (Ed 3)	5-2, 8-2, 10-2	-60°C ≤ Tamb ≤ +55°C
	IEC 62086-1:2001		
IECEx FMG 13.0020	IEC 60079-0:2011(Ed 6.0)	BSX Self regulating Trace	Ex eb IIC T6T5, -60°C to +55°C
	IEC 60079-30-1:2007-01 (Ed	Heaters	
	1)		
IECEX PTB 07.0057X	IEC 60079-0:2004 (Ed 4.0)	Actuator model S, type EX	Ex d [ia] IIC T6, T5 and T4
	IEC 60079-1:2003 (Ed 5)	MAX/	
	IEC 60079-11:2006 (Ed 5)		

Conditions of Manufacture

The Manufacturer shall comply with the following:

- 1. The marking, ambient temperature range, group, category, safety description, relevant electrical safety parameters and warnings will be included in the marking. The most onerous values shall take precedence.
- 2. This certificate relies on previously certified products. When they are used as part of this equipment, they shall still be covered by their original certificates.
- 3. The manufacturer shall ensure that any blanking elements or cable glands fitted have suitable service temperatures, when considering all equipment fitted and conditions on certificates.
- 4. The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification associated with the equipment. In addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted in the equipment.
- The assembly manufacturer shall address the relevant conditions of use in the permitted Ex equipment certificates as specified in schedule document 60107-STD-EL-SC-321 for installation according to IECEx SIR 11.0155X.

Specific Conditions Of Use

The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
IECEX TSA 07.0060X	The following input parameters shall be taken into account during installation:
	Type SX024DC: Ui = 26.4 V d.c.
	Type SX024DC(CS): Ui = 26.4 V d.c
	Type SX110AC: Um = 132 V rms
	Type SX230AC: Um = 250 V rms
IECEX LCI 06.0004X	Ambient temperature range: $-40^{\circ}C \le Tamb \le +80^{\circ}C$
IECEX BAS 08.0096X	The hexagon head bolts used in the assembly of the motors must be a
	minimum grade 4.6 steel in accordance with ISO 898-1
	When the motor is supplied with bearing insulation, the user is responsible for
	checking the effectiveness of such installations at appropriate intervals, e.g. by
	the use of 100V insulation tester and by visual inspection to ensure that no
	unpainted, unearthed metal can be shorted to earth.
IECE× BAS 08.0097X	The hexagon head bolts used in the assembly of the motors must be a
	minimum grade 4.6 steel in accordance with ISO 898-1

Date: 04 April 2017

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Sira Certification Service

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEX BAS 08.0097X	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by
	the use of 100V insulation tester and by visual inspection to ensure that no
	unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0100X	The hexagon head bolts used in the assembly of the motors must be a
	When the motor is supplied with bearing insulation, the user is responsible for
	checking the effectiveness of such installations at appropriate intervals, e.g. by
	the use of 100V insulation tester and by visual inspection to ensure that no
	unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0101X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1
	When the motor is supplied with bearing insulation, the user is responsible for
	checking the effectiveness of such installations at appropriate intervals, e.g. by
	unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09.0066X	The hexagon head bolts used in the assembly of the motors must be a
	minimum grade 4.6 steel in accordance with SAE 1008 standard
	When the motor is supplied with bearing insulation, the user is responsible for
	checking the effectiveness of such installations at appropriate intervals, e.g. by
	unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09 0067X	The hexagon head bolts used in the assembly of the motors must be a
	minimum grade 4.6 steel in accordance with SAE 1008 standard
	The cable glands when installed in the increased safety terminal must provide
	a minimum of 1P54 level of ingress protection. When the motor is supplied with bearing insulation, the user is responsible for
	checking the effectiveness of such installations at appropriate intervals, e.g. by
	the use of 100V insulation tester and by visual inspection to ensure that no
1505 TOL 10 0007V	unpainted, unearthed metal can be shorted to earth.
IECEX ISA 10.000/X	The flame path dimensions are detailed in IECEX test report ALI/TSA/ExTR10.0014/00 Attachment A and shall comply with the
	manufacturer's drawings listed below
IECEx TSA 11.0057X	The flameproof joints parameters shall be in accordance with the manufacturer
	drawings list.
	allowed with drain holes screws in place and correctly tightened.
IECEX CES 10.0023X	The flamepaths are specified in the manufacturing drawings. For information
	regarding the dimensions of the flameproof joints the manufacturer shall be
	contacted.
IECEX CES 11.0014X	regarding the dimensions of the flameproof joints the manufacturer shall be
	contacted.
IECEX BAS 14.0009X	The equipment may present a potential electrostatic charging hazard; the user
	instructions shall be followed in order to minimise the risk of electrostatic
	I DISCHARDE

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Sira Certification Service

IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEX EXA 16.0006X	The flame paths are specified on the manufacturer's drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
	In special cases the suitable paint system is not in compliance to thickness limit indicated for gas group IIC. In order to minimize risk of hazards caused by electrostatic charges, clean motor only with a wet rag or by non-frictional means.
IECEx BVS 13.0121X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of IEC 60079- 1:2007. For information of the dimensions of the flameproof joints contact the manufacturer.
	closing of the flameproof enclosure
IECEx BKI 11.0010	The enclosure(s) must not open or dismantle while it is energised
IECEX INE 13.0070X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 21
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEX INE 13.0078X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEX INE 14.0029X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
IECEX IMQ 14.0010X	For enclosures EJBA and EJBS: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.
	 For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: UPB2 actual 25,5 mm vs 25 mm UPBL actual 29 mm vs 25 mm UHLB and UHB: actual 35 mm vs 25 mm UHS actual 32 mm vs 25 mm UVD actual 27 mm vs 25 mm UVB actual 28 mm vs 25 mm
IECEx SIR 06.0074	Intrinsically safe and non-intrinsically safe circuits which are fitted within the same enclosure shall be separated as required by IEC 60079-14.

Date: 04 April 2017

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Sira Certification Service

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEx SIR 06.0106X	Intrinsically safe and non-intrinsically safe circuits fitted within the same
	enclosure shall be separated as required by EN 600/9-14
IECEX PTB 06.0060	For the maximum number of conductors, which for each size of enclosure is
	determined by the cross section and the admissible continuous current,
	reference is made to the specification intering Safety "i" shall be installed in such
	Equipment of the type of protection intrinsic safety is shall be installed in such
	and pop-intrinsically safe circuits as set forth in IEC 60079-14 are duly
	accounted for
	Only such – separately certified – built-in and built-in parts, suitable for these
	temperatures, are used. Additional instructions of the manufacturer have be
	followed.
	When using more than one intrinsically safe circuit, the rules and regulations
	for interconnection shall duly be observed.
	Terminal boxes with a coating out polyester powder must not be used in areas
	affected by charge-producing processes, mechanical friction and separation
	processes, electron emission (e.g. in the vicinity of electrostatic coating
	equipment), and pneumatically conveyed dust.
IECEX PTB 09.0048	The maximum number of conductors for the housing size in dependence on the
	section and the permissible continuous current rating are to be taken from the
	specifications.
	When more than one intrinsically safe circuit is used, the rules for
	interconnection are to be observed.
	The Terminal Box with a coating of polyester powder must not be used in
	areas affected by charge-producing processes, mechanical friction and
	separation processes, electron emission (e.g. in the vicinity of electrostatic
	coating equipment), and pneumatically conveyed dust.
IECEX PTB 06.0046	For the maximum number of conductors, which for each size of enclosure is
	determined by the cross section and the admissible continuous current,
	reference is made to the specification sheets.
	If clearance requirements for the connectors as specified in IEC 60079-11
	cannot be safeguarded with the system installation and layout, wiring that
	meets the quality criteria Increased Safety "e" shall be used, or the wiring shall
	be of the fall-safe type.
	when using more than one intrinsically sale circuit, the rules and regulations
	Only such – separately certified – gaskets and – separately certified – built-in
	and built-in parts, suitable for these temperatures, are used. Additional
	instructions of the manufacturer have be followed.
	Terminal boxes containing fuses and/or, beside the usual non-intrinsically safe
	circuits, intrinsically safe circuits, are provided with an additional marking.
	The line side from an analysistic device shall be calested as no to provide for
	I ne line-side ruse or protective device shall be selected so as to provide for
	and the max rated short-time current (1 s)

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEX PTB 06.0026	The maximum number of conductors that can be used for each enclosure size
	is subject to the cross-section and the admissible current rating and is shown
	in the attached specification sheets.
	The surface resistance of the material used for the enclosure is 1013 Ohm,
	Therefore the not "to be cleaned with moist cloth only" is to be given.
IECEX SIM 09.0001X	The square polycarbonate window, fitted in the ES/DS range of enclosures,
	may generate ignition-capable level of electrostatic charge under extreme
	conditions, the user must ensure that the equipment is installed and used in
	accordance with the manufacturer's instruction manual.
	Suitable heat-resistant cables and cable glands, with a continuous operating
	temperature of at least 95°C must be used at the entry point for the Range of
	ES/DS enclosures with temperature classification 15/195°C.
	The following limiting parameters apply when the equipment is fitted with a
	WINDOW, AMMETER TYPE AWAMIZ (IECEX BAS 07.00430) or Fuse Type 6500/
	(IECEX PTB 00.00000):
	in series with the Ammeter
TECEX SIM 08 0018X	The equipment was submitted to tests corresponding to the low risk of
	mechanical impact and this must be observed at installation.
	The square polycarbonate window, when fitted in the enclosures, may
	generate an ignition capable level of electrostatic charge under certain extreme
	conditions. The user must ensure that the equipment is installed and used in
	accordance with the manufacturer's instruction manual
	Suitable heat-resistant cables and cable glands, with a continuous operating
	temperature of at least 95 ° C must be used at the entry point for the Range of
	EP/DP enclosures with temperature classification T5/T95 °C
	The following limiting parameters apply when the equipment is fitted with the
	window option and/or Ammeter Type AWAM2 (IECEX BAS 07.00430):
	- A short circuit protection device, rated at not greater than 10A, must be fitted
	In series with the Ammeter.
	the low rick of mechanical danger and this must be observed at installation
IECEY CES 13 0001	Accessories used for cable entries and for unused holes shall have degree of
ILCEX CLS 15.0001	protection IP66 and shall be suitably certified.
	When selecting the permitted continuous current for cross-section, the
	maximum permitted electrical current for the terminals and the connecting
	cable or conductor should be taken into consideration. The terminals shall be
	fitted in accordance with the manufacturer's instructions and, when installed
	they shall have the minimum clearance and creepage distances required by
	Table 1 of IEC 60079-7 standard.
	For terminal boxes with type of protection Ex i the distances between Intrinsic
	Safety circuits and on-Intrinsic Safety circuits or between separate intrinsic
	safety circuits shall be according to IEC 60079-11 standard. Intrinsically safe
	circuits shall be clearly identified. Where a colour is used for this purpose, it
	shall be light blue for the intrinsically safe connections.
	The service temperature range of the terminals used shall be taken into
	consideration.

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IECEx SIR 11.0155X Issue 2

Stolway Holdings Pty Ltd

Applicant:



Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
	Installation instruction document F-375 provides details of dielectric strength routine tests of 2U+1000Vac with a minimum value of 1500V Vac between the supply terminals and earth.
IECEX BAS 06.0013X	 Except for PSG glands, all glands are suitable for use within an operating temperature range of -60°C to +100°C. The PSG range of glands are limited to an operating temperature range of -60°C to +80°C. Except for the 501/421R glands, all glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must
	be effectively clamped to prevent pulling and twisting The type 8430-501/453 J M100 gland as per variation 2.1 may only be used for fixed cable installations of group II equipment. The user shall ensure that the cable is effectively clamped to prevent pulling and twisting. When used in accordance with variation 8.1 the types 501/421 and 501/423
	fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting. The type 501/421/R has an integral clamping arrangement which precludes the requirement of this specific condition of use.
	When used in accordance with variation 8.2 the types 501/453 RAC cable glands are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting.
IECEx SIR 13.0026X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 13.0027X	 The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 13.0028X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size,
	e.g. 32B****, they shall not be used with any adaptor device.When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 10.0094X	The PXFC cable entries are only suitable for fixed installations. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
	The entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment in which it will be attached.
IECEx SIR 13.0094X	The installer shall refer to manufacturer's instructions for the action necessary regarding electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.
IECEX ITS 13.0018X	At their point of mounting, these devices are approved for use at the following temperatures dependant on the type of o-ring:
	O Ring MaterialLimiting TemperatureNitrile-20°C to +80°CEDPM-30°C to +125°CNeoprene-20°C to +100°CViton-5°C to +150°C
	Silicone -30°C to +150°C
IECEx SIR 09.0096X	The limiting temperature ranges of these devices depends upon their material of manufacture and the type of "O" Ring used in their construction a s defined by the manufacturer, the user shall therefore install these devices in accordance with temperature values stated in the table below. O Ring Material Limiting Temperature Brass, mild steel or stainless steel Nylon MDF2 900
	None -50° C to $+150^{\circ}$ C -20° C to $+65^{\circ}$ C Nitrile -20° C to $+80^{\circ}$ C -20° C to $+65^{\circ}$ C EDPM (fitted as standard) -30° C to $+125^{\circ}$ C -20° C to $+65^{\circ}$ C Neoprene -20° C to $+100^{\circ}$ C -20° C to $+65^{\circ}$ C Viton -5° C to $+150^{\circ}$ C -5° C to $+65^{\circ}$ C Silicone -30° C to $+150^{\circ}$ C -20° C to $+65^{\circ}$ C Fluorosilicone -50° C to $+150^{\circ}$ C -20° C to $+65^{\circ}$ C
IECEx CES 15.0006X	The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted.
	The adaptors and plugs shall be installed in such a way that the temperature at the mounting point will remain within the following service temperature ranges: 40°C to +100°C for adaptors and plugs - Limited up to +80°C for adaptors and plugs fitted with fibre washer The degree of protection IP 66/68 according to the IEC 60529 standard will be guaranteed for the adaptors and plugs if the holes into which adaptors and plugs are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction. Therefore it is the users' responsibility to ensure that the appropriate ingress protection level is maintained

Form 9530 Issue 1

Sira Certification Service

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IECEx SIR 11.0155X Issue 2



Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC) Type 'ST' Water chiller units

Certificate	Specific Conditions Of Use
IECEX IBE 08.0001X	The operation of the switches and of the jack connector as well as the connecting and disconnecting of energised non-energy limited circuits is only permitted during installation, for maintenance or for repair purposes (see warning label)
IECEx IBE 10.0004X	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
	Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IECEX IBE 10.0002X	Connecting and disconnecting of not intrinsically safe circuits are not allowed in energized state of the Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP).
IECEX BVS 12.0050X	The installation of the Temperature Converters shall be carried out in such a way that the clearance of uninsulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3mm, and uninsulated conductors of non intrinsically safe circuits of other apparatus are situated at least 50mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC60079-11:2012
IECEX BVS 10.0072X	The installation of DIN Rail Isolators of type series D5****, D5****-xxx shall be carried out in such a way that the clearances of un-insulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3 mm, and un-insulated conductors of non-intrinsically safe circuits of other apparatus are situated at least 50 mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC 60079-11:2011.
IECEX PTB 07.0057X	For repair of the flamepaths joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the value in tables 1 and 2 of EN 60079-1 is not accepted.

Date: 04 April 2017

Sira Certification Service



Instructions for Safe Installation, Use & Maintenance

HVACR Assembly

IMPORTANT NOTE TO CUSTOMERS:

THESE INSTRUCTIONS MUST BE ISSUED OR DISTRIBUTED TO EACH INSTALLER OR END USER OF EACH HVACR ASSEMBLY.

1. Definitions

HVACR: Heating, Ventilation, Air Conditioning and/or Refrigeration assembly which includes water chillers.

2. Introduction

These safety instructions refer to installation, operation and maintenance of the Ex-protected HVACR.

The HVACR typically comprises Ex d compressor(s), Ex m solenoid(s), Ex e heater(s) in additional to several precertified components such as fan motors, electrical enclosures and intrinsically safe barriers. The HVACRs can be manufactured to many different configurations to suit the required application.

The HVACR can be certified to either IECEx and/or ATEX schemes and carries the following markings;

Manufacturer:	Stolway Pty Limited
Туре:	Refer to relevant Operation & Maintenance Manual
Serial No.:	Refer to relevant Operation & Maintenance Manual
Certification code:	Refer to relevant Operation & Maintenance Manual
Ambient temperature rating:	Refer to relevant Operation & Maintenance Manual
Certificate number:	IECEx SIR 11.0155X (IECEx certificate)
	SIRA 11ATEX1356X (ATEX EC type examination certificate)
	SIRA 12ATEX4162X (ATEX type examination certificate)
Warning:	For electrical ratings, safety parameters and other warnings refer to individual
-	equipment labels & certificates.

Other (ATEX EC Type only): ATEX & IECEx:

(E "nnn" **(Ex**)_{II 2 G}

Ex IIB+H2* T* Gb (* Gas Group, Temperature Classification and ambient temperature range are dependent on the equipment fitted.)

Note: "nnnn" refers to notified body providing quality.

Assembly certified to IEC 60079-0, IEC 60079-14, EN 60079-0, EN 60079-14

Instruction for Safe Installation, Use & Maintenance Date Prepared: 29th April 2020 Document number: 60107-STD-QA-ML-021-R03



3. Pre-installation inspection

The following checks shall be conducted prior to installation of equipment:

- Check the equipment for any damage which may have occurred during transit or installation.
- Check the fan assemblies for freedom of obstruction and/or misalignment and each fan assembly should be spun by hand to ensure the fans are rotating freely and not coming into contact with surrounding fan shrouds and/or housings.
- Check all component mounting bolts for tightness (eg: motors, compressors). Re-tension as required.
- Check all cabling and glands for any damage and ensure cables are protected from stress, sharp edges and mechanical damage.
- Check electrical enclosure internals to ensure that all components are firm on their bases and have not been dislodged in transit.
- Check all earthing points for secure attachment.
- 4. <u>Putting into service</u>

WARNING

THE INSTALLATION OF THE EQUIPMENT MUST BE PERFORMED BY COMPETENT PERSONNEL.

ENSURE POWER IS ISOLATED ELSEWHERE PRIOR TO OPENING ANY ELECTRCIAL ENCLOSURES OR MOTORS.

ALL INSTALLATION WORK SHALL BE PERFORMED TO THE APPROPRIATE REGULATORY STANDARDS.

For specific instructions related to HVACR pre-start setup and commissioning, refer to the relevant Operation & Maintenance Manual. Any work carried out on the HVACR in preparation for putting into service shall be carried out by competent personnel.

The following steps should be performed to ensure the equipment is ready to be put into service.

- Ensure the HVACR is installed in a location that it designed for regarding hazardous area classification and certification. Refer to individual HVACR certification marking.
- Ensure a correctly rated power supply is connected to the HVACR. For electrical ratings, refer to the relevant Operation & Maintenance Manual.
- Ensure the HVACR is properly connected to site earthing system. The connection shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).
- Check all site installed cabling is properly connected. The connections shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).



- Check all Ex d electrical enclosure flamepaths are in good condition
- Check all cable entry devices and blanking elements for completeness and tightness.
- Check all casing and guards on the HVACR are adequately secured, particularly the services access panels.
- Check all electrical enclosure covers have been secured and fastened.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure installation compliance with hazardous area standards.

5. <u>Periodic Inspection</u>

The periodic inspection of the HVACR assembly shall be carried out only by experienced personnel, whose training has included instruction on the relevant component discipline (eg: refrigeration, mechanical and/or electrical) and hazardous area standards.

The below are the recommended checks that should be carried out at periodic intervals in accordance with site specific requirements.

Check the following:

- Casing and guards are properly secured
- There are no visible unauthorized modifications
- There is no obvious damage to cables.
- Cable entry devices and any blanking elements are complete and tight
- Condition electrical enclosure gaskets is satisfactory
- Electrical connections are tight.
- Earthing connections are secure and in satisfactory condition.

For further information, refer to the relevant Operation & Maintenance Manual.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure ongoing installation compliance with hazardous area standards.



6. Maintenance

Repair or overhaul of any pre-certified hazardous area components is <u>only permitted</u> by a suitably competent & authorized workshop, which requires approval by the manufacturer of the pre-certified component. If in doubt, contact Stolway Holdings Pty Ltd for guidance.

For specific maintenance instructions related any pre-certified components within the HVACR unit, refer to the pre-certified component ex-certificate and instruction manual.

For general maintenance recommendations, refer to the relevant HVACR Operation & Maintenance Manual.

7. Service and Spare Parts

Please contact Stolway for any spare parts requirements. Contact details are as follows:

Stolway Pty Limited

Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia Telephone: +61 (0)2 4262 3000 Facsimile: +61 (0)2 4262 3001 E-mail: spares@stolway.com.au Internet: www.stolway.com.au