1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 12ATEX4162X** Issue: **3**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

5 Applicant: **Stolway Pty Limited**

6 Address: Warehouse 2
91-95 Montague St
Wollongong
NSW 2500
Australia

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-14:2014

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

II (1) 3 G
Ex d e [ia] mb IIB+H2 T3
(Ta = -**°C to +**°C)
** Dependant on items fitted.

Notes:
i. The marking that is shown is a typical example s e 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.
ii. This certificate covers the use of these products for Category 3 applications, any marking that may imply that the products can be used in other applications is applied at the manufacturer's discretion and is there as information for the user/installer.

Project Number 80021400

Signed: J A May

Title: Director of Operations

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

SCHEDULE

TYPE EXAMINATION CERTIFICATE **Sira 12ATEX4162X**
Issue 3

13 **DESCRIPTION OF EQUIPMENT**

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units orporate 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 EN 60079-14. Listed below are the devices that are typically used in the construction of the Air Conditioning and Water Chiller Units, however, other suitably certified devices can be used providing they have been selected by the manufacturer in accordance with their Procedure Document 83.

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.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H_2	T4	-20 to +60°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3 ①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3 ②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3 ③	-20 to +60°C
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to 40°C or +80°C
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Instrument/sensors/actuators	Kema 08ATEX0090 X	Ex d	IIC	T5	-50 to +80°C
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°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/AM/0105/B annexed to the EC-Type examination certificate.

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.

③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following change:

i. The Applicant's and Certificate holders name was changed from Stolway Holdings Pty Limited to Stolway Pty. Limited.

Variation 2 - This variation introduced the following change:

i. 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.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	14 June 2012	R25966B/00	The release of the prime certificate.
1	17 February 2017	R70089376B	This Issue covers the following changes: • Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 1.
2	31 October 2019	1010	Transfer of certificate Sira 12ATEX4162X from Sira Certification Service to CSA Group Netherlands B.V.
3	27 April 2020	R80021400A	The introduction of Variation 2.

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install this equipment taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are used in its construction.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

Certificate Annexe

Certificate Number: **Sira 12ATEX4162X**

Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Unit**

Applicant: **Stolway Pty Limited**

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrial Installation Std General Notes & Diagrams
60107-STD-DE-DP-100	1 of 1	01	14 May 12	HVAC Unit Label ATEX Type Examination Certificate Design Part
60107-STD-EL-SC-100	1 to 2	01	25 May 12	HVACR Unit Schedule of Pre-Certified Components ATEX Type Examination Certificate
Procedure 83	1 of 1	0	09 Mar 12	Selection of ATEX Pre-Certified Components for Use in Explosive Gas Atmospheres

Issue 1

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-DE-DP-100-R03	1 of 1	3	14 Sep 16	HVAC unit label ATEX Type Examination Certificate Design Part

Issue 2. No new drawings were introduced

Issue 3

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-DE-DP-100-R04	1 of 1	4	20 Apr 20	HVAC Unit – Label ATEX 'Type Examination Certificate' Design Part

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 12ATEX4162X** Issue: **2**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

5 Applicant: **Stolway Pty Limited**

6 Address: 9 Charcoal Close
Unanderra 2526
Australia

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

2813

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

II (1) 3 G
Ex d e [ia] mb IIB+H2 T3
(Ta = -**°C to +**°C)
** Dependant on items fitted.

Notes:
i. The marking that is shown is a typical example s e 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.
ii. This certificate covers the use of these products for Category 3 applications, any marking that may imply that the products can be used in other applications is applied at the manufacturer's discretion and is there as information for the user/installer.

Project Number 1010

Signed:

Title: Director of Operations

CSA Group Netherlands B.V.
Utrechseweg 310,
6812 AR, Arnhem,
Netherlands

SCHEDULE

TYPE EXAMINATION CERTIFICATE **Sira 12ATEX4162X**
Issue 2

13 **DESCRIPTION OF EQUIPMENT**

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units orporate 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 EN 60079-14. Listed below are the devices that are typically used in the construction of the Air Conditioning and Water Chiller Units, however, other suitably certified devices can be used providing they have been selected by the manufacturer in accordance with their Procedure Document 83.

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.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H_2	T4	-20 to +60°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3 ①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3 ②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3 ③	-20 to +60°C
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to 40°C or +80°C
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Instrument/sensors/actuators	Kema 08ATEX0090 X	Ex d	IIC	T5	-50 to +80°C
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°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/AM/0105/B annexed to the EC-Type examination certificate.

CSA Group Netherlands B.V.
Utrechseweg 310,
6812 AR, Arnhem,
Netherlands

② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.

③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following change:

i. The Applicant's and Certificate holders name was changed from Stolway Holdings Pty Limited to Stolway Pty. Limited.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	14th June 2012	R25966B/00	The release of the prime certificate.
1	17th February 2017	R70089376B	This Issue covers the following changes: • Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 1.
2	31st October 2019	1010	• Transfer of certificate **Sira 12ATEX4162X** from Sira Certification Service to CSA Group Netherlands B.V..

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install this equipment taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are used in its construction.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

CSA Group Netherlands B.V.
Utrechseweg 310,
6812 AR, Arnhem,
Netherlands

Certificate Annexe

Certificate Number: **Sira 12ATEX4162X**

Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Unit**

Applicant: **Stolway Pty Limited**

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrial Installation Std General Notes & Diagrams
60107-STD-DE-DP-100	1 of 1	01	14 May 12	HVAC Unit Label ATEX Type Examination Certificate Design Part
60107-STD-EL-SC-100	1 to 2	01	25 May 12	HVACR Unit Schedule of Pre-Certified Components ATEX Type Examination Certificate
Procedure 83	1 of 1	0	09 Mar 12	Selection of ATEX Pre-Certified Components for Use in Explosive Gas Atmospheres

Issue 1

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-DE-DP-100-R03	1 of 1	3	14 Sep 16	HVAC unit label ATEX Type Examination Certificate Design Part

CSA Group Netherlands B.V.
Utrechseweg 310,
6812 AR, Arnhem,
Netherlands

1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number: **Sira 12ATEX4162X** Issue: **1**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

5 Applicant: **Stolway Pty Limited**

6 Address: 9 Charcoal Close
Unanderra 2526
Australia

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use specified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:

II (1) 3 G
Ex d e [ia] mb IIB+H2 T3
(Ta = -**°C to +**°C)
** Dependant on items fitted.

Notes:

i. 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.

ii. This certificate covers the use of these products for Category 3 applications, any marking that may imply that the products can be used in other applications is applied at the manufacturer's discretion and is there as information for the user/installer.

Project Number 70089376

R A Craig
Certification Support Officer

Sira Certification Service
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Hawarden, CH5 3US, United Kingdom
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Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

SCHEDULE

TYPE EXAMINATION CERTIFICATE **Sira 12ATEX4162X**
Issue 1

13 **DESCRIPTION OF EQUIPMENT**

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 EN 60079-14. Listed below are the devices that are typically used in the construction of the Air Conditioning and Water Chiller Units, however, other suitably certified devices can be used providing they have been selected by the manufacturer in accordance with their Procedure Document 83.

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.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H_2	T4	-20 to +60°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3 1	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3 2	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3 3	-20 to +60°C
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to 40°C or +80°C
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Instrument/sensors/actuators	Kema 08ATEX0090 X	Ex d	IIC	T5	-50 to +80°C
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°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/AM/0105/B annexed to the EC-Type examination certificate.

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Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
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Fax: +44 (0) 1244 681330
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Web: www.csagroupuk.org

2 The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.

3 The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following change:

i. The Applicant's and Certificate holders name was changed from Stolway Holdings Pty Limited to Stolway Pty. Limited.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	14 June 2012	R25966B/00	The release of the prime certificate.
1	17 February 2017	R70089376B	This Issue covers the following changes: • Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 1.

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install this equipment taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are used in its construction.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

17.3 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.

17.4 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.

17.5 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.

17.6 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.

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Certificate Annexe

Certificate Number: **Sira 12ATEX4162X**

Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

Applicant: **Stolway Pty Limited**

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrial Installation Std General Notes & Diagrams
60107-STD-DE-DP-100	1 of 1	01	14 May 12	HVAC Unit Label ATEX Type Examination Certificate Design Part
60107-STD-EL-SC-100	1 to 2	01	25 May 12	HVACR Unit Schedule of Pre-Certified Components ATEX Type Examination Certificate
Procedure 83	1 of 1	0	09 Mar 12	Selection of ATEX Pre-Certified Components for Use in Explosive Gas Atmospheres

Issue 1

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-DE-DP-100-R03	1 of 1	3	14 Sep 16	HVAC unit label ATEX Type Examination Certificate Design Part

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1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX4162X** Issue: **0**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

5 Applicant: **Stolway Holdings Pty Limited**

6 Address: 9 Charcoal Close
Unanderra
2526
Australia

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements relies on the devices used in the construction of the devices being previously certified; see description in the certificate schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:

II (1) 3 G
Ex d e [ia] mb IIB+H2 T3
(Ta = -**°C to +**°C)
** Dependant on items fitted.

Notes:

i. 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.

ii. This certificate covers the use of these products for Category 3 applications, any marking that may imply that the products can be used in other applications is applied at the manufacturer's discretion and is there as information for the user/installer.

Project Number 25966

C Ellaby
Deputy Certification Manager

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SCHEDULE

TYPE EXAMINATION CERTIFICATE **Sira 12ATEX4162X**
Issue 0

13 **DESCRIPTION OF EQUIPMENT**

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 EN 60079-14. Listed below are the devices that are typically used in the construction of the Air Conditioning and Water Chiller Units, however, other suitably certified devices can be used providing they have been selected by the manufacturer in accordance with their Procedure Document 83.

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.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H_2	T4	-20 to +60°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3 ①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3 ②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3 ③	-20 to +60°C
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H_2	T6, T5, T4 or T3	-20 to 40°C or +80°C
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Instrument/sensors/actuators	Kema 08ATEX0090 X	Ex d	IIC	T5	-50 to +80°C
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°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/AM/0105/B annexed to the EC-Type examination certificate.

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② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.

③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	14 June 2012	R25966B/00	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The user/installer shall install this equipment taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are used in its construction.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 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.

17.4 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.

17.5 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.

17.6 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.

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Certificate Annexe

Certificate Number: **Sira 12ATEX4162X**

Equipment: **Type 'ST' Air Conditioning Units (HVAC) and Type 'ST' Water Chiller Units**

Applicant: **Stolway Holdings Pty Limited**

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrial Installation Std General Notes & Diagrams
60107-STD-DE-DP-100	1 of 1	01	14 May 12	HVAC Unit Label ATEX Type Examination Certificate Design Part
60107-STD-EL-SC-100	1 to 2	01	25 May 12	HVACR Unit Schedule of Pre-Certified Components ATEX Type Examination Certificate
Procedure 83	1 of 1	0	09 Mar 12	Selection of ATEX Pre-Certified Components for Use in Explosive Gas Atmospheres

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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 pre-certified 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
Type:	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):	CE ”nnnn” Ex II 2 G
ATEX & IECEx:	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

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. Putting into service

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. Periodic Inspection

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 only permitted 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