

## PRODUCTION BULLETIN NO. 1 : ELECTRICITY, GAS AND ELECTRICAL APPLIANCES AUSTRALIA, SEPTEMBER 1978

### INQUIRIES

If you want to know more about these statistics ring Mr Cyril Rees on Canberra 525558 or our State Office, or write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616  
For copies of this publication contact Information Services, Canberra 526627 or State offices.

### EXPLANATORY NOTES

#### Introduction

This bulletin is one of a series of eight publications 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 bulletin 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. In this bulletin some of the 'traditional' combinations of commodities have been rearranged 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 1975-76* (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 bulletin 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* (1308.0).

#### Related publications

7. Other ABS publications which may be of interest are

*Production Bulletin No. 2 : Clothing and Footwear* (8358.0)

*Production Bulletin No. 3 : Food, Drink and Tobacco* (8359.0)

*Production Bulletin No. 4 : Textiles, Bedding and Floor Coverings* (8360.0)

*Production Bulletin No. 5 : Building Materials and Fittings* (8361.0)

*Production Bulletin No. 6 : Chemicals and By-products* (8362.0)

*Production Bulletin No. 7 : Motor Vehicles, Parts and Accessories* (8363.0)

*Production Bulletin No. 8 : Miscellaneous Products* (8364.0)

*Selected Principal Articles Produced* (8365.0)

*Principal Articles Produced* (8303.0)

All publications produced by the ABS are listed in *Catalogue of Publications* (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 less than half the final digit shown

## INDEX

	<i>Page</i>		<i>Page</i>
Air conditioning	6	Irons, hand	5
Antennae, T.V.	8		
Automotive storage batteries	4	Jugs and kettles, electric	5
Blankets, electric	5	Kettles and jugs, electric	5
Cassette tapes	11	Meters	11
Chokes and ballasts	9	Mixers, food, electric	5
Clothes dryers	6	Motors, electric	7
Clothes washing machines	6		
Coffee makers, electric	5		
		Radiators, electric	5
Dryers, clothes	6	Radiograms	8
		Radios	8
Electrical appliances	5,6	Record players	8
Electricity		Records, radiogram	11
Hydro	3	Refrigerators	6
Thermal	3	Room heaters, electric	5
Electric motors	7		
Electrodes, for manual welding	11	Shavers, electric	5
		Storage batteries	4
Fans, electric	5		
Fires, electric	5	Toasters, electric	5
Floor polishers	5	Transformers	9
Freezers, domestic	6	T.V. Sets, and antennae	8
Frypans, electric	5		
		Vacuum cleaners, electric	5
Gas	4		
Gramophone records	11	Washing machines, clothes	6
Hand irons	5		

## ELECTRICITY (a)

Period	Thermal (499.46)	Hydro (499.44)	Total	
			Original (499.42)	Seasonally adjusted (b)
— Million kWh —				
1975-76	61,009	15,588	76,597	..
1976-77	68,808	13,714	82,522	..
1977-78	71,445	14,537	85,981	..
1977 —				
August	6,570	1,206	7,777	6,909
September	5,923	1,377	7,301	7,038
October	5,319	1,346	6,665	6,668
November	5,443	1,249	6,692	7,085
December	5,704	1,011	6,715	7,232
1978 —				
January	5,492	1,052	6,544	7,290
February	5,248	1,173	6,420	7,271
March	5,947	1,151	7,098	7,462
April	5,627	1,238	6,864	7,312
May	6,513	1,163	7,676	7,245
June	6,854	1,215	8,070	7,337
July	7,157	1,398	8,555	7,541
August	6,935	1,475	8,410	7,520
September	6,090	1,428	7,518	7,267
1977-78 : July to Sept.	19,298	3,940	23,238	..
1978-79 : July to Sept.	20,182	4,301	24,482	..

## ELECTRICITY — STATES (a)(c)

Period	N.S.W.	Vic. and W.A.	Qld	S.A. & N.T. (499.42)	Tas.	Australia
1975-76	28,780	25,513	9,582	6,714	6,008	76,597
1976-77	31,793	26,235	10,383	7,268	6,842	82,522
1977-78	33,663	26,467	11,068	7,607	7,179	85,984
1977 —						
August	3,162	2,314	979	655	667	7,777
September	3,084	2,004	940	647	626	7,301
October	2,792	1,686	958	632	598	6,665
November	2,593	1,992	910	617	579	6,692
December	2,354	2,296	883	629	554	6,715
1978 —						
January	2,408	2,099	890	610	537	6,544
February	2,451	2,027	836	596	510	6,420
March	2,511	2,459	917	639	571	7,098
April	2,646	2,185	863	592	579	6,866
May	2,945	2,517	939	631	644	7,676
June	3,287	2,508	940	674	661	8,070
July	3,503	2,605	1,004	716	725	8,555
August	3,471	2,492	1,045	688	715	8,410
September	2,945	2,343	937	638	655	7,518
1977-78 : July to Sept.	9,676	6,696	2,933	1,987	1,946	23,238
1978-79 : July to Sept.	9,919	7,439	2,986	2,042	2,095	24,482

(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 Mountains Hydro-electric Scheme.

## GAS AVAILABLE FOR ISSUE THROUGH MAINS (a)

Period	N.S.W.	Vic.	Qld (434.19)	W.A.	S.A. and Tas.	Australia	
						Original	Seasonally adjusted (b)
- Million Megajoules -							
1975-76	13,691	n.p.	n.p.	31,261	n.p.	203,623	..
1976-77	14,689	n.p.	n.p.	31,767	n.p.	231,882	..
1977-78	n.p.	n.p.	n.p.	30,426	n.p.	255,310	..
1977 -							
August	2,114	n.p.	n.p.	2,693	n.p.	25,177	21,270
September	2,015	n.p.	n.p.	2,545	n.p.	22,510	20,772
October	1,813	n.p.	n.p.	2,550	n.p.	19,350	18,835
November	1,945	n.p.	n.p.	2,464	n.p.	19,353	20,602
December	1,596	n.p.	n.p.	2,349	n.p.	18,255	21,393
1978 -							
January	1,404	n.p.	n.p.	2,390	n.p.	17,044	21,534
February	1,598	n.p.	n.p.	2,449	n.p.	18,049	21,705
March	1,910	n.p.	n.p.	2,570	n.p.	19,941	21,700
April	2,021	n.p.	n.p.	2,464	n.p.	20,603	21,957
May	2,368	n.p.	n.p.	2,654	n.p.	23,418	21,802
June	n.p.	n.p.	n.p.	2,477	n.p.	25,888	22,247
July	n.p.	n.p.	n.p.	2,615	n.p.	27,472	23,169
August	n.p.	n.p.	n.p.	2,673	n.p.	26,776	22,575
September	n.p.	n.p.	n.p.	2,696	n.p.	22,886	21,164
1977-78 : July to Sept.	6,279	n.p.	n.p.	8,059	n.p.	73,410	..
1978-79 : July to Sept.	n.p.	n.p.	n.p.	7,984	n.p.	77,135	..

## STORAGE BATTERIES - WET CELL (c)

Period	2 volt cells for:							
	Automotive starting, lighting and ignition				Radio, home lighter and fence batteries			
	6 volt		12 volt		Radio, home lighter and fence batteries		Traction	Other batteries (d)
	New (685.13)	Rebuilt (685.15)	New (685.17)	Rebuilt (685.19)	New (685.33)	Rebuilt (685.35)	New (685.43)	(e)
- Number -								
1975-76	294,613	3,984	2,397,866	18,495	24,992	572	166,795	
1976-77	289,487	3,706	2,556,691	16,607	15,792	297	151,466	
1977-78	283,625	2,812	2,843,431	14,024	13,758	189	84,325	
1977 -								
August	21,811	158	231,416	1,027	1,050	n.p.	8,316	
September	33,821	314	248,428	1,145	1,320	n.p.	11,212	
October	23,767	293	144,384	1,280	204	n.p.	6,469	
November	24,326	248	256,561	1,138	1,579	n.p.	9,973	
December	19,096	164	215,567	1,014	1,248	8,582	11,916	
1978 -								
January	10,399	167	147,592	914	198	4,064	4,193	
February	21,423	207	247,194	1,095	959	7,368	4,911	
March	23,329	188	277,921	1,174	961	4,983	7,026	
April	22,937	275	249,456	1,261	522	3,059	5,426	
May	30,875	338	268,278	1,649	1,039	6,413	4,605	
June	34,911	213	313,729	1,178	2,609	9,105	6,389	
July	24,763	271	279,267	1,574	1,741	7,599	7,943	
August	26,247	204	272,248	994	3,193	9,965	10,419	
September	27,258	198	277,572	920	669	8,913	7,917	
1977-78 : July to Sept.	72,562	719	722,749	3,321	4,628	n.p.	22,640	
1978-79 : July to Sept.	78,268	673	829,087	3,488	5,603	26,477	26,279	

(a) Includes natural gas. (b) See paragraph 6 Explanatory notes. (c) Includes dry charged batteries, but excludes dry-cell batteries. (d) Includes plants (power plant installations). (e) Code numbers 685.45,53,55,63,65.

## ELECTRICAL APPLIANCES (a)

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 m'k'ers (699.7,2,9)
					Automatic (699.22)	Other (699.23)		
- Number -								
1975-76	232,013	764,498	221,554	632,441	164,955	273,391	217,025	146,258
1976-77	194,813	859,672	170,092	542,251	172,794	225,918	185,620	112,488
1977-78	186,270	694,950	164,784	481,666	143,144	205,539	269,117	38,384
1977 -								
August	17,237	76,616	n.p.	46,495	13,684	13,070	29,500	n.p.
September	11,547	60,169	n.p.	43,912	12,304	17,175	25,368	n.p.
October	12,071	60,942	21,798	45,092	12,546	15,691	26,393	n.p.
November	18,422	74,363	18,260	47,153	13,710	22,611	28,802	n.p.
December	15,366	51,883	n.p.	35,551	7,860	20,410	21,737	n.p.
1978 -								
January	4,991	23,320	n.p.	14,018	2,904	4,585	10,356	n.p.
February	16,129	51,512	9,827	36,208	15,365	19,406	21,663	n.p.
March	18,826	60,069	16,186	41,745	10,687	22,575	22,693	n.p.
April	16,623	50,827	n.p.	41,894	16,627	14,295	21,287	n.p.
May	21,548	55,111	n.p.	43,714	16,504	23,442	20,401	n.p.
June	18,202	66,382	n.p.	41,466	13,256	21,300	17,717	n.p.
July	19,567	67,983	13,701	60,577	8,885	15,993	19,184	n.p.
August	20,058	59,965	10,742	70,327	17,196	22,274	18,999	n.p.
September	14,804	52,368	16,233	77,283	15,393	19,366	15,051	n.p.
1977-78: July to Sept.	44,092	200,541	n.p.	134,825	33,685	41,224	78,068	n.p.
1978-79: July to Sept.	54,429	180,316	40,676	208,187	41,474	57,633	53,234	n.p.

## ELECTRICAL APPLIANCES (a) - continued

Period	Frypans (b) (661.33)	Mixers - beater & pulveriser type (691.01,02)	Blankets (including mattress overlays) (c) low & 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)
- Number -							
1975-76	708,157	494,935	520,574	21,779	533,323	473,098	205,686
1976-77	618,638	404,039	599,117	17,645	499,210	469,735	180,514
1977-78	473,097	303,980	682,324	12,015	320,613	479,137	261,130
1977 -							
August	n.p.	26,336	31,171	1,040	36,624	19,927	6,671
September	n.p.	36,122	38,292	823	41,749	27,750	5,455
October	n.p.	25,813	56,275	693	23,246		15,873
November	n.p.	26,228	75,745	911	51,115		43,135
December	n.p.	31,200	50,233	731	35,555		58,850
1978 -							
January	n.p.	5,277	16,547	266	18,842	7,090	9,975
February	n.p.	23,406	75,780	1,057	27,343	44,043	30,887
March	n.p.	20,760	84,074	1,446	24,057	71,741	38,051
April	n.p.	20,842	75,197	1,276	15,512	76,017	39,425
May	n.p.	23,893	74,835	1,251	11,665	65,277	41,987
June	n.p.	26,547	66,607	1,212	19,932	42,265	35,357
July	n.p.	30,132	33,894	517	n.p.	25,107	17,116
August	n.p.	24,722	66,191	668	n.p.	18,335	16,979
September	n.p.	19,100	56,293	1,271	40,449	n.p.	2,843
1977-78: July to Sept.	n.p.	100,014	107,031	3,172	93,346	95,099	25,191
1978-79: July to Sept.	n.p.	73,954	156,378	2,456	89,369	n.p.	36,938

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

## ELECTRICAL APPLIANCES (a) - continued

Period	Air conditioners (complete units)								Total
	Refrigerators (electric)		Domestic freezers		Room refrigerated (657.03.05)	Package units			
	Original (657.33.34.35)	Seasonally adjusted (b)	Upright (657.53)	Chest (657.54)		Capacity			
					Up to and incl. 17.5kw (657.21)	Over 17.5kw up to and incl. 35kw (657.22)	Over 35kw (657.23)		
- Number -									
1975-76	244,490	..	31,855	n.p.	32,059	18,916	1,087	1,384	53,446
1976-77	267,771	..	21,078	74,039	41,006	21,202	1,126	675	64,009
1977-78	266,168	..	24,979	49,512	41,589	18,605	1,722	705	62,621
1977 -									
August	26,800	23,087	2,248	n.p.	3,663	1,136	122	71	4,992
September	29,590	24,326	2,405	n.p.	4,384	1,563	127	62	6,136
October	24,607	22,092	1,652	n.p.	4,654	2,101	183	36	6,974
November	27,204	22,181	1,660	n.p.	5,280	2,982	231	94	8,587
December	18,258	19,582	2,228	n.p.	4,553	2,616	111	51	7,331
1978 -									
January	12,565	20,628	1,692	n.p.	2,409	1,320	82	24	3,835
February	23,965	24,347	2,924	n.p.	3,959	1,647	126	56	5,788
March	20,140	19,296	1,098	n.p.	3,027	1,309	141	62	4,539
April	14,742	18,083	2,273	n.p.	2,314	1,123	155	61	3,653
May	22,295	22,894	2,339	n.p.	2,640	984	189	60	3,873
June	23,097	24,404	2,538	n.p.	2,110	935	127	76	3,248
July	22,357	22,855	n.p.	n.p.	2,465	1,340	98	72	3,975
August	20,415	17,277	n.p.	n.p.	2,609	1,379	118	109	4,215
September	22,413	19,406	n.p.	n.p.	3,772	2,702	64	90	6,628
1977-78 : July to Sept.	79,295	..	6,575	n.p.	10,643	3,588	377	185	14,793
1978-79 : July to Sept.	65,185	..	n.p.	n.p.	8,846	5,421	280	271	14,818

## ELECTRICAL APPLIANCES (a) - continued

Period	Clothes washing machines				Total	Clothes dryers, rotary and cabinet type (693.25-27)
	Fully automatic (c) (693.02)	Semi-automatic (d) and wringer drying (693.06.12)	Spin-drying (693.16.18)	Original		
	- Number -					
1975-76	225,756	30,183	98,840	354,779	..	n.p.
1976-77	201,179	31,766	65,744	298,689	..	142,585
1977-78	196,114	24,967	52,539	273,620	..	143,242
1977 -						
August	19,426	n.p.	n.p.	27,437	23,537	13,183
September	18,589	n.p.	n.p.	25,810	22,810	8,900
October	17,348	n.p.	n.p.	24,944	22,426	n.p.
November	18,272	n.p.	n.p.	26,209	21,757	n.p.
December	11,251	n.p.	n.p.	17,521	21,353	n.p.
1978 -						
January	8,143	n.p.	n.p.	10,527	20,638	n.p.
February	14,652	n.p.	n.p.	21,463	22,911	7,564
March	15,396	n.p.	n.p.	21,733	21,765	9,580
April	13,482	n.p.	n.p.	18,896	23,198	20,601
May	20,701	n.p.	n.p.	26,616	22,924	22,520
June	21,057	n.p.	n.p.	26,932	26,992	24,899
July	21,320	n.p.	n.p.	25,383	23,538	19,898
August	25,824	n.p.	n.p.	32,500	26,956	11,447
September	24,944	n.p.	n.p.	33,133	29,414	n.p.
1977-78 : July to Sept.	55,812	n.p.	n.p.	78,779	..	33,583
1978-79 : July to Sept.	72,088	n.p.	n.p.	91,016	..	n.p.

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

## ELECTRIC MOTORS UNDER 720W (a)

Period	Up to and including 16W	Over 16W up to and including 40W	Over 40W up to and including 80W	Over 80W up to and including 130W	Over 130W up to and including 190W	Over 190W up to and including 260W	Over 260W up to and including 380W	Over 380W and under 720W	Total under 720W	
	(503.13)	(503.14)	(503.15)	(503.16)	(503.22)	(503.23)	(503.24)	(502.25,26)	Original	Seasonally adjusted(b)
- '000 -										
1975-76	948	204	264	702	762	370	256	241	3,765	..
1976-77	540	180	201	657	626	324	165	234	2,945	..
1977-78	375	106	152	646	511	281	93	293	2,457	..
1977 -										
August	46	10.0	12.4	57.3	63.2	28.3	12.4	28.6	258	225
September	41	9.0	17.6	72.7	57.4	28.6	5.6	36.6	269	238
October	31	7.9	13.8	55.7	48.4	22.7	7.7	27.1	215	191
November	43	10.0	22.4	65.6	47.6	29.8	7.9	31.4	258	202
December	32	13.1	11.8	62.2	28.6	24.1	5.9	23.1	201	218
1978 -										
January	8	3.2	2.9	37.9	13.0	10.7	2.6	8.9	88	179
February	31	7.8	15.7	48.3	40.6	19.2	6.6	25.2	195	215
March	27	9.2	14.2	55.0	40.9	23.6	8.1	23.3	202	196
April	23	7.2	11.1	45.7	32.2	17.7	7.3	20.3	164	178
May	29	8.5	12.9	39.2	20.5	26.2	7.7	21.5	166	162
June	22	11.0	9.9	50.0	57.5	22.5	9.8	20.3	203	200
July	31	11.3	12.4	55.7	60.0	30.5	7.1	24.4	232	228
August	33	5.6	15.3	59.8	60.5	26.6	7.5	27.9	236	200
September	35	11.2	17.1	73.6	73.0	28.7	10.3	29.9	279	254
1977-78 : July to Sept.	127	28.5	37.5	186.2	181.2	93.2	29.3	82.4	766	..
1978-79 : July to Sept.	99	28.1	44.8	189.0	193.6	85.8	24.9	82.2	748	..

## ELECTRIC MOTORS 720W AND OVER (a)

Period	720W and under 1850W	1850W and under 3710W	371k W and under 7.2k W	7.2k W and under 37.1k W	37.1k W and under 72k W	72k W and over (503.32)	Total 720W and over		Total electric motors
	(503.27)	(503.28)	(503.29)	(503.30)	(503.31)	(503.32)	Original	Seas. adj. (b)	
- '000 -									
1975-76	286	13.0	8.6	7.5	1.03	0.98	317	..	4,082
1976-77	261	15.9	8.4	6.6	0.93	0.82	293	..	3,238
1977-78	270	18.4	7.6	5.4	0.71	0.73	303	..	2,760
1977 -									
August	25.6	1.77	0.73	0.54	0.08	0.08	28.8	24.8	287
September	21.4	1.54	0.68	0.70	0.10	0.06	24.5	22.0	294
October	17.5	0.55	0.57	0.27	0.05	0.06	19.0	18.1	234
November	30.5	1.42	0.76	0.38	0.06	0.07	33.1	30.3	291
December	21.9	2.69	0.26	0.32	0.05	0.07	25.2	28.2	226
1978 -									
January	9.9	0.22	0.21	0.40	0.03	0.05	10.9	33.2	99
February	21.5	2.81	0.34	0.34	0.05	0.05	25.1	24.2	220
March	26.7	1.29	1.01	0.37	0.04	0.05	29.5	29.2	231
April	21.8	1.17	0.90	0.34	0.05	0.07	24.3	26.3	188
May	27.6	1.38	0.60	0.67	0.06	0.06	30.4	29.2	196
June	23.6	2.05	0.77	0.35	0.06	0.06	26.9	29.9	230
July	25.3	0.67	0.79	0.42	0.05	0.04	27.2	25.2	259
August	27.8	1.40	0.74	0.72	0.06	0.11	30.8	25.9	267
September	23.7	1.65	0.75	0.56	0.05	0.08	26.8	24.3	306
1977-78 : July to Sept.	70.1	4.81	2.15	2.04	0.26	0.20	79.5	..	845
1978-79 : July to Sept.	76.8	3.72	2.28	1.70	0.15	0.23	84.9	..	832

(a) Includes those made and incorporated in manufacturers' own products. (b) See paragraph 6 Explanatory Notes.

## COLOUR TELEVISION SETS

Period	Up to and incl. 51 cm (643,57,58)	Over 51 cm up to and incl. 56 cm (643,59)	Over 56cm (643,60)	Total	
				Original	Seas. adjusted(a)
- Number -					
1975-76	10,273	151,642	292,554	531,806	..
1976-77	26,688	228,791	261,617	525,202	..
1977-78	69,367	128,134	132,377	329,878	..
1977 -					
August	3,742	15,588	17,832	37,162	33,559
September	6,859	14,537	19,865	41,261	33,789
October	4,753	11,560	10,473	26,786	24,530
November	5,815	11,404	13,930	31,149	26,867
December	5,068	8,791	6,922	20,781	24,016
1978 -					
January	1,722	1,749	2,732	6,203	15,501
February	6,187	10,084	10,545	26,816	26,972
March	4,978	8,505	8,552	22,035	20,772
April	6,678	8,672	7,082	22,432	24,437
May	8,198	9,936	8,258	26,392	25,057
June	7,926	10,569	8,769	27,264	24,780
July	8,348	9,258	8,978	26,584	26,617
August	7,827	10,925	8,161	26,913	23,265
September	9,300	7,631	9,768	26,699	23,403
1977-78 : July to Sept.	18,042	46,864	55,114	120,020	..
1978-79 : July to Sept.	25,475	27,814	26,907	80,196	..

## TELEVISION RECEIVING ANTENNAE, RADIOS, RECORD PLAYERS

Period	Television receiving antennae		Radiograms (b) and radios		Record players (c) single and multiple play (646,01,03,11,14)
	Indoor (incl. in built telescopic type) (649,43)	Outdoor and loft (649,45)	Original (643,01,03,15,27,35,37)	Seas. adj. (a)	
1975-76	305,632	360,357	83,895	..	43,321
1976-77	263,922	378,759	50,300	..	19,844
1977-78	198,710	286,426	20,947	..	7,961
1977 -					
August	25,148	23,153	3,941	3,661	n.p.
September	23,814	26,306	4,713	3,718	567
October	19,565	24,050	3,001	2,339	1,556
November	19,502	33,919	2,395	2,043	2,994
December	19,002	21,840	950	899	n.p.
1978 -					
January	12,119	16,428	297	767	n.p.
February	18,459	22,581	916	975	n.p.
March	11,835	22,338	666	615	n.p.
April	6,417	20,895	396	492	n.p.
May	7,388	28,880	351	358	n.p.
June	12,807	25,714	373	392	n.p.
July	11,516	22,132	n.p.	n.p.	n.p.
August	16,927	21,248	n.p.	n.p.	-
September	12,385	22,129	n.p.	n.p.	-
1977-78 : July to Sept.	71,616	69,781	11,602	..	n.p.
1978-79 : July to Sept.	40,828	65,509	n.p.	..	n.p.

(a) See paragraph 6 Explanatory Notes. (b) Complete with built-in record player or changer. Excludes single play. (c) Complete with built-in amplifier, speaker(s) and record player in case of cabinet.

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

Period	Over 1 kVA up to and including 50 kVA		Over 50 kVA up to and including 500 kVA	Over 500 kVA up to and including 1,000 kVA	Over 1,000 kVA up to and including 10,000 kVA		Total
	Single phase (683.03)	Three phase (683.04)	500 kVA (683.05)	1,000 kVA (683.07)	10,000 kVA (683.09)	Over (683.11)	
	- Number -						
1975-76	8,156	1,629	4,509	620	232	84	15,230
1976-77	10,063	2,988	3,856	447	209	82	17,645
1977-78	11,740	2,331	4,356	975	286	71	19,759
1977 -							
August	884	179	467	42	n.p.	n.p.	1,598
September	791	124	345	99	n.p.	n.p.	1,389
October	816	189	450	87	n.p.	n.p.	1,567
November	947	169	356	102	41	7	1,622
December	1,112	120	417	100	31	6	1,786
1978 -							
January	540	148	151	23	n.p.	n.p.	884
February	972	211	399	62	n.p.	n.p.	1,676
March	1,147	291	368	80	n.p.	n.p.	1,917
April	932	246	348	58	n.p.	n.p.	1,610
May	1,422	242	358	148	n.p.	n.p.	2,200
June	1,205	210	363	136	n.p.	n.p.	1,939
July	1,561	175	361	70	n.p.	n.p.	2,188
August	1,204	263	400	159	n.p.	n.p.	2,043
September	853	119	286	62	n.p.	n.p.	1,356
1977-78 : July to Sept.	2,647	505	1,146	179	n.p.	n.p.	4,558
1978-79 : July to Sept.	3,618	557	1,047	291	n.p.	n.p.	5,587

**ELECTRICAL POWER FREQUENCIES TRANSFORMERS, etc. (Total kVA)**

Period	Over 1 kVA up to and including 50 kVA		Over 50 kVA up to and including 500 kVA	Over 500 kVA up to and including 1,000 kVA	Over 1,000 kVA up to and including 10,000 kVA		Total
	Single phase (683.53)	Three phase (683.54)	500 kVA (683.55)	1,000 kVA (683.57)	10,000 kVA (683.59)	Over (683.61)	
	- Total kVA -						
1975-76	100,748	61,583	1,085,951	522,190	721,935	4,042,100	6,534,507
1976-77	122,108	57,777	876,083	393,875	775,440	3,526,900	5,752,183
1977-78	142,282	81,721	1,020,264	901,595	786,559	2,793,000	5,725,421
1977 -							
August	12,067	7,654	101,310	36,600	n.p.	n.p.	263,781
September	8,332	6,547	78,493	90,200	n.p.	n.p.	400,072
October	8,035	6,961	100,575	84,050	n.p.	n.p.	534,921
November	10,745	4,863	83,036	97,750	120,800	450,000	767,194
December	11,859	3,939	91,130	90,850	86,553	125,000	409,331
1978 -							
January	5,502	3,799	29,900	21,350	n.p.	n.p.	226,751
February	10,939	8,549	99,350	59,950	n.p.	n.p.	353,788
March	12,840	6,513	88,400	74,250	n.p.	n.p.	745,893
April	11,149	6,552	85,050	52,905	n.p.	n.p.	313,226
May	21,714	11,676	86,550	133,720	n.p.	n.p.	541,096
June	14,307	7,132	97,850	125,620	n.p.	n.p.	511,009
July	24,834	6,651	92,050	67,400	n.p.	n.p.	422,185
August	19,549	9,129	90,095	140,250	n.p.	n.p.	531,273
September	10,838	4,317	81,454	56,662	n.p.	n.p.	479,495
1977-78 : July to Sept.	35,192	21,737	258,423	161,150	n.p.	n.p.	1,322,270
1978-79 : July to Sept.	55,221	20,097	263,599	264,312	n.p.	n.p.	1,432,953

(a) Includes those made for incorporation by manufacturers in own products. Excludes audio, input R.F. and higher frequencies 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**

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)				
	- Number -						
1975-76	954,995	2,892,481	280,234	4,127,710	71,824	13,039	40,793
1976-77	953,465	2,714,862	481,517	4,149,844	78,296	22,650	45,793
1977-78	816,109	2,902,837	392,868	4,111,814	78,168	25,047	41,717
1977 -							
August	60,592	303,669	31,910	396,171	5,792	n.p.	4,442
September	65,695	322,083	44,581	432,359	6,329	1,911	3,283
October	81,080	283,765	42,797	387,642	6,256	n.p.	4,306
November	126,745	323,171	34,569	484,485	7,706	n.p.	4,069
December	61,500	253,304	26,978	341,782	6,231	n.p.	2,905
1978 -							
January	30,905	97,733	18,899	147,537	2,794	n.p.	1,512
February	77,487	251,500	25,154	354,141	7,401	n.p.	3,692
March	45,052	223,863	35,048	303,963	7,270	n.p.	3,199
April	65,137	163,293	30,464	258,894	6,887	n.p.	3,192
May	103,552	224,811	35,808	364,171	8,609	n.p.	3,618
June	50,586	217,248	34,660	302,494	7,887	n.p.	3,354
July	73,428	193,321	32,190	298,939	7,160	3,742	3,872
August	72,000	296,441	35,512	403,953	9,341	4,259	4,306
September	81,275	287,302	36,989	405,566	10,828	n.p.	5,218
1977-78 : July to Sept.	194,065	864,149	108,491	1,166,705	17,127	n.p.	11,870
1978-79 : July to Sept.	226,703	777,064	104,691	1,108,458	27,329	n.p.	13,396

*For other purposes*

Period	Up to and including 1 H.P.						
	For radio receivers, record players, etc. (649.51)	For television receivers (649.55)	For current metering and protective purposes		Other (683.40)	Over 1 kVA up to and including 50 kVA (683.43)	Over 50 kVA (683.45)
			Up to and including 600 volts (683.38)	Over 600 volts (683.39)			
	- Number -						
1975-76	158,805	323,392	116,181	1,524	712,371	11,369	241
1976-77	43,521	621,883	98,734	849	614,224	9,101	386
1977-78	23,327	91,630	105,024	2,346	388,871	7,009	309
1977 -							
August	16,299		10,655	124	37,369	768	23
September	10,802		9,423	148	38,835	528	21
October	15,759		8,566	111	33,984	534	10
November	13,307		9,371	170	41,048	578	30
December	11,778		7,581	103	37,202	502	28
1978 -							
January	3,431		4,687	44	10,986	216	40
February	13,708		8,810	93	34,435	575	18
March	3,660		8,220	219	34,434	550	14
April	2,280		8,631	186	28,289	577	21
May	6,292		10,202	589	28,011	685	34
June	4,297		10,770	444	26,484	623	42
July	2,735		10,613	330	39,255	659	n.p.
August	6,520		11,000	609	41,856	699	n.p.
September	7,736		11,091	223	35,227	433	26
1977-78 : July to Sept.	40,445		28,186	387	113,998	2,169	54
1978-79 : July to Sept.	16,991		32,704	1,162	116,338	1,791	69

## ELECTRODES FOR MANUAL WELDING, AND METERS (a)

Period	Electrodes for manual welding				Meters		
	For mild and alloy steels (523.76)	For "specials" (incl. stainless steel) (523.77)	For hardfacing applications (523.78)	Total	Electricity consumption meters (702.11)	Gas consumption meters (703.01)	Water consumption meters (703.11)
	— '000 Kilograms —				— Number —		
1975-76	21,856	303	891	23,051	254,454	73,795	193,551
1976-77	18,750	326	1,017	20,093	280,482	96,156	172,901
1977-78	16,864	293	821	17,978	248,214	83,811	171,389
1976 —							
January	622	—	13.0	635	9,490	3,012	5,981
February	1,922	39.2	64.7	2,026	21,642	6,414	17,041
March	2,147	43.8	114.0	2,305	25,445	7,413	17,743
Quarter ended —							
June	5,847	60.6	299.9	6,207	65,671	25,199	49,802
September	5,834	87.9	386.7	6,309	70,954	25,873	43,196
December	4,563	76.9	292.6	4,933	70,793	n.p.	39,615
1977 —							
March	3,787	65.9	163.5	4,016	73,516	n.p.	39,651
June	4,265	95.7	173.9	4,835	69,465	n.p.	50,439
September	4,565	94.8	293.8	4,953	63,288	n.p.	44,763
December	3,908	76.3	198.7	4,183	63,553	n.p.	40,915
1978 —							
March	3,406	69.7	136.1	3,612	57,396	n.p.	39,354
June	4,985	52.0	192.7	5,230	63,977	n.p.	46,357
September	5,068	114.0	221.9	5,404	n.p.	n.p.	42,135
1977-78 : July to Sept.	4,565	94.8	293.8	4,953	63,288	n.p.	44,763
1978-79 : July to Sept.	5,068	114.0	221.9	5,404	n.p.	n.p.	42,135

## GRAMOPHONE RECORDS AND CASSETTE TAPES

Period	Single play (646.35,65)	Extended play (646.37,41, 67.71)	Long play (b) (25cm and 30cm) (646.43,45, 73.75)	Total	"Stereo" records included in previous columns (c) (646.65,67, 71,73,75)		Cassette tapes pre-recorded (647.01)
					Other phonograph records (646.99)		
	— '000 —						
1975-76	6,396	211	21,957	28,563	26,358	141	8,593
1976-77	6,843	177	21,174	28,194	26,089	159	9,977
1977-78	6,591	157	20,111	26,859	25,294	550	11,430
1976 —							
January	524	5.3	1,509	2,038	1,845	15	606
February	412	8.1	1,835	2,255	2,104	—	654
March	565	4.4	1,728	2,297	2,059	1	803
Quarter ended							
June	1,777	60.0	4,471	6,308	5,827	11	1,796
September	1,887	46.2	5,584	7,516	6,860	35	2,290
December	1,905	71.8	6,270	8,246	7,750	43	3,093
1977 —							
March	1,597	42.6	4,916	6,555	6,028	60	2,418
June	1,455	16.5	4,405	5,876	5,452	21	2,176
September	1,585	32.1	5,464	7,082	6,743	129	2,880
December	1,474	43.9	5,801	7,319	6,968	96	3,066
1978 —							
March	1,726	49.1	4,326	6,101	5,726	230	2,581
June	1,806	31.9	4,518	6,356	5,856	95	2,981
September	1,814	29.9	5,731	7,575	7,073	n.p.	3,022
1977-78 : July to Sept.	1,585	32.1	5,464	7,082	6,743	129	2,880
1978-79 : July to Sept.	1,814	29.9	5,731	7,575	7,073	n.p.	3,022

(a) Excludes reconditioned meters. (b) Mainly 30cm L.P.'s.