



PRODUCTION BULLETIN NO. 1: ELECTRICAL APPLIANCES AUSTRALIA, AUGUST 1983

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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 these publications 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, Part 1, Introduction, Summary Classification and Commodity Keys* (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 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 quarterly

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

Manufacturing Commodities Selected Principal Articles Produced, Australia, (Preliminary) 1981-82 (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1979-80 and 1980-81 (8303.0)

8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available 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

— break in continuity of series (where a line is drawn between two consecutive figures in the same column)

R. J. CAMERON
Australian Statistician

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PLEASE NOTE: Statistics relating to electricity generation and the amount of gas available for issue through mains are no longer included in this publication. They are included in Production Bulletin No. 8 : Miscellaneous Products, Australia (8364.0)-issued monthly. For copies of this publication please telephone or write to Information Services in Canberra or any ABS State offices (see panel on cover for telephone numbers and addresses).

ELECTRICAL APPLIANCES
(Number)

Period	Kettles (699.25)	Toasters— domestic (661.22)	Propeller type fans (complete)(a) (696.01-05)	Radiators, electric fires, and room heaters	
				With visible heating units (651.11)	Other types (651.14-20)
1980-81	510,785	721,786	634,657	283,633	317,810
1981-82	470,263	676,943	583,268	292,639	321,169
1982-83	476,805	487,520	592,518	319,237	228,938
1982—					
July	51,244	68,353	23,781	10,818	8,415
August	48,534	60,738	68,296	8,819	1,737
September	36,765	58,458	86,010	n.p.	961
October	42,209	42,200	101,333	n.p.	2,374
November	48,282	36,176	70,609	n.p.	4,142
December	32,543	32,952	60,377	n.p.	n.p.
1983—					
January	n.p.	12,966	18,897	n.p.	n.p.
February	n.p.	32,373	33,053	n.p.	n.p.
March	n.p.	41,523	33,114	72,052	n.p.
April	n.p.	36,478	32,931	56,676	n.p.
May	n.p.	27,372	29,527	69,181	44,020
June	n.p.	37,931	34,590	21,382	18,362
July	n.p.	44,746	40,831	14,255	3,940
August	n.p.	23,962	42,823	n.p.	2,414
1982-83 : July to Aug.	99,778	129,091	92,077	19,637	10,152
1983-84 : July to Aug.	n.p.	68,708	83,654	n.p.	6,354

ELECTRICAL APPLIANCES—continued
(Number)

Period	Refrigerators—domestic						Clothes washing machines—domestic	
	Single door (657.33)	Twin door		Total		Freezers—domestic (upright and chest) (657.52)	Original (693.02,04)	Seasonally adjusted (b)
		Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (b)			
1980-81	128,885	65,355	132,659	326,899	..	(c)65,444	374,973	..
1981-82	134,772	63,565	151,860	350,197	..	(c)68,862	337,900	..
1982-83	90,325	53,093	107,069	250,487	..	91,161	250,294	..
1982—								
July	10,069	6,586	12,457	29,112	26,029	8,772	20,380	19,803
August	10,363	5,173	10,212	25,748	22,820	4,886	24,078	21,322
September	9,216	6,376	13,284	28,876	23,970	6,099	25,046	20,637
October	10,698	6,355	12,524	29,577	27,331	8,251	23,000	20,824
November	7,396	5,239	10,773	23,408	20,635	7,724	19,058	19,475
December	7,173	3,796	9,694	20,663	22,873	6,218	16,691	19,356
1983—								
January	1,695	n.p.	n.p.	4,850	9,064	1,612	4,222	7,976
February	8,145	n.p.	n.p.	17,431	17,649	9,782	20,468	20,749
March	6,157	n.p.	n.p.	17,784	16,250	10,208	25,303	21,778
April	6,377	n.p.	n.p.	15,147	19,502	8,266	20,683	24,426
May	n.p.	n.p.	n.p.	16,887	18,223	9,544	24,056	22,370
June	n.p.	n.p.	9,881	21,004	18,254	9,799	27,309	24,670
July	9,355	4,281	8,367	22,003	20,989	10,626	27,734	28,236
August	8,270	6,066	11,763	26,099	21,930	15,049	27,760	23,484
1982-83 : July to Aug.	20,432	11,759	22,669	54,860	..	13,658	44,458	..
1983-84 : July to Aug.	17,625	10,347	20,130	48,102	..	25,675	55,494	..

(a) Excludes fans incorporated in other equipment or used with ducting. (b) See paragraph 6, Explanatory notes. (c) Prior to July 1982 details relate to upright freezers only.

COLOUR TELEVISION SETS AND TELEVISION RECEIVING ANTENNAE
(Number)

Colour television sets

Period	Colour television sets			Total		Television receiving antennae (outdoor and loft) (647.51)
	Up to and incl. 51 cm (647.25,26)	Over 51 cm up to and incl. 56 cm (647.27)	Over 56 cm (647.28)	Original	Seasonally adjusted(a)	
1980-81	160,868	111,463	100,921	373,252	..	263,974
1981-82	157,887	104,230	92,992	355,109	..	268,447
1982-83	114,863	53,325	64,628	232,816	..	157,800
1982—						
July	11,884	6,720	8,550	27,154	22,913	15,087
August	11,072	6,058	6,432	23,562	22,233	12,531
September	8,902	5,904	7,341	22,147	19,399	7,485
October	13,263	4,100	5,313	22,676	19,882	10,740
November	13,720	3,425	3,234	20,379	18,473	10,211
December	9,164	3,027	3,230	15,421	17,892	10,922
1983—						
January	2,151	1,382	766	4,299	11,808	6,740
February	9,096	5,203	4,676	18,975	18,137	16,574
March	8,503	4,540	6,577	19,620	17,007	17,594
April	7,309	3,177	6,250	16,736	18,246	17,460
May	11,215	4,499	4,943	20,657	19,858	15,104
June	8,584	5,290	7,316	21,190	19,554	17,352
July	11,222	4,940	5,364	21,526	19,950	16,607
August	9,925	4,954	6,850	21,729	19,852	20,198
1982-83 : July to Aug.	22,956	12,778	14,982	50,716	..	27,618
1983-84 : July to Aug.	21,147	9,894	12,214	43,255	..	36,805

STORAGE BATTERIES AND AIR CONDITIONERS
(Number)

Air conditioners (complete units)

Period	Storage batteries— wet cell(b)—		Room refriger- ated (657.03, 05)	Package units			Total
	Automotive starting, lighting and ignition (New)			Capacity			
	6 volt (685.13)	12 volt (685.17)		Up to and incl. 17.5kw (657.21)	Over 17.5 kw up to and incl. 35 kw (657.22)	Over 35 kw (657.23)	
1980-81	220,770	2,511,371	58,202	29,417	1,611	1,118	90,348
1981-82	191,802	2,555,098	n.p.	32,630	2,337	n.p.	96,250
1982-83	160,809	2,420,943	n.p.	14,568	1,474	n.p.	42,422
1982—							
July	13,411	214,794	n.p.	1,483	204	n.p.	6,510
August	11,239	182,602	n.p.	1,262	83	n.p.	4,364
September	16,359	190,397	n.p.	1,428	201	n.p.	4,537
October	8,719	178,749	n.p.	1,693	178	n.p.	5,361
November	12,947	191,769	n.p.	1,747	131	n.p.	5,228
December	13,163	160,092	n.p.	2,059	112	n.p.	4,949
1983—							
January	7,786	111,207	n.p.	575	59	n.p.	1,792
February	12,995	191,417	n.p.	1,520	111	n.p.	2,596
March	16,047	258,231	n.p.	886	83	n.p.	2,073
April	13,746	225,805	n.p.	733	81	n.p.	1,663
May	16,041	261,352	n.p.	553	112	n.p.	1,616
June	18,356	254,528	n.p.	629	119	n.p.	1,733
July	15,439	226,139	n.p.	824	107	n.p.	2,275
August	15,836	244,586	n.p.	1,598	98	n.p.	4,140
1982-83 : July to Aug.	24,650	397,396	n.p.	2,745	287	n.p.	10,874
1983-84 : July to Aug.	31,275	470,725	n.p.	2,422	205	n.p.	6,415

(a) See paragraph 6. Explanatory notes. (b) Includes domestic units.

(a) See paragraph 6, Explanatory notes. (b) Includes dry charged batteries, but excludes dry-cell batteries.

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)
1980-81	395	143	385	931	808	279	241	466	3,648	..
1981-82	393	119	395	1,125	568	234	348	313	3,495	..
1982-83	232	104	369	598	320	188	254	251	2,314	..
1982—										
July	26	9.5	18.8	50.6	46.9	17.5	32.0	21.7	223	217
August	25	10.8	24.9	74.4	38.0	27.7	28.8	22.8	252	229
September	25	14.0	35.5	77.1	37.4	25.9	31.7	24.4	271	214
October	21	15.1	61.9	85.7	31.9	22.7	33.1	24.3	296	246
November	22	10.6	33.3	67.8	34.4	18.6	22.5	22.3	232	199
December	21	14.5	31.5	47.9	27.1	16.9	10.4	15.4	184	176
1983—										
January	4	n.p.	n.p.	14.1	4.2	2.4	1.2	7.0	51	132
February	17	n.p.	n.p.	32.5	22.0	9.8	16.9	18.8	154	162
March	22	n.p.	n.p.	26.6	31.6	22.5	18.6	19.9	176	160
April	15	n.p.	n.p.	30.0	9.5	7.2	17.2	22.3	141	164
May	16	n.p.	n.p.	41.3	12.8	7.3	17.4	24.6	149	166
June	19	n.p.	n.p.	50.2	23.7	9.1	23.7	27.1	185	183
July	20	n.p.	n.p.	43.3	13.2	15.9	20.3	27.6	193	192
August	27	n.p.	n.p.	61.9	34.3	13.9	25.9	23.7	227	198
1982-83 : July to Aug.	51.0	20.3	43.7	125	84.9	45.3	60.8	44.5	475	..
1983-84 : July to Aug.	47.0	n.p.	n.p.	105	47.5	29.8	46.2	51.3	420	..

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 over (503.31,32)	Total 720W and over		Total electric motors
						Original	Seas. adj.(b)	
1980-81	329	15.9	7.1	6.2	1.73	360	..	4,008
1981-82	335	12.8	6.8	7.0	2.35	364	..	3,859
1982-83	219	9.2	4.5	4.2	1.98	239	..	2,553
1982—								
July	19.6	0.93	0.54	0.36	0.19	21.6	21.2	245
August	22.6	1.41	0.45	0.27	0.25	24.9	22.7	277
September	30.0	0.69	0.17	0.56	0.20	31.6	30.0	303
October	23.0	1.12	0.35	0.30	0.20	25.0	20.3	321
November	20.7	0.71	0.65	0.53	0.19	22.8	19.3	254
December	19.6	0.65	0.43	0.30	0.12	21.0	19.9	205
1983—								
January	5.7	0.12	0.06	0.08	0.07	6.0	17.3	57
February	9.9	0.63	0.33	0.31	0.15	11.3	11.2	165
March	16.2	0.54	0.46	0.54	0.20	17.9	17.1	194
April	14.5	0.76	0.58	0.22	0.15	16.2	19.3	157
May	19.0	0.79	0.35	0.40	0.13	20.7	17.5	170
June	18.2	0.83	0.16	0.31	0.15	19.7	21.1	204
July	17.2	0.75	0.50	0.24	0.12	18.8	19.1	212
August	27.0	0.92	0.35	0.39	0.14	28.8	24.9	255
1982-83 : July to Aug.	42.1	2.33	0.99	0.63	0.44	46.5	..	522
1983-84 : July to Aug.	44.2	1.67	0.85	0.63	0.26	47.6	..	467

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

(b) See paragraph 6. Explanatory notes.

GRAMOPHONE RECORDS, CASSETTE TAPES, ELECTRODES FOR MANUAL WELDING AND METERS

Period	Gramophone records and cassette tapes			Electrodes for manual welding				Total	Water consumption meters(a) (703.11)
	Conventional solid disc—		Cassette tapes pre- recorded (647.98)	For mild and alloy steels (523.76)	For 'specials' (incl. stainless steel) (523.77)	For hardfacing applications (523.78)			
	45 r.p.m.— all sizes (647.90,91, 93,94)	33 r.p.m.— all sizes (647.92,95)					Total		
	'000	'000	'000	'000	'000 kg	'000 kg	'000 kg	'000 kg	number
1980-81	11,606	22,385	33,991	13,687	22,124	303	733	23,159	171,492
1981-82	9,395	20,081	29,476	14,622	21,210	282	836	22,327	177,524
1982-83	7,410	16,157	23,567	15,919	18,496	237	640	19,372	192,987
1980—									
March qtr	2,554	4,739	7,293	2,914	4,551	107.2	220	4,878	39,138
June qtr	2,961	5,753	8,714	3,337	5,345	127.2	273	5,745	45,881
September qtr	2,673	5,304	7,977	2,888	5,588	65.2	258	5,911	46,207
December qtr	2,912	6,679	9,592	3,841	5,688	101.8	183	5,973	42,057
1981—									
March qtr	2,349	5,048	7,397	3,273	4,789	53.0	124	4,966	34,223
June qtr	3,672	5,354	9,025	3,685	6,059	82.7	168	6,309	49,005
September qtr	2,634	5,700	8,334	4,426	6,378	106.9	224	6,709	40,245
December qtr	2,695	6,413	9,109	4,297	5,304	45.3	208	5,557	48,795
1982—									
March qtr	1,799	3,592	5,391	2,534	4,385	48.4	190	4,623	39,361
June qtr	2,266	4,376	6,642	3,365	5,143	81.5	214	5,438	49,123
September qtr	2,126	4,486	6,611	3,533	5,523	71.4	156	5,750	52,263
December qtr	1,763	5,122	6,885	3,877	4,494	61.5	101	4,657	48,527
1983—									
March qtr	1,602	3,370	4,972	3,312	3,681	36.0	184	3,901	39,717
June qtr	1,919	3,179	5,099	3,197	4,797	67.7	199	5,064	52,480

(a) Excludes reconditioned meters.

ELECTRICAL POWER FREQUENCIES TRANSFORMERS, CHOKES AND BALLASTS FOR TRANSMISSION AND DISTRIBUTION OF POWER(b)
(Total kVA)

Period	Over 1 kVA up to and including 50 kVA		Over 50 kVA up to and including 500 kVA (683.35)	Over 500 kVA up to and including 1,000 kVA (683.57)	Over 1,000 kVA up to and including 10,000 kVA (683.59)	Over 10,000 kVA (683.61)	Total
	Single phase (683.53)	Three phase (683.54)					
1980-81	160,015	101,258	1,126,634	644,925	1,346,662	4,039,500	7,418,994
1981-82	136,311	105,399	1,523,722	672,800	1,249,450	4,370,500	8,060,182
1982-83	117,990	75,537	1,120,284	628,195	n.p.	n.p.	8,195,573
1982—							
July	11,301	10,277	155,191	54,250	n.p.	n.p.	445,619
August	16,797	5,473	117,975	61,050	n.p.	n.p.	860,200
September	9,981	9,380	128,607	89,100	n.p.	n.p.	661,268
October	13,976	6,522	103,624	68,700	n.p.	n.p.	798,912
November	8,116	7,298	105,864	62,375	n.p.	n.p.	695,660
December	13,417	7,359	76,551	43,400	n.p.	n.p.	667,977
1983—							
January	n.p.	112	31,876	9,950	n.p.	n.p.	564,910
February	n.p.	5,551	93,850	47,550	n.p.	n.p.	769,053
March	n.p.	5,350	73,891	79,400	n.p.	n.p.	1,038,001
April	n.p.	6,153	75,232	37,000	n.p.	n.p.	399,166
May	n.p.	7,287	93,432	43,020	n.p.	n.p.	586,650
June	n.p.	4,245	64,191	32,400	n.p.	n.p.	708,157
July	15,885	6,637	81,270	50,350	n.p.	n.p.	1,444,942
August	12,500	2,979	106,819	24,350	n.p.	n.p.	562,608
1982-83 : July to Aug.	28,098	15,750	273,166	115,300	n.p.	n.p.	1,305,819
1983-84 : July to Aug.	28,385	9,616	188,089	74,700	n.p.	n.p.	2,002,550

(a) Excludes reconditioned meters. (b) 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.