

NA Synchronous Condenser Market - Industry Trends and Forecast to 2030

Market Report | 2023-06-01 | 136 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Corporate Users License \$4200.00

Report description:

North America synchronous condenser market is expected to reach USD 1,159,185.00 thousand by 2030 from USD 868,947.63 thousand in 2022 with a CAGR of 3.7% in the forecast period from 2023 to 2030. The new market report contains data for the historic year 2021, the base year of calculation is 2022, and the forecast period is 2023 to 2030.

Market Segmentation:

North America Synchronous Condenser Market, By Cooling Technology (Hydrogen Cooled Synchronous Condenser, Air-Cooled Synchronous Condenser, and Water Cooled Synchronous Condenser), Starting Method (Static Frequency Convertor, Pony Motor, and Others), Reactive Power Rating (Above 200 MVAR, 101-200 MVAR, 61-100 MVAR, 31-60 MVAR, and 0-30 MVAR), End-User (Electrical Utilities and Industrial Sectors), Type (New Synchronous Condenser and Refurbished Synchronous Condenser), Design (Salient Pole Design and Cylindrical Rotor Design), No. of Poles (4 to 8, Less Than 4, and More Than 8), Excitation System Type (Static Excitation and Brushless Excitation System), Country (U.S., Canada, and Mexico) - Industry Trends and Forecast to 2030
Overview of North America Synchronous Condenser Market Dynamics:

Driver:

- Growing need for integrated systems in power plants

Restraint:

- Stringent standards related to synchronous condenser

Opportunity:

- Increase in investments on R&D to develop efficient synchronous condenser

Market Players

Some of the major players operating in the North America synchronous condenser market are:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Doosan Skoda Power
- General Electric
- Eaton
- ABB
- Ansaldo Energia
- WEG
- Siemens Energy
- IDEAL ELECTRIC POWER CO
- ANDRITZ
- Mitsubishi Electric Power Products, Inc.
- Power Systems & Controls, Inc.
- Baker Hughes Company
- Shanghai Electric
- INGETEAM, S.A.
- Hitachi Energy Ltd.

Table of Contents:

TABLE OF CONTENTS	
1 INTRODUCTION	29
1.1 OBJECTIVES OF THE STUDY	29
1.2 MARKET DEFINITION	29
1.3 OVERVIEW OF THE NORTH AMERICA SYNCHRONOUS CONDENSER MARKET	29
1.4 CURRENCY AND PRICING	32
1.5 LIMITATIONS	32
1.6 MARKETS COVERED	32
2 MARKET SEGMENTATION	35
2.1 MARKETS COVERED	35
2.2 YEARS CONSIDERED FOR THE STUDY	36
2.3 GEOGRAPHIC SCOPE	37
2.4 DBMR TRIPOD DATA VALIDATION MODEL	38
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	41
2.6 DBMR MARKET POSITION GRID	42
2.7 VENDOR SHARE ANALYSIS	44
2.8 MULTIVARIATE MODELLING	45
2.9 COOLING TECHNOLOGY CURVE	46
2.10 MARKET END-USER COVERAGE GRID	47
2.11 SECONDARY SOURCES	48
2.12 ASSUMPTIONS	48
3 EXECUTIVE SUMMARY	49
4 PREMIUM INSIGHTS	52
5 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY COOLING TECHNOLOGY	53
5.1 OVERVIEW	54
5.2 HYDROGEN COOLED SYNCHRONOUS CONDENSER	55
5.3 AIR-COOLED SYNCHRONOUS CONDENSER	56

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.4 WATER COOLED SYNCHRONOUS CONDENSER	56
6 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY STARTING METHOD	57
6.1 OVERVIEW	58
6.2 STATIC FREQUENCY CONVERTOR	59
6.3 PONY MOTOR	60
6.4 OTHERS	60
7 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY REACTIVE POWER RATING	61
7.1 OVERVIEW	62
7.2 ABOVE 200 MVAR	63
7.3 101-200 MVAR	64
7.4 61-100 MVAR	64
7.5 31-60 MVAR	65
7.6 0-30 MVAR	65
8 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY END USER	66
8.1 OVERVIEW	67
8.2 ELECTRICAL UTILITIES	68
8.3 INDUSTRIAL SECTORS	68
9 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY TYPE	69
9.1 OVERVIEW	70
9.2 NEW SYNCHRONOUS CONDENSER	71
9.3 REFURBISHED SYNCHRONOUS CONDENSER	71
10 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY DESIGN	72
10.1 OVERVIEW	73
10.2 SALIENT POLE DESIGN	74
10.3 CYLINDRICAL ROTOR DESIGN	74
11 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY NO. OF POLES	75
11.1 OVERVIEW	76
11.2 4 TO 8	77
11.3 LESS THAN 4	78
11.4 MORE THAN 8	78
12 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY EXCITATION SYSTEM TYPE	79
12.1 OVERVIEW	80
12.2 STATIC EXCITATION	81
12.3 BRUSHLESS EXCITATION SYSTEM	82
13 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, BY REGION	83
13.1 NORTH AMERICA	84
13.1.1 U.S.	92
13.1.2 CANADA	95
13.1.3 MEXICO	98
14 NORTH AMERICA SYNCHRONOUS CONDENSER MARKET, COMPANY LANDSCAPE	101
14.1 COMPANY SHARE ANALYSIS: NORTH AMERICA	101
15 COMPANY PROFILE	102
15.1 GENERAL ELECTRIC	102
15.1.1 COMPANY SNAPSHOT	102
15.1.2 REVENUE ANALYSIS	102
15.1.3 COMPANY SHARE ANALYSIS	103
15.1.4 PRODUCT PORTFOLIO	103

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

15.1.5 RECENT DEVELOPMENTS	103
15.2 ABB	105
15.2.1 COMPANY SNAPSHOT	105
15.2.2 REVENUE ANALYSIS	105
15.2.3 COMPANY SHARE ANALYSIS	106
15.2.4 PRODUCT PORTFOLIO	106
15.2.5 RECENT DEVELOPMENTS	106
15.3 EATON	108
15.3.1 COMPANY SNAPSHOT	108
15.3.2 REVENUE ANALYSIS	109
15.3.3 COMPANY SHARE ANALYSIS	109
15.3.4 SERVICE PORTFOLIO	110
15.3.5 RECENT DEVELOPMENTS	110
15.4 BAKER HUGHES COMPANY	111
15.4.1 COMPANY SNAPSHOT	111
15.4.2 REVENUE ANALYSIS	111
15.4.3 COMPANY SHARE ANALYSIS	112
15.4.4 PRODUCT & SERVICES PORTFOLIO	112
15.4.5 RECENT DEVELOPMENTS	112
15.5 ANDRITZ	113
15.5.1 COMPANY SNAPSHOT	113
15.5.2 REVENUE ANALYSIS	113
15.5.3 COMPANY SHARE ANALYSIS	114
15.5.4 PRODUCT PORTFOLIO	114
15.5.5 RECENT DEVELOPMENTS	114
15.6 ANSALDO ENERGIA	115
15.6.1 COMPANY SNAPSHOT	115
15.6.2 REVENUE ANALYSIS	115
15.6.3 PRODUCT PORTFOLIO	116
15.6.4 RECENT DEVELOPMENTS	116
15.7 DOOSAN SKODA POWER	117
15.7.1 COMPANY SNAPSHOT	117
15.7.2 PRODUCT PORTFOLIO	117
15.7.3 RECENT DEVELOPMENTS	117
15.8 HITACHI ENERGY LTD	118
15.8.1 COMPANY SNAPSHOT	118
15.8.2 REVENUE ANALYSIS	119
15.8.3 PRODUCT PORTFOLIO	119
15.8.4 RECENT DEVELOPMENTS	120
15.9 IDEAL ELECTRIC POWER CO.	121
15.9.1 COMPANY SNAPSHOT	121
15.9.2 PRODUCT PORTFOLIO	121
15.9.3 RECENT DEVELOPMENT	121
15.10 INGETEAM	122
15.10.1 COMPANY SNAPSHOT	122
15.10.2 PRODUCT PORTFOLIO	122
15.10.3 RECENT DEVELOPMENT	122

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

NA Synchronous Condenser Market - Industry Trends and Forecast to 2030

Market Report | 2023-06-01 | 136 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-10"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com