



AUSTRALIAN BUREAU OF STATISTICS Canberra

PRODUCTION BULLETIN NO. 1: ELECTRICITY, GAS AND ELECTRICAL APPLIANCES AUSTRALIA, JUNE 1981

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EXPLANATORY NOTES

Introduction

This publication is one of a series of eight containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 7 below.

2. Data contained in this publication are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Where another authority is the source this is indicated in a footnote.

Classification

3. Most items are identified by Commodity Codes of the Commodity Classification used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. Furthermore, combinations of commodities are arranged so as to align production data with import and export commodity items in accordance with the Australian Standard Commodity Classification (ASCC). For further information regarding the ASCC see the ABS publication *Australian Standard Commodity Classification, 1977-78* (1207.0).

Scope and coverage

4. Production statistics collected by the ABS exclude production by single establishment manufacturing enterprises employing less than four persons and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

5. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year, and in the case of businesses unable to report on a June year basis include details in respect of substitute accounting periods.

Seasonal adjustment

6. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal factors but

also of 'trading-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators, Australia* (1308.0).

Related publications

7. Other ABS publications which may be of interest are:

Production Bulletin No. 2: Clothing and Footwear, Australia (8358.0)—issued monthly

Production Bulletin No. 3: Food, Drink and Tobacco, Australia (8359.0)—issued monthly

Production Bulletin No. 4: Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Production Bulletin No. 5: Building Materials and Fittings, Australia (8361.0)—issued monthly

Production Bulletin No. 6: Chemicals and By-products, Australia (8362.0)—issued monthly

Production Bulletin No. 7: Motor Vehicles, Parts and Accessories, Australia (8363.0)—issued monthly

Production Bulletin No. 8: Miscellaneous Products, Australia (8364.0)—issued monthly

Manufacturing Commodities, Selected Principal Articles Produced, Australia (Preliminary), 1979-80 (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1977-78 and 1978-79 (8303.0).

8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

- n.p. not available for separate publication
(but included in totals where applicable)
- .. not applicable
- nil or rounded to zero

R. J. CAMERON
Australian Statistician

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ELECTRICITY(a)
(Million kWh)

Period	Thermal (499.46)	Hydro (499.44)	Total	
			Original (499.42)	Seasonally adjusted(b)
1978-79	74,684	16,173	90,857	..
1979-80	82,116	13,794	95,910	..
1980-81	85,952	14,894	100,846	..
1980—				
May	7,075	1,204	8,279	7,936
June	7,397	1,311	8,707	8,031
July	8,045	1,441	9,486	8,160
August	7,888	1,085	8,973	8,089
September	7,061	1,170	8,231	8,083
October	7,032	1,174	8,206	8,194
November	6,834	1,093	7,927	8,521
December	6,828	1,171	7,999	8,524
1981—				
January	6,569	1,265	7,834	8,540
February	6,392	1,129	7,521	8,477
March	7,142	1,142	8,284	8,554
April	6,763	1,236	7,999	8,566
May	7,524	1,416	8,940	8,633
June	7,873	1,571	9,445	8,689

ELECTRICITY—STATES(a)(c)
(Million kWh)

Period	N. S. W.	Vic. and W. A.	Qld (499.42)	S. A. and N. T.	Tas.	Australia
1978-79	35,688	27,946	11,768	7,707	7,748	90,857
1979-80	37,863	29,609	12,613	7,923	7,903	95,910
1980-81	39,594	31,317	13,470	8,421	8,044	100,846
1980—						
May	3,205	2,660	1,051	660	703	8,279
June	3,762	2,438	1,083	714	711	8,707
July	3,895	2,919	1,184	733	756	9,486
August	3,534	2,839	1,109	752	738	8,973
September	3,190	2,549	1,117	675	699	8,231
October	3,287	2,387	1,167	678	687	8,206
November	2,966	2,495	1,149	684	632	7,927
December	3,115	2,471	1,102	695	617	7,999
1981—						
January	3,051	2,395	1,074	717	596	7,834
February	2,922	2,368	976	680	575	7,521
March	3,169	2,653	1,133	681	647	8,284
April	2,979	2,669	1,074	641	636	7,999
May	3,588	2,760	1,147	719	726	8,940
June	3,896	2,812	1,239	765	733	9,445

(a) Figures represent estimates of total electricity generated by public utilities, factories generating for their own use and factories supplying electricity for domestic and other consumption. (b) See paragraph 6, Explanatory notes. (c) Statistics relate to generation of electricity within each State and take no account of interchange between States. Furthermore, details for Victoria exclude Victorian entitlements to generation from the Hume Power Station and the Snowy Mountain Hydro-electric Scheme.

GAS AVAILABLE FOR ISSUE THROUGH MAINS(a)
(Million megajoules)

Period	N.S.W.	Vic.	Qld (434.19)	W.A.	S.A. and Tas.	Australia	
						Original	Seasonally adjusted (b)
1978-79	n.p.	n.p.	n.p.	31,259	n.p.	275,437	..
1979-80	n.p.	n.p.	n.p.	32,281	n.p.	318,541	..
1980-81	n.p.	n.p.	n.p.	32,651	n.p.	384,689	..
1980—							
May	n.p.	n.p.	n.p.	n.p.	n.p.	30,605	28,872
June	n.p.	n.p.	n.p.	n.p.	n.p.	34,984	30,270
July	n.p.	n.p.	n.p.	2,616	n.p.	37,060	29,161
August	n.p.	n.p.	n.p.	2,762	n.p.	34,502	28,853
September	n.p.	n.p.	n.p.	2,899	n.p.	31,793	29,445
October	n.p.	n.p.	n.p.	2,967	n.p.	29,275	29,146
November	n.p.	n.p.	n.p.	2,827	n.p.	27,939	30,662
December	n.p.	n.p.	n.p.	2,836	n.p.	25,248	29,259
1981—							
January	n.p.	n.p.	n.p.	2,676	n.p.	27,897	34,876
February	n.p.	n.p.	n.p.	2,353	n.p.	27,424	33,618
March	n.p.	n.p.	n.p.	2,653	n.p.	32,684	36,178
April	n.p.	n.p.	n.p.	2,587	n.p.	32,045	34,290
May	n.p.	n.p.	n.p.	2,680	n.p.	37,459	35,165
June	n.p.	n.p.	n.p.	2,795	n.p.	41,362	35,689

STORAGE BATTERIES—WET CELL(c)
(Number)

Period	Automotive starting, lighting and ignition				2 volt cells for:		
	6 volt		12 volt		Radio, home lighter and fencer batteries	Traction	Other batteries(d)
	New (685.13)	Rebuilt (685.15)	New (685.17)	Rebuilt (685.19)			
	New and rebuilt (685.33,35)	New (685.43)	(e)				
1978-79	263,846	2,436	2,967,020	13,031	11,308	97,132	79,390
1979-80	250,874	2,435	2,744,114	9,578	19,492	88,100	113,943
1980-81	220,722	2,297	2,511,371	7,736	10,769	103,903	64,057
1980—							
May	25,199	251	236,194	843	3,978	4,094	7,578
June	23,347	210	215,706	716	577	9,492	4,954
July	24,715	242	256,839	1,036	571	8,288	5,489
August	19,128	201	189,333	763	1,354	9,890	11,949
September	18,434	143	204,617	631	n.p.	10,826	5,275
October	15,546	173	216,069	558	n.p.	9,714	4,608
November	15,803	158	197,845	570	n.p.	7,611	4,825
December	16,386	169	169,109	619	883	n.p.	3,624
1981—							
January	6,159	184	97,886	520	n.p.	n.p.	1,341
February	22,436	174	189,273	632	n.p.	n.p.	4,589
March	21,628	212	270,073	568	614	n.p.	7,035
April	22,572	146	219,103	499	979	n.p.	3,777
May	18,559	234	243,327	721	285	n.p.	4,312
June	19,356	261	257,897	619	1,015	n.p.	7,233

(a) Includes natural gas.
(power plant installations).

(b) See paragraph 6, Explanatory notes.
(c) Code numbers 685.45,53,55,63,65.

(c) Includes dry charged batteries, but excludes dry-cell batteries.

(d) Includes plant

ELECTRICAL APPLIANCES(a)
(Number)

Period	Vacuum cleaners (692.02.04)	Hand irons (693.51, 61.63)	Dry shavers (699.01.03)	Toasters automatic and other (661.21.23)	Hot water jugs		Kettles (699.25)	Coffee makers (699.27.29)
					Automatic (699.22)	Other (699.23)		
1978-79	217,112	674,513	113,376	483,653	156,324	179,856	454,575	48,871
1979-80	245,524	n.p.	n.p.	624,643	180,594	152,028	490,114	n.p.
1980-81	235,308	n.p.	n.p.	686,723	211,233	137,466	510,785	n.p.
1980—								
May	25,701	n.p.	n.p.	36,322	21,727	16,539	43,172	n.p.
June	21,162	n.p.	n.p.	45,120	16,094	6,441	35,344	n.p.
July	22,868	n.p.	n.p.	58,308	17,556	15,681	37,918	n.p.
August	22,374	n.p.	—	66,476	15,216	n.p.	37,385	n.p.
September	19,276	n.p.	n.p.	65,774	16,284	n.p.	42,963	n.p.
October	21,315	n.p.	n.p.	74,203	21,686	15,446	51,450	n.p.
November	25,104	n.p.	n.p.	40,733	25,483	13,289	53,034	n.p.
December	21,170	n.p.	n.p.	54,786	16,639	10,066	42,637	n.p.
1981—								
January	6,291	n.p.	—	18,795	7,410	n.p.	n.p.	n.p.
February	20,080	n.p.	—	56,660	15,063	n.p.	n.p.	n.p.
March	17,533	n.p.	—	54,019	20,711	12,496	46,708	n.p.
April	19,504	n.p.	n.p.	72,792	21,669	11,141	56,573	n.p.
May	20,179	n.p.	n.p.	64,062	16,693	12,673	49,758	n.p.
June	19,614	n.p.	—	60,115	16,823	9,797	38,687	n.p.

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Frypans(b) (661.33)	Mixers beater and pulveriser type (691.01.02)	Blankets (including mattress overlays)(c) low and main voltage (699.81.85)	Floor polishers(d) (692.21.23)	Propeller type fans (complete)(e) (696.01-05)	Radiators, electric fires, and room heaters	
						With visible heating units (651.11)	Other types (651.14-20)
1978-79	379,280	247,619	623,999	8,948	410,586	438,693	253,931
1979-80	n.p.	264,815	538,809	7,848	505,385	371,496	265,212
1980-81	n.p.	289,746	429,671	5,758	574,892	283,633	307,414
1980—							
May	n.p.	21,311	n.p.	859	n.p.	48,924	39,633
June	n.p.	21,843	n.p.	926	n.p.	23,736	37,658
July	n.p.	31,319	17,929	397	n.p.	26,610	20,775
August	n.p.	29,328	n.p.	640	58,256	n.p.	14,473
September	n.p.	31,193	n.p.	n.p.	65,355	n.p.	5,687
October	n.p.	30,294	n.p.	n.p.	74,613	n.p.	2,184
November	n.p.	34,324	n.p.	n.p.	63,837	n.p.	1,296
December	n.p.	21,068	40,345	n.p.	55,928	n.p.	n.p.
1981—							
January	n.p.	11,373	16,364	n.p.	18,611	n.p.	n.p.
February	n.p.	29,516	46,824	n.p.	42,682	55,797	n.p.
March	n.p.	16,706	57,925	n.p.	44,525	14,522	n.p.
April	n.p.	20,635	63,565	n.p.	48,182	53,311	49,456
May	n.p.	n.p.	51,873	n.p.	33,232	34,116	57,474
June	n.p.	n.p.	36,781	n.p.	23,913	25,586	49,714

(a) Domestic unless otherwise stated. Excludes stoves and hot water systems. (b) Includes deep fryers, electric saucepans and the like. (c) Excludes heating pads. (d) Includes commercial type. (e) Excludes fans incorporated in other equipment or used with ducting.

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Refrigerators (electric)					Air conditioners (complete units)				
	Twin door			Total		Package units				
	Single door (657.33)	Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (b)	Room refrigerated (657.03, 05)	Capacity			Total
							Up to and incl. 17.5 kW (657.21)	Over 17.5 kW up to and incl. 35 kW (657.22)	Over 35 kW (657.23)	
1978-79	87,196	52,271	94,986	234,453	..	45,410	22,191	1,503	1,161	70,265
1979-80	96,317	54,463	123,617	274,397	..	61,430	28,507	1,482	1,075	92,494
1980-81	130,559	65,955	131,096	327,610	..	58,202	28,462	1,579	1,093	89,336
1980—										
May	8,319	4,523	8,630	21,472	21,830	5,376	1,191	107	82	6,756
June	9,817	4,586	11,430	25,833	26,270	4,954	1,394	121	83	6,552
July	11,022	5,204	12,584	28,810	29,287	6,109	1,399	168	132	7,808
August	10,774	7,219	9,930	27,923	28,313	5,904	2,290	84	96	8,374
September	12,393	6,094	11,672	30,159	25,749	6,511	2,636	82	94	9,323
October	13,007	4,607	15,079	32,693	26,387	6,003	3,253	104	62	9,422
November	11,765	6,477	9,816	28,058	25,524	5,141	3,189	200	73	8,603
December	9,832	5,093	8,819	23,744	26,807	n.p.	3,430	134	n.p.	7,963
1981—										
January	6,154	3,089	6,254	15,497	25,680	n.p.	1,392	33	n.p.	3,865
February	11,157	4,504	11,234	26,895	28,275	n.p.	3,532	104	n.p.	7,182
March	13,041	6,923	14,678	34,642	32,536	n.p.	2,418	205	n.p.	7,267
April	9,700	4,327	9,496	23,523	31,098	n.p.	907	99	n.p.	4,446
May	11,119	5,139	9,243	25,501	27,603	n.p.	1,715	188	n.p.	6,835
June	10,595	7,279	12,291	30,165	29,639	n.p.	2,301	178	n.p.	8,248

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Clothes washing machines						Total	Seasonally adjusted (b)	Clothes dryers, rotary and cabinet type (693.25-27)
	Domestic freezers		Fully automatic (d) (693.02)	Semi- automatic(c) and wringer drying (693.06, 12)	Spin- drying (693.16, 18)	Original			
	Upright (657.33)	Chest (657.54)							
1978-79	25,394	64,983	283,117	25,547	47,171	355,835	..	196,637	
1979-80	43,832	n.p.	306,530	n.p.	n.p.	362,038	..	n.p.	
1980-81	65,444	n.p.	327,486	n.p.	n.p.	374,973	..	n.p.	
1980—									
May	4,029	n.p.	25,310	n.p.	n.p.	29,098	26,221	n.p.	
June	3,507	n.p.	23,404	n.p.	n.p.	27,731	26,705	n.p.	
July	5,577	n.p.	36,764	n.p.	n.p.	42,110	35,130	n.p.	
August	5,063	n.p.	32,206	n.p.	n.p.	37,012	32,701	n.p.	
September	5,720	n.p.	32,435	n.p.	n.p.	37,245	32,694	n.p.	
October	7,087	n.p.	29,755	n.p.	n.p.	35,045	29,686	n.p.	
November	5,863	n.p.	25,791	n.p.	n.p.	30,607	28,559	n.p.	
December	4,293	n.p.	21,264	n.p.	n.p.	25,355	30,554	n.p.	
1981—									
January	2,447	n.p.	14,711	n.p.	n.p.	16,670	31,582	n.p.	
February	5,122	n.p.	23,457	n.p.	n.p.	27,312	29,083	n.p.	
March	5,715	n.p.	28,285	n.p.	n.p.	31,586	30,982	n.p.	
April	6,051	n.p.	23,282	n.p.	n.p.	26,337	32,858	n.p.	
May	4,858	n.p.	28,574	n.p.	n.p.	31,371	29,568	n.p.	
June	7,648	n.p.	30,962	n.p.	n.p.	34,323	31,953	n.p.	

(a) Domestic unless otherwise stated. (b) See paragraph 6, Explanatory notes. (c) Incorporating a timing device but requiring a separate setting of controls to perform each function, e.g. washing, rinsing, dry. (d) Complete washing cycle with one set of controls.

ELECTRIC MOTORS UNDER 720W(a)
(' 000)

Period	Up to and including 16W (503.13)	Over 16W up to and including 40W (503.14)	Over 40W up to and including 80W (503.15)	Over 80W up to and including 130W (503.16)	Over 130W up to and including 190W (503.22)	Over 190W up to and including 260W (503.23)	Over 260W up to and including 380W (503.24)	Over 380W and under 720W (502.25,26)	Total under 720W	
									Original	Seas. adj.(b)
1978-79	523	102	134	699	645	304	115	320	2,841	..
1979-80	431	104	302	946	787	289	101	391	3,352	..
1980-81	396	138	384	934	808	279	241	466	3,647	..
1980—										
May	29	n.p.	n.p.	98.4	46.4	23.0	10.3	26.3	267	303
June	31	n.p.	n.p.	82.2	67.1	26.3	7.9	32.2	284	293
July	33	n.p.	n.p.	99.3	79.3	24.7	8.7	44.1	330	297
August	34	n.p.	n.p.	85.2	76.3	27.2	19.4	39.8	321	294
September	44	13.4	30.8	113.9	80.9	20.5	10.6	36.6	351	282
October	49	13.8	34.6	115.6	91.5	26.3	16.7	47.3	394	327
November	33	13.4	49.2	82.5	81.2	24.3	20.4	42.5	347	294
December	34	14.2	39.7	65.1	85.3	20.2	16.4	42.1	317	302
1981—										
January	14	7.1	15.8	25.5	23.9	5.4	13.4	13.3	119	294
February	23	n.p.	n.p.	57.4	74.6	19.5	19.6	46.9	296	316
March	32	n.p.	n.p.	63.1	81.1	26.7	22.8	46.9	313	305
April	29	15.2	38.0	68.8	51.5	15.4	33.3	33.6	285	320
May	38	4.4	24.6	68.9	44.2	47.6	29.8	35.2	292	333
June	33	10.0	24.0	88.6	38.4	21.6	29.5	38.0	283	293

ELECTRIC MOTORS 720W AND OVER(a)
(' 000)

Period	720W and under 1850W (503.27)	1850W and under 3710W (503.28)	3.71 kW and under 7.2 kW (503.29)	7.2 kW and under 37.1 kW (503.30)	37.1 kW and under 72 kW (503.31)	72 kW and over (503.32)	Total 720W and over		Total electric motors
							Original	Seas. adj.(b)	
1978-79	315	15.1	8.0	6.2	0.65	0.98	346	..	3,187
1979-80	337	13.4	9.0	7.2	0.94	1.10	368	..	3,720
1980-81	329	16.0	7.1	6.1	0.90	0.85	360	..	4,007
1980—									
May	38.5	1.12	0.45	0.80	0.11	0.10	41.0	38.2	308
June	28.0	1.52	0.66	0.53	0.06	0.10	30.9	33.1	314
July	34.4	1.82	0.62	0.60	0.06	0.08	37.6	34.8	367
August	28.8	1.54	0.78	0.77	0.09	0.05	32.1	29.3	353
September	29.6	1.34	0.71	0.45	0.08	0.08	32.3	30.0	383
October	24.7	1.55	0.43	0.63	0.12	0.08	27.5	21.6	422
November	31.8	0.99	0.55	0.43	0.05	0.06	33.8	30.3	380
December	25.0	1.93	0.21	0.43	0.08	0.09	27.7	27.6	344
1981—									
January	8.3	0.32	0.28	0.16	0.03	0.06	9.1	23.8	128
February	26.4	1.49	0.47	0.52	0.08	0.08	29.0	29.0	325
March	28.0	1.03	0.89	0.66	0.07	0.04	30.7	29.4	343
April	29.8	1.50	0.72	0.56	0.07	0.07	32.7	37.5	317
May	34.3	1.50	0.60	0.45	0.10	0.09	37.0	35.1	329
June	28.1	1.05	0.83	0.49	0.08	0.07	30.6	31.6	314

(a) Includes those made and incorporated in manufacturers' own products.

(b) See paragraph 6, Explanatory notes.

COLOUR TELEVISION SETS AND TELEVISION RECEIVING ANTENNAE
(Number)

Period	Colour television sets			Television receiving antennae			
	Up to and incl. 51 cm (643.57.58)	Over 51 cm up to and incl. 56 cm (643.59)	Over 56 cm (643.60)	Total		Indoor (incl. in built telescopic type) (649.43)	Outdoor and loft (649.45)
				Original	Seasonally adjusted(a)		
1978-79	101,732	95,422	87,027	284,181	..	181,162	252,780
1979-80	128,178	100,173	96,497	324,848	..	149,442	226,774
1980-81	160,868	110,964	102,882	374,714	..	187,452	263,974
1980—							
May	7,497	12,452	9,602	29,551	26,233	14,799	19,522
June	10,589	8,233	7,764	26,586	26,954	12,618	20,893
July	12,506	9,116	8,696	30,318	25,438	16,286	24,744
August	13,218	9,127	7,561	29,906	28,353	17,615	21,509
September	13,532	10,122	8,994	32,648	28,593	10,980	21,328
October	16,575	11,397	9,988	37,960	32,564	15,067	23,658
November	13,966	10,108	7,688	31,762	29,212	15,769	25,293
December	10,193	9,403	7,778	27,374	33,075	18,130	24,322
1981—							
January	6,754	3,763	2,762	13,279	32,906	13,956	11,306
February	16,319	9,916	8,669	34,904	35,558	15,310	28,103
March	14,534	11,852	10,317	36,703	34,081	18,334	27,555
April	13,570	8,055	9,651	31,276	33,046	16,805	27,922
May	17,311	7,969	9,397	34,677	32,834	16,909	14,673
June	12,390	10,136	11,381	33,907	33,535	12,291	13,561

GRAMOPHONE RECORDS AND CASSETTE TAPES
('000)

Period	Single play (646.35.65)	Extended play (646.37.41, 67.71)	Long play(b) (25 cm and 30 cm) (646.43.45, 73.75)	Total	'Stereo' records included in previous columns (646.63.67, 71.73.75)	Cassette tapes pre-recorded (647.01)
1978-79	8,424	266	22,014	30,704	28,566	12,861
1979-80	11,254	311	22,624	34,190	31,899	12,748
1980-81	11,438	168	22,385	33,992	32,747	13,687
1978—						
March qtr	1,726	49.1	4,376	6,101	5,726	2,503
June qtr	1,806	31.9	4,518	6,356	5,856	2,981
September qtr	1,814	29.9	5,731	7,575	7,073	3,022
December qtr	1,928	71.0	6,768	8,766	8,239	3,837
1979—						
March qtr	2,167	44.0	4,810	7,022	6,615	3,105
June qtr	2,515	121.6	4,705	7,341	6,639	2,898
September qtr	3,003	115.7	5,361	8,479	7,716	2,750
December qtr	2,842	88.8	6,772	9,703	9,167	3,747
1980—						
March qtr	2,507	47.9	4,739	7,293	6,937	2,914
June qtr	2,902	58.5	5,753	8,714	8,079	3,337
September qtr	2,640	33.7	5,304	7,977	7,284	2,888
December qtr	2,879	33.1	6,679	9,592	9,041	3,841
1981—						
March qtr	2,316	33.3	5,048	7,397	7,397	3,273
June qtr	3,603	68.4	5,354	9,025	9,025	3,685

(a) See paragraph 6. explanatory notes. (b) Mainly 30 cm L.P.'s.

**ELECTRICAL POWER FREQUENCIES TRANSFORMERS, CHOKES AND
BALLASTS FOR TRANSMISSION AND DISTRIBUTION OF POWER(a)**
(Number)

Period	Over 1 kV A up to and including 50 kV A		Over 50 kV A up to and including 500 kV A (683.05)	Over 500 kV A up to and including 1,000 kV A (683.07)	Over 1,000 kV A up to and including 10,000 kV A (683.09)	Over 10,000 kV A (683.11)	Total
	Single phase (683.03)	Three phase (683.04)					
1978-79	11,997	2,182	4,277	609	239	64	19,368
1979-80	11,445	2,896	4,167	583	294	83	19,468
1980-81	11,788	3,439	4,757	765	464	70	21,283
1980—							
May	858	244	483	56	n.p.	n.p.	1,681
June	1,066	229	354	48	n.p.	n.p.	1,734
July	885	371	385	56	n.p.	n.p.	1,739
August	958	373	416	53	n.p.	n.p.	1,841
September	935	398	383	75	n.p.	n.p.	1,837
October	1,288	271	445	72	n.p.	n.p.	2,129
November	861	213	348	34	n.p.	n.p.	1,506
December	1,363	272	458	81	n.p.	n.p.	2,221
1981—							
January	412	103	179	32	n.p.	n.p.	746
February	744	428	355	58	n.p.	n.p.	1,635
March	1,010	285	426	89	n.p.	n.p.	1,853
April	944	247	396	54	n.p.	n.p.	1,687
May	1,088	268	453	69	n.p.	n.p.	1,933
June	1,300	207	513	92	n.p.	n.p.	2,156

ELECTRICAL POWER FREQUENCIES TRANSFORMERS, ETC.
(Total kV A)

Period	Over 1 kV A up to and including 50 kV A		Over 50 kV A up to and including 500 kV A (683.55)	Over 500 kV A up to and including 1,000 kV A (683.57)	Over 1,000 kV A up to and including 10,000 kV A (683.59)	Over 10,000 kV A (683.61)	Total
	Single phase (683.53)	Three phase (683.54)					
1978-79	186,269	52,403	1,048,972	511,187	735,190	2,965,000	5,499,021
1979-80	138,127	89,104	979,799	505,950	838,878	3,213,500	5,765,358
1980-81	160,015	101,258	1,126,634	644,925	1,346,662	4,039,500	7,418,994
1980—							
May	10,779	8,495	105,215	49,700	n.p.	n.p.	1,143,239
June	14,641	6,484	101,015	43,600	n.p.	n.p.	445,253
July	10,723	8,743	94,150	51,050	n.p.	n.p.	340,116
August	13,956	10,477	102,760	43,150	n.p.	n.p.	670,643
September	11,654	11,335	101,960	67,200	n.p.	n.p.	839,491
October	17,477	7,573	108,000	36,550	n.p.	n.p.	794,300
November	12,445	5,750	90,932	28,150	n.p.	n.p.	433,177
December	19,002	7,409	105,210	69,300	n.p.	n.p.	618,221
1981—							
January	5,160	1,757	46,980	27,325	n.p.	n.p.	173,972
February	9,430	14,514	77,720	51,550	n.p.	n.p.	587,964
March	13,294	8,725	95,574	83,050	n.p.	n.p.	424,243
April	12,947	8,324	93,780	49,000	n.p.	n.p.	765,251
May	15,942	9,111	102,868	59,100	n.p.	n.p.	1,118,691
June	17,985	7,540	106,700	79,500	n.p.	n.p.	652,925

(a) Includes those made for incorporation by manufacturers in own products. Excludes audio, input R.F. and higher frequency types and automotive coils. Dual rating transformers are classified according to the maximum capacity at which they can operate as constructed at the time of manufacture.

**ELECTRICAL POWER FREQUENCIES, TRANSFORMERS, CHOKES AND BALLASTS
FOR PURPOSES OTHER THAN TRANSMISSION AND DISTRIBUTION OF POWER
(Number)**

Period	For fluorescent and neon lighting and signs—hot cathode			Total	For sodium and mercury vapour type signs (683.23)	For other lighting and signs (683.24)	For electrical welding equipment (683.31)
	Under 40 watts (683.13)	40 watts (683.16)	Over 40 watts (683.18)				
1978-79	923,994	3,201,206	437,264	4,562,464	120,211	42,057	48,542
1979-80	1,044,866	2,797,572	521,860	4,364,298	144,237	n.p.	43,347
1980-81	1,050,073	3,577,626	424,158	5,051,857	n.p.	n.p.	41,798
1980—							
May	69,394	202,297	18,659	290,350	10,793	n.p.	3,295
June	70,173	234,059	25,078	329,310	13,151	n.p.	2,860
July	75,867	329,920	43,773	449,560	n.p.	n.p.	3,597
August	119,578	320,103	31,991	471,672	n.p.	n.p.	3,566
September	93,896	365,639	41,273	500,808	n.p.	n.p.	3,931
October	88,827	396,266	47,203	532,296	n.p.	n.p.	4,186
November	107,698	325,348	48,197	481,243	n.p.	n.p.	3,840
December	66,435	293,407	30,757	390,599	n.p.	—	3,479
1981—							
January	39,644	n.p.	n.p.	214,428	n.p.	n.p.	1,439
February	122,173	n.p.	n.p.	446,842	n.p.	n.p.	2,936
March	111,394	308,208	28,606	448,208	n.p.	—	4,297
April	68,046	n.p.	n.p.	339,780	n.p.	—	2,539
May	83,017	n.p.	n.p.	373,314	n.p.	n.p.	3,882
June	73,498	n.p.	n.p.	403,107	n.p.	—	4,106

**ELECTRICAL POWER FREQUENCIES, TRANSFORMERS, CHOKES AND BALLASTS
FOR PURPOSES OTHER THAN TRANSMISSION AND DISTRIBUTION OF POWER—continued
(Number)**

Period	For radio and television receivers, record players, etc. (649.51.53)	For other purposes				Over 50 kVA (683.45)
		Up to and including 1 kVA			Over 1 kVA up to and including 50 kVA (683.43)	
		For current metering and protective purposes		Other (683.40)		
		Up to and including 600 volts (683.38)	Over 600 volts (683.39)			
1978-79	85,385	236,562	4,097	416,016	14,427	284
1979-80	n.p.	126,512	6,516	503,713	7,594	275
1980-81	n.p.	131,588	5,432	598,478	8,618	277
1980—						
May	n.p.	11,208	558	45,456	764	18
June	n.p.	9,249	244	43,086	615	12
July	n.p.	11,939	438	61,538	828	34
August	n.p.	10,848	536	50,242	724	35
September	n.p.	11,677	372	62,106	700	28
October	n.p.	10,399	467	76,696	740	12
November	n.p.	13,487	1,022	66,783	754	28
December	n.p.	9,053	167	47,129	763	27
1981—						
January	n.p.	5,877	n.p.	22,387	446	12
February	n.p.	10,582	n.p.	48,615	678	28
March	n.p.	12,212	285	50,329	739	25
April	n.p.	10,574	605	45,778	766	6
May	n.p.	10,366	386	46,399	736	29
June	n.p.	14,574	636	20,476	744	13

ELECTRODES FOR MANUAL WELDING, AND METERS(a)

Period	Electrodes for manual welding ('000 kilograms)				Meters (number)		
	For mild and alloy steels (523.76)	For 'specials' (incl. stainless steel) (523.77)	For hardfacing applications (523.78)	Total	Electricity consumption meters (702.01)	Gas consumption meters (703.01)	Water consumption meters (703.11)
1978-79	18,578	381	968	19,928	233,275	94,212	166,544
1979-80	21,134	447	1,137	22,718	n.p.	n.p.	174,698
1980-81	22,064	323	736	23,123	n.p.	n.p.	171,492
1978—							
March qtr	3,406	69.7	136	3,612	57,396	n.p.	39,354
June qtr	4,985	52.0	193	5,230	63,977	n.p.	46,357
September qtr	5,068	120.1	222	5,410	n.p.	n.p.	42,135
December qtr	4,735	88.9	222	5,046	n.p.	n.p.	40,955
1979—							
March qtr	3,380	59.9	187	3,626	n.p.	n.p.	38,467
June qtr	5,396	112.2	337	5,845	n.p.	n.p.	44,987
September qtr	5,816	99.5	259	6,174	n.p.	n.p.	39,985
December qtr	5,423	113.5	407	5,943	n.p.	n.p.	49,694
1980—							
March qtr	4,551	107.2	209	4,867	n.p.	n.p.	39,138
June qtr	5,345	127.2	262	5,734	n.p.	n.p.	45,881
September qtr	5,588	65.2	258	5,911	n.p.	n.p.	46,207
December qtr	5,688	101.8	177	5,967	n.p.	n.p.	42,057
1981—							
March qtr	4,789	53.0	124	4,966	n.p.	n.p.	34,223
June qtr	5,999	102.6	177	6,280	n.p.	n.p.	49,005

(a) Excludes reconditioned meters.