

HF
3221
A4
no.
80027-A

Government
of Canada

Gouvernement
du Canada

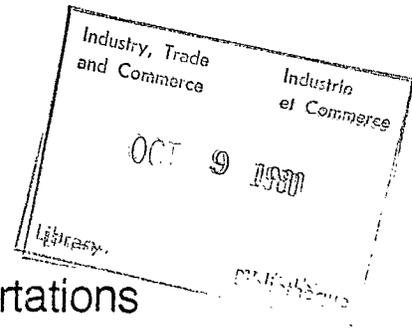
Industry, Trade
and Commerce

Industrie
et Commerce

Import Analysis

Analyse des importations

Pub. No. 02780 - A



ELECTRIC MOTORS, STATORS AND ROTORS

1976, 1977 AND 1978

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

Further information available from Import
Analysis, Corporate Systems Branch,
Industry, Trade & Commerce, Ottawa Canada,
K1A 0H5

Pour plus amples renseignements s'adresser à
l'Analyse des importations, Direction des
systèmes intégrés, Industrie et Commerce,
Ottawa Canada, K1A 0H5

1073-0

C O N T E N T S

SECTION I - Introduction of Analysis

SECTION II - Analysis of Imports

Table 1 - AC Electric Motors

Table 2 - DC Electric Motors

Table 3 - Brakemotors, Electrical
- Electric Motors n.e.s.
- Stators and Rotors

REFERENCE: Imports Merchandise Trade
Commodity Detail - Catalogue No. 65-207 Annual
Statistics Canada

SECTION I

INTRODUCTION OF ANALYSIS

The following report shows the actual import figures on electric AC and DC motors (including brakemotors) stators and rotors published by Statistics Canada in the "Canadian Industrial Trade Classification Catalogue" for the years 1976, 1977 and 1978.

SECTION II

ANALYSIS OF IMPORTS

Imports of electric motors, stators and rotors during the calendar years 1976, 1977 and 1978 (latest years available) are as follows:

IMPORT SUMMARY

<u>Commodity</u>	<u>1976</u>		<u>1977</u>		<u>1978</u>	
	<u>Quantity</u> (000)	<u>Value</u> (\$,000)	<u>Quantity</u> (000)	<u>Value</u> (\$,000)	<u>Quantity</u> (000)	<u>Value</u> (\$,000)
AC Electric Motors	1,356	26,472	1,500	29,927	1,877	45,021
DC Electric Motors	469	7,258	491	7,953	854	12,586
Brakemotors, Electrical	(1)	54	(2)	61	11	611
Motors, Electric n.e.s.	2,225	29,375	1,933	28,933	2,304	38,476
Stators and Rotors	-	6,538	-	5,986		5,786

- (1) - 264 Units
- (2) - 256 Units

Full details of the summary are provided in the following tables.

TABLE 1 - AC ELECTRIC MOTORS

Electric Induction Motors, Fractional	Country of Export	SIZE AC 1/3 HP & under	1976		1977		1978	
			Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)
	United Kingdom		12,390	284	11,400	375	15,335	516
	W. Germany		341	19	23,131	332	11,553	198
	Hong Kong		36,080	19	*	*	63,160	90
	Japan		9,490	79	46,681	161	103,629	613
	Mexico		-	-	-	-	15,556	55
	United States		827,793	6,688	899,188	7,881	1,116,262	10,635
	TOTAL (1)		886,205	7,092	1,108,086	8,978	1,351,783	12,291
		AC over 1/3 HP to 1 HP inc.						
	United Kingdom		9,732	276	9,655	415	17,270	736
	France		-	-	-	-	402	23
	W. Germany		15,801	144	11,956	198	30,596	389
	Italy		-	-	-	-	192	12
	Japan		447	8	3,766	24	534	26
	United States		342,482	5,395	241,702	4,988	284,932	7,084
	TOTAL (1)		384,951	5,877	267,916	5,656	358,084	8,410
Electric Induction Motors, 1 HP & over		AC over 1 HP to under 20 HP						
	United Kingdom		9,791	852	23,378	1,909	33,487	3,213
	Denmark		151	66	69	11	-	-
	France		1,923	125	1,310	154	1,622	254
	W. Germany		702	98	594	23	3,402	114
	Italy		21	1	18	4	49	14
	Sweden		54	16	85	35	15	4
	Japan		5,218	372	7,813	585	7,335	697
	United States		60,230	4,783	80,795	6,095	102,202	8,853
	TOTAL (1)		78,130	6,318	114,084	8,822	148,167	13,159

Electric Induction Motors, 1 HP & over (Cont'd)	Country of Export	SIZE <u>AC 20 HP to 200 HP inc.</u>	1976		1977		1978	
			Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)
	United Kingdom		1,731	727	3,053	1,259	4,112	2,259
	France		*	*	582	207	931	437
	W. Germany		250	182	360	175	390	344
	Italy		-	-	85	16	-	-
	Sweden		43	45	*	*	3	6
	Switzerland		*	*	52	5	-	-
	Japan		1,007	349	1,856	677	1,529	841
	United States		<u>2,469</u>	<u>3,804</u>	<u>3,595</u>	<u>1,832</u>	<u>10,968</u>	<u>3,984</u>
	TOTAL (1)		5,902	5,245	9,624	4,223	17,990	7,907
		<u>AC over 200 HP</u>						
	United Kingdom		285	170	6	134	105	573
	France		-	-	-	-	4	21
	W. Germany		9	173	10	37	25	190
	Italy		3	5	*	*	-	-
	Japan		*	*	52	495	79	792
	Mexico		-	-	-	-	2	18
	United States		<u>250</u>	<u>1,218</u>	<u>166</u>	<u>1,463</u>	<u>478</u>	<u>1,648</u>
	TOTAL (1)		732	1,940	244	2,248	696	3,254
TOTAL - AC ELECTRIC MOTORS			1,355,920	26,472	1,499,954	29,927	1,876,720	45,021

TABLE 2 - DC ELECTRIC MOTORS

		<u>DC 1/3 HP & under</u>					
	United Kingdom	101	4	42	19	520	11
	France	*	*	4,273	18	-	-
	W. Germany	2,539	18	114	2	1,147	10
	Italy	-	-	-	-	65	1
	Hong Kong	101,004	97	182,450	173	259,082	260
	Japan	98,186	98	47,024	93	43,638	101
	United States	<u>181,502</u>	<u>1,576</u>	<u>195,545</u>	<u>1,463</u>	<u>482,034</u>	<u>2,693</u>
	TOTAL (1)	389,340	1,810	429,699	1,776	822,609	3,095

DC Electric Motors (Cont'd)	Country of Export	SIZE DC Over 1/3 HP to 1HP inc.	1976		1977		1978	
			Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)	Quantity (No.)	Value (\$,000)
	United Kingdom		89	3	6	4	41	14
	Japan		53,228	65	*	*	210	5
	United States		<u>13,453</u>	<u>409</u>	<u>32,248</u>	<u>946</u>	<u>13,548</u>	<u>772</u>
	TOTAL (1)		66,783	478	39,519	1,013	13,986	818
		<u>DC Over 1 HP to under 20 HP</u>						
	United Kingdom		791	77	344	43	15	3
	Denmark		-	-	-	-	103	80
	France		194	28	1,011	86	256	57
	W. Germany		*	*	17	4	29	17
	Sweden		3	1	*	*	-	-
	United States		<u>6,243</u>	<u>909</u>	<u>11,385</u>	<u>1,554</u>	<u>12,644</u>	<u>2,402</u>
	TOTAL (1)		9,362	1,054	17,862	1,736	13,074	2,569
		<u>DC 20 HP to 200 HP inc.</u>						
	United Kingdom		481	145	877	144	46	184
	France		706	64	*	*	95	53
	W. Germany		-	-	-	-	57	73
	Sweden		-	-	-	-	39	381
	United States		<u>2,403</u>	<u>1,536</u>	<u>1,778</u>	<u>1,925</u>	<u>3,401</u>	<u>2,201</u>
	TOTAL (1)		3,604	1,781	3,159	2,255	3,743	3,023
		<u>DC Over 200 HP</u>						
	United Kingdom		18	40	9	57	7	375
	W. Germany		-	-	-	-	9	473
	Sweden		59	600	*	*	46	677
	Japan		-	-	1,003	44	-	-
	United States		<u>161</u>	<u>1,476</u>	<u>107</u>	<u>696</u>	<u>112</u>	<u>1,274</u>
	TOTAL (1)		243	2,135	1,177	1,173	188	3,081
	TOTAL - DC ELECTRIC MOTORS		469,332	7,258	491,416	7,953	853,600	12,586

TABLE 3 - BRAKEMOTORS, ELECTRICAL - MOTORS ELECTRIC, NES - STATORS AND ROTORS

<u>Brakemotors, Electrical</u>	<u>Country of Export</u>	<u>1976</u>		<u>1977</u>		<u>1978</u>	
		<u>Quantity</u> <u>(No.)</u>	<u>Value</u> <u>(\$,000)</u>	<u>Quantity</u> <u>(No.)</u>	<u>Value</u> <u>(\$,000)</u>	<u>Quantity</u> <u>(No.)</u>	<u>Value</u> <u>(\$,000)</u>
	West Germany	43	7	81	31	-	-
	United States	209	46	172	22	65	25
TOTAL - BRAKEMOTORS, ELECTRICAL (1)		264	54	256	61	10,836	611
<u>Motors, Electric, n.e.s.</u>	United Kingdom	11,682	639	5,820	541	5,867	965
	Austria	48	3	43	2	59	5
	Belgium-Luxembourg	126	15	20	14	14	4
	Denmark	2,008	80	184	38	471	105
	Finland	*	*	5	10	8	7
	France	3,324	331	16,679	485	5,814	1,039
	West Germany	17,039	1,131	7,691	736	40,649	1,413
	Italy	13,734	90	4,159	132	3,204	147
	Netherlands	3,568	71	4,339	97	2,205	103
	Norway	359	155	392	188	323	185
	Sweden	600	596	2,229	142	284	149
	Switzerland	1,001	29	458	42	1,328	105
	Hong Kong	200,445	241	71,533	81	105,072	144
	Japan	199,299	832	159,083	1,070	43,101	726
	Taiwan	25,857	60	20,820	7	22,188	73
	Australia	-	-	-	-	18	3
	United States	1,731,149	25,032	1,639,412	25,285	2,072,299	33,197
TOTAL - MOTORS, ELECTRIC, NES (1)		2,225,231	29,375	1,933,487	28,933	2,303,942	38,476
<u>Statorm, Motors, Electric</u>	Japan	-	358	-	*	-	-
	United States	-	1,545	-	1,843	-	644
TOTAL - STATORS; MOTORS, ELECTRIC (1)			1,923		2,252		798 (2)
<u>Rotors, Refrigeration Compressor Motor</u>							
	United States	-	4,470	-	3,666	-	4,801
TOTAL - ROTORS, REFRIGERATION COMPRESSOR MOTOR (1)			4,615		3,734		4,988

NOTES: NES Not elsewhere specified

* Confidential

- Indicates either a zero amount or an amount too small to be expressed.

(1) Because of the unusual amount of detail contained in this report, extra steps have been taken by Statistics Canada to prevent the disclosure (either directly or residually) of information pertaining to the operations of any single Canadian firm. Accordingly, certain commodity/country cells are not shown at this level, although the data are included in the total for the C.I.T.C. class in question.

(2) 1978 classification change to: Stators, Electric Motors, NES

Import Analysis
Corporate Systems Branch
Department of Industry, Trade and Commerce
235 Queen Street
OTTAWA, Ontario
K1A 0H5

June 12, 1980