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Industry, Trade
and Commerce

Industrie
et Commerce

Import Analysis

Analyse des importations

Pub. No. 01781 - A

ELECTRIC GENERATORS

APRIL, MAY AND JUNE 1980

**MATERIAL APPEARING IN SECTION III OF THIS REPORT MUST
NOT BE REPRINTED WITHOUT PRIOR PERMISSION FROM THE
IMPORT ANALYSIS**

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C O N T E N T S

- SECTION I - Scope of Analysis
- SECTION II - Canadian Production
- SECTION III - Analysis of Imports - Table I
- Table II
- SECTION IV - List of Foreign Exporters
- SECTION V - Import Trends
- SECTION VI - Canadian and Foreign Tariffs

- REFERENCES: (1) Customs Tariff: Items 42700-1, 42701-1
and 44514-1
- (2) Trade of Canada Imports:
Import Classes 503-09 and 503-15

SECTION I

SCOPE OF ANALYSIS

This report is based on a detailed analysis of imports of electric generators as listed in Section III during April, May and June 1980. These generators are normally included in the following Statistics Canada Import Classes:

- 503-09 Generators, alternating current
- 503-15 Self-Contained generators sets and lighting outfits n.e.s.

During the years 1975 to 1980 imports of alternating current generators increased at an average annual rate of six per cent in terms of dollar value. During the same period imports of self-contained generator sets and lighting outfits n.e.s increased at an average annual rate of four per cent in terms of dollar value, see Section IV.

SECTION II

CANADIAN PRODUCTION

Statistics Canada reports only Canadian production of electric A.C. generators and parts from large establishments for 1977 and 1978, latest years available, as follows:

<u>Products</u>	<u>1978</u> \$,000	<u>1977</u> \$,000
Electric A.C. Generators & Parts	68,506	56,601

SOURCE: Statistics Canada

SECTION III

ANALYSIS OF IMPORTS

Imports of electric generators during April to June 1980 amounted to \$10,197,632. U.S.A. was the major country of origin, accounting for 81 per cent of the total value (Table I). Highlights of the results are given in this summary table:

<u>Description</u>	<u>Quantity</u> (No.)	<u>Value</u> (\$)
Generators, A.C.	1,384	5,486,731
Self-Contained Sets	1,869	4,710,901

Full details of the analysis are provided in the following table.

TABLE I (Cont'd)

Type	Quantity (No.)	Value (\$)	Average Unit Price (\$)	ENGINE POWERED			COUNTRY OF ORIGIN		REGION OF ENTRY			
				Gas (% of Value)	Diesel (% of Value)	Wind Driven	USA (% of Value)	Other ⁽¹⁾ (% of Value)	Atlantic	Que.	Ont.	West
<u>Self-Contained Sets</u>												
Up to 2 KW	442	143,731	325	94	3	3	34	66	-	16	27	57
Over 2 to 3 KW	393	311,432	792	47	53	-	99	*	19	21	25	35
Over 3 to 4 KW	263	199,815	760	99	*	-	94	6	6	23	16	55
Over 4 to 5 KW	147	242,191	1,648	92	18	-	100	-	-	15	21	65
Over 5 to 10 KW	193	437,690	2,268	33	67	-	86	14	6	18	24	53
Over 10 to 25 KW	137	510,744	3,728	40	60	-	100	-	8	32	24	36
Over 25 to 50 KW	53	283,451	5,017	50	50	-	100	-	3	3	36	58
Over 50 to 100 KW	27	177,821	6,586	41	59	-	88	12	14	6	19	61
Over 100 KW	19	2,212,812	105,713	-	100	-	64	36	1	58	38	3
Now Shown	195	191,214	981	47	51	2	87	13	3	1	44	52
TOTAL	1,869	4,710,901										
GRAND TOTAL		10,197,632										

NOTES: (1) - Other countries by descending order of dollar values:

West Germany	\$918,897
United Kingdom	509,511
France	352,523
Japan	104,544
Sweden, Italy, Australia & Netherlands	70,202
	<u>\$1,955,677</u>

- * - Less than one per cent
- Dollar values shown are based on selling price F.O.B. plant, in Canadian dollars.
- A number of documents representing approximately \$138,000 imports were not available for analysis, and therefore are not included in this report due to the sampling technique used by Statistics Canada. The methodology used by Statistics Canada is described in the first pages of the "Trade of Canada Imports", Catalogue 65-007.

TABLE II
PARTS AND ACCESSORIES FOR GENERATORS, N.E.S.
APRIL, MAY AND JUNE 1980

The data in this table consists of CITC classes not included in Table I. It was obtained from summary records provided by Statistics Canada, and is presented to supplement the detailed data of Table I.

<u>Class</u>	<u>Commodity Description</u>	<u>Value</u> <u>(\$)</u>
503 19-31	Armatures & Rotors, AC Generator	30,716
503 19-34	Stators, AC Generator	21,206
503 19-39	Armatures, Electric Generator, N.E.S.	*
503 19-40	Frames, AC Generator	*
503 19-43	Coils, Generators, Electrical	40,279
503 19-50	Generators, AC Accessories for	162,784
503 19-70	Exciters, Integral part, AC Generator	*
503 19-80	Terminals, Generator, AC	16,126
503 19-89	Generators, Electrical, AC Parts of N.E.S.	1,668,388
	TOTAL (*)	<u>10,770</u>
GRAND TOTAL		1,950,269

NOTES: CITC - Canadian International Trade Classification

* - Confidential

N.E.S.- Not elsewhere specified

SECTION IV

FOREIGN EXPORTERS TO CANADA

Major exporters to Canada of generators as listed in Section III (Table I only), with total shipments of \$25,000 and over are listed below. They accounted for 89 per cent of values shown in Section III (in descending order of dollar values of exports to Canada).

<u>NAME</u>	<u>ADDRESS</u>	
General Motors Corp:		
Delco Products Div.	Dayton, OH	USA
Electro Motive Div.	La Grange, IL	USA
Onan	Minneapolis, MN	USA
General Electric Co.	Erie, PA	USA
Aramco, North Supply Div.	Houston, TX	USA
Krupp Mak Maschinen		West Germany
Kato Engineering International	Mankato, MN	USA
Newage Equipment Ltd.	Stamford Lines	U.K.
Leroy Somers.	Bordeaux	France
Kohler Co.	Kohler, WI	USA
Siemens Erlangen		West Germany
McCulloch Mite-E-Lite Inc.	Wellsville, NY	USA
Winpower Corp	Newton, IA	USA
Generac Corp.	Waukesha, WI	USA
T.A. Pelsue Co.	Englewood, CO	USA
Honda Motors	Tokyo	Japan
Homelite Terry	Gastonia, NC	USA
Fidelity Elec. Co.	Lancaster, PA	USA
Hawker Siddeley	Manchester	U.K.
Unit Rig. Equip.	Tulsa, OK	USA
Tractor & Equip.	Billings, MT	USA
Winco, Div. of Dyna Tech. Inc.	Le Center, MN	USA
Pioneer Generators Corp.	Chicago, IL	USA
Norsk Elktrisks Brown & Bover		Norway
Allmand Bros. Inc.	Holdrege, NE	USA
Lima Energy Products Co. Inc.	Lima, OH	USA
Babson Bros. Export Co.	Oak Brook, IL	USA
John Deere	Rock Island, IL	USA
Wagner Equip.	Commerce City, CO	USA
DMT Corp.	New Berlin, WI	USA
Arnhort Elect.	San Diego, CA	USA
Cadiz Mfg. Co.	Cadiz, OH	USA

NOTE: The location indicated for each company does not necessarily mean that exports originated from only that one location. In some instances plants located in other cities may be involved.

SECTION V

IMPORT TRENDS

Imports by major country of export.

Import Class 503-09 "Generators, alternating current"

Calendar Years 1975-1980

Country of Export	1975		1976		1977		1978		1979		1980		% GROWTH P.A. 1975-1980	
	No.	\$,000	No.	\$,000	No.	\$,000	No.	\$,000	No.	\$,000	No.	\$,000	Qty.	Value
USA	5,603	13,513	10,163	12,989	10,033	9,252	4,957	11,536	5,052	20,007	3,697	17,293	- 8	+ 5
Other	2,166	4,023	1,302	3,787	1,037	1,807	1,487	3,182	3,635	12,222	3,053	5,931	+ 7	+ 8
TOTAL	7,769	17,536	11,465	16,776	11,170	11,059	6,444	14,718	8,687	32,229	6,750	23,224	- 3	+ 6

Import Class 503-15 "Self-Contained generator sets and lighting outfits n.e.s."

USA	12,982	15,164	26,725	20,148	19,243	16,868	9,638	13,644	11,814	18,022	9,351	16,832	- 6	+ 2
Other	1,807	2,252	3,144	1,077	1,033	7,339	3,188	2,011	2,671	2,930	801	4,647	- 15	+ 15
TOTAL	14,789	17,416	29,869	21,225	20,276	24,207	12,826	15,655	14,485	20,952	10,152	21,479	- 7	+ 4

SOURCE: Statistics Canada

SECTION VI

CANADIAN AND FOREIGN TARIFFS

CANADA

Electric generators included in this analysis were dutiable under the following most commonly applied tariff items.

<u>*Tariff Item</u>	<u>Description</u>	<u>British Preferential Tariff</u>	<u>Most Favoured Nation Tariff</u>	<u>General Tariff</u>	<u>General Preferential Tariff</u>	<u>U.K. & Ireland</u>
42700-1	Machines, n.o.p., and accessories, attachments, control equipment and tools for use therewith; parts of the foregoing.....	2.5%	14.3%	35%	2.5%	5.5%
42701-1	Articles which otherwise would be classified under tariff items 427001 to 42700-4, namely: compressors sets, electricity generating sets, etc.....	2.5%	14.3%	35%	2.5%	14.5%
44514-1	Electric dynamos or generators and transformers, and complete parts thereof, n.o.p.	14.3%	14.3%	37.5%	9.5%	14.3%

*Tariff items and rates of duty are subject to change, and need to be verified by direct reference to:

Customs Programs Branch, Secretariat
Department of National Revenue
Customs and Excise
OTTAWA K1A 0L5

FOREIGN COUNTRIES

Inquiries concerning tariffs and other government trade regulations in foreign countries should be directed to:

International Bureaux
Department of Industry, Trade and Commerce
OTTAWA K1A 0H5

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