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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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ELECTRIC MOTORS AND GENERATORS - 1934.

Factory sales of electric motors in Canada during 1934 numbered 139,956 units valued at \$3,225,053 including 128,161 motors worth \$1,220,430 which were rated at 1/3 horse power and less. The production of motors of all kinds numbered 143,580 units and the number in stock at the end of the year was 10,932.

Factory sales of generators were reported at 119 units valued at \$582,791. Included in these sales were 23 alternating current generators at \$463,608 and 96 direct current generators at \$95,617.

Imports of dynamos, generators and motors into Canada during 1934 were appraised at \$1,375,941 as compared with 1,084,604 in 1933 and \$1,353,384 in 1932. Exports were valued at \$79,589 in 1934, \$56,926 in 1933, and \$33,009 in 1932.

**Table 1 - PRODUCTION AND FACTORY SALES OF ELECTRIC GENERATORS AND ELECTRIC MOTORS, 1934 and STOCKS ON HAND DECEMBER 31, 1934.**

	Inven-	FACTORY		SALES
	tory	Quantity	Quan-	Income
	Dec. 31, 1934	Made 1934	ty Sold	from Sales
	No.	No.	No.	\$
<b>Generators (excluding double current generators)</b>				
Alternating current .....	...	23	23	463,608
Direct current and including excitors .....	83	92	96	95,617
Accessories and parts for generators .....	...	...	...	23,566
Total Generators .....	83	115	119	582,791
 <b>Motors (excluding starting motors) -</b>				
1/3 h.p. and under .....	8,165	132,035	128,161	1,220,430
Over 1/3 to 5 h.p. - single phase - A.C. ....	705	3,993	4,273	228,358
Over 1/3 to 5 h.p. - induction .....	1,490	5,804	5,704	368,211
Over 1/3 to 5 h.p. - D.C. ....	62	63	78	10,666
Over 5 to 200 h.p. - induction .....	478	1,601	1,653	422,135
Over 5 to 200 h.p. - D.C. ....	28	22	23	19,644
201 h.p. and over - induction .....	2	16	17	53,831
201 h.p. and over - D.C. ....	...	2	3	19,741
Synchronous condensers and motors .....	2	44	44	103,145
Starting and control equipment .....	...	...	...	580,441
Accessories and parts for motors .....	...	...	...	198,451
Total Motors .....	10,932	143,580	139,956	3,225,053

NOTE - Figures for 1934 are preliminary and subject to revision on further examination of reports made by the producers.

**Table 2 - PRODUCTION OF ELECTRIC GENERATORS AND ELECTRIC MOTORS IN CANADA, 1932 and 1933.**

	Total Number	Selling value at works	
<b>1 9 3 2</b>			
<b>Generators (excluding double current generators) -</b>			
Alternating current .....	39	428,604 K.V.A.	3,357,939
Direct current .....	61	...	87,986
Total Generators .....	100	...	3,445,925
 <b>Motors (excluding starting motors) -</b>			
1/3 h.p. and under .....	70,879	16,677 H.P.	800,081
Over 1/3 to 5 h.p. - single phase - A.C. ....	3,763	4,989 H.P.	209,843
Over 1/3 to 5 h.p. - induction .....	2,655	5,405 H.P.	145,400
Over 1/3 to 5 h.p. - D.C. ....	30	32 H.P.	2,760
Over 5 to 200 h.p. - induction .....	1,307	29,761 H.P.	405,507
Over 5 to 200 h.p. - D.C. ....	16	1,267 H.P.	31,602

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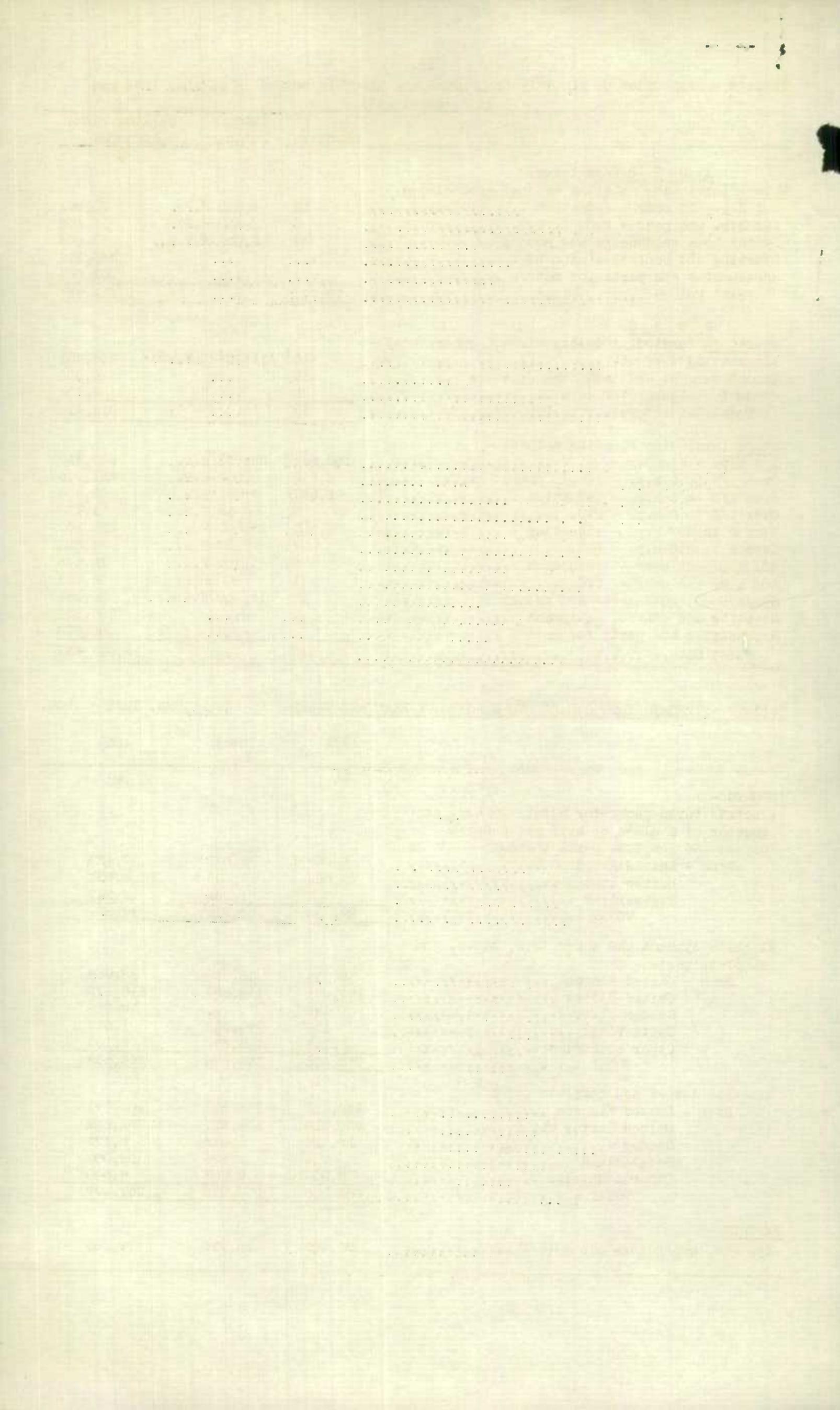
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Table 2 - PRODUCTION OF ELECTRIC GENERATORS AND ELECTRIC MOTORS IN CANADA, 1932 and 1933 (concluded)

	Number	Total rating	Selling value at works
<u>1 9 3 2 (concluded)</u>			
<u>Motors (excluding starting motors) - (concluded)</u>			
201 h.p. and over - induction .....	12	4,330 H.P.	30,891
201 h.p. and over - D.C. ....	6	2,850 H.P.	57,152
Synchronous condensers and motors .....	34	9,059 K.V.A.	79,606
Starting and control equipment .....	...	...	388,247
Accessories and parts for motors .....	...	...	101,862
Total Motors .....	78,702	...	2,252,951
<u>1 9 3 3</u>			
<u>Generators (excluding double current generators) -</u>			
Alternating current .....	16	116,236 K.V.A.	806,481
Direct current and including excitors .....	19	...	6,000
Steam turbo-generator sets .....	25	...	2,634
Total Generators .....	60	...	815,115
<u>Motors (excluding starting motors) -</u>			
1/3 h.p. and under .....	100,841	22,733 H.P.	980,240
Over 1/3 to 5 h.p. - single phase - A.C. ....	3,640	5,048 H.P.	221,040
Over 1/3 to 5 h.p. - induction .....	2,627	7,897 H.P.	196,958
Over 1/3 to 5 h.p. - D.C. ....	9	19 H.P.	1,115
Over 5 to 200 h.p. - induction .....	1,357	23,583 H.P.	297,462
Over 5 to 200 h.p. - D.C. ....	7	127 H.P.	4,801
201 h.p. and over - induction .....	5	1,700 H.P.	18,445
201 h.p. and over - D.C. ....	1	800 H.P.	14,963
Synchronous condensers and motors .....	23	14,980 K.V.A.	96,151
Starting and control equipment .....	...	...	399,853
Accessories and parts for motors .....	...	...	80,603
Total Motors .....	108,510	...	2,311,631

Table 3 - IMPORTS INTO CANADA AND EXPORTS OF ELECTRIC GENERATORS AND MOTORS, 1932 - 1934.

	1932	1933	1934
<u>IMPORTS -</u>			
Electric turbo-generator sets, 700 h.p. or greater of a class or kind not made in Canada and complete parts thereof -			
From - United Kingdom .....	5,287	85,077	27,483
United States .....	21,899	9,536	4,551
Switzerland .....	744	1,055	17,247
TOTAL .....	27,930	95,714	49,811
Electric dynamos and generators, other, and complete parts -			
From - United Kingdom .....	39,313	18,006	32,948
United States .....	197,074	118,859	216,672
Sweden .....	196	...	10,258
Switzerland .....	158	253,313	1,655
Other countries .....	6,147	3,640	3,100
TOTAL .....	242,888	393,818	264,633
Electric motors and complete parts -			
From - United Kingdom .....	210,415	116,211	184,171
United States .....	837,618	468,937	832,222
Sweden .....	25,724	5,415	5,477
Switzerland .....	...	126	33,087
Other countries .....	8,809	4,383	6,540
TOTAL .....	1,082,566	595,072	1,061,497
<u>EXPORTS -</u>			
DYNAMOS, generators and motors .....	33,009	56,926	79,589



LIST OF PRODUCERS OF ELECTRIC GENERATORS AND MOTORS IN CANADA, 1934.

Names of Firms

Addresses

(a) ELECTRIC MOTORS

Canadian Crocker-Wheeler Co. Ltd.	George St., St. Catharines, Ont.
Canadian General Electric Co. Ltd.	212 King St. W., Toronto, Ont. (Plants at Peterborough, Ont., and Toronto, Ont.)
Canadian Westinghouse Co. Ltd.	Sanford Ave., Hamilton, Ont.
Commonwealth Electric Corporation Limited	Welland, Ont.
Jones and Moore Electric Co. Ltd.	296 Adelaide St. W., Toronto, Ont.
Leland Electric of Canada, Ltd.	9 Duke St., Toronto, Ont.
Lincoln Electric Co. of Canada, Ltd.	65 Bellwoods Ave., Toronto, Ont.
McKinnon Industries Limited	St. Catharines, Ont.
Robbins & Myers Co. of Canada, Ltd.	Morrell St., Brantford, Ont.
Sangamo Electric Co. of Canada, Ltd.	183 George St., Toronto, Ont.

(b) GENERATORS

Canadian Crocker-Wheeler Co. Ltd.	George St., St. Catharines, Ont.
Canadian General Electric Co. Ltd.	212 King St. W., Toronto, Ont. (plant at Peterborough, Ont.)
Canadian Westinghouse Co. Ltd.	Sanford Ave., Hamilton, Ont.
Robbins & Myers Co. of Canada, Ltd.	Morrell St., Brantford, Ont.

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