

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

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Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

## ANNUAL COMMODITY BULLETIN

## ELECTRIC MOTORS AND GENERATORS, 1935.

Factory sales of electric motors by Canadian producers numbered 162,341 units valued at \$2,881,166 in 1935 as compared with 139,956 units at \$2,446,161 in 1934. The 1935 total included 148,346 motors which were rated at 1/3 horse power and under, 11,994 motors at over 1/3 to 5 horse power, 1,932 motors at over 5 to 200 horse power, 26 motors at 201 horse power and over, and 43 synchronous condensers and motors.

Factory sales of generators were reported at 86 units valued at \$1,428,388. Included in these sales were 53 alternating current generators at \$1,397,138 and 33 direct current generators at \$31,250.

Imports of electro turbo-generator sets were valued at \$186,847 in 1935, other electric generators and parts were worth \$247,890 and electric motors and parts were appraised at \$1,099,791. The total value of importations under these headings was \$1,534,528 compared with \$1,375,941 in 1934.

Exports of dynamos, generators and motors were valued at \$167,398 in 1935 as against \$79,589 in 1934.

Table 1 - PRODUCTION IN CANADA AND FACTORY SALES OF ELECTRIC GENERATORS AND ELECTRIC MOTORS, 1935, and STOCKS ON HAND DECEMBER 31, 1935.

	Inven- tory Dec. 31, 1935 No.	Quantity Made 1935 No.	FACTORY SALES	
			Quan- tity Sold No.	Selling value at works \$
<b>Generators (excluding double current generators)</b>				
Alternating current .....	8	52	53	1,397,138
Direct current and including exciters .....	6	68	33	31,250
Total Generators .....	14	120	86	1,428,388
<b>Motors (excluding starting motors) -</b>				
1/3 h.p. and under .....	15,367	152,277	148,346	1,326,616
Over 1/3 to 5 h.p. - single phase - A.C. ....	968	6,744	6,474	340,537
Over 1/3 to 5 h.p. - induction .....	1,161	5,651	5,453	482,915
Over 1/3 to 5 h.p. - D.C. ....	55	67	67	6,091
Over 5 to 200 h.p. - induction .....	557	1,918	1,887	516,615
Over 5 to 200 h.p. - D.C. ....	12	45	45	47,488
201 h.p. and over - induction .....	2	23	23	66,705
201 h.p. and over - D.C. ....	...	3	3	19,677
Synchronous condensers and motors .....	2	43	43	74,522
Starting and control equipment .....	...	...	...	588,456
Accessories and parts for motors .....	...	...	...	122,406
Total Motors .....	...	...	...	3,592,028

NOTE - Figures for 1935 are preliminary and subject to revision on further examination of reports made by the producers.

CONFIDENTIAL

MEMORANDUM FOR THE DIRECTOR

FROM: SAC, NEW YORK (100-100000)

SUBJECT: [Illegible]

RE: [Illegible]

DATE: [Illegible]

100-100000

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Table 2 - PRODUCTION IN CANADA AND FACTORY SALES OF ELECTRIC GENERATORS AND ELECTRIC MOTORS, 1934, and STOCKS ON HAND DECEMBER 31, 1934.

	Inven-	Quantity	FACTORY SALES	
	tory Dec. 31, 1934		Quan- tity Sold	Selling value at works
	No.	No.	No.	\$
<u>Generators (excluding double current generators)</u>				
Alternating current .....	...	26	23	463,608
Direct current and including exciters .....	83	71	96	95,617
Accessories and parts for generators .....	...	...	...	23,566
Total Generators .....	83	97	119	582,791
<u>Motors (excluding starting motors) -</u>				
1/3 h.p. and under .....	8,165	130,776	128,161	1,220,430
Over 1/3 to 5 h.p. - single phase - A.C. ....	705	3,970	4,273	228,358
Over 1/3 to 5 h.p. - induction .....	1,490	4,994	5,704	368,211
Over 1/3 to 5 h.p. - D.C. ....	62	81	78	10,666
Over 5 to 200 h.p. - induction .....	478	1,600	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 .....	...	...	...	3,225,053

Table 3 - IMPORTS INTO CANADA AND EXPORTS OF ELECTRIC GENERATORS AND MOTORS, 1933-1935

	1933	1934	1935
	\$	\$	\$
<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 .....	85,077	27,483	162,412
United States .....	9,536	4,551	17,776
Switzerland .....	1,055	17,747	5,929
TOTAL .....	95,714	49,811	186,847
Electric dynamos and generators, other, and complete parts -			
From - United Kingdom .....	18,006	32,948	47,130
United States .....	118,859	216,672	192,472
Sweden .....	...	10,258	...
Switzerland .....	253,313	1,655	...
Other countries .....	3,640	3,100	8,288
TOTAL .....	393,818	264,633	247,890
Electric motors and complete parts -			
From - United Kingdom .....	116,211	184,171	210,406
United States .....	468,937	832,222	867,801
Sweden .....	5,415	5,477	13,828
Switzerland .....	126	33,089	1,990
Other countries .....	4,383	6,538	5,766
TOTAL .....	595,072	1,061,497	1,099,791
<u>EXPORTS -</u>			
Dynamos, generators and motors .....	56,926	79,589	167,398





LIST OF PRODUCERS OF ELECTRIC GENERATORS AND MOTORS IN CANADA,  
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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.
Hoover Co. Ltd.	Gage Ave. and Barton St., Hamilton, Ont.
Jones and Moore Electric Co. Ltd.	296 Adelaide St. W., Toronto, Ont.
Leland Electric Co. 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.
Square D Company of Canada, Ltd. (x)	672 Dupont 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.

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(x) Makes parts only.



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