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Statistics**

**April 1989
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Electrical Appliances
Australia**

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**PRODUCTION OF
ELECTRICAL APPLIANCES, AUSTRALIA
APRIL 1989**

IAN CASTLES
Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8357.0

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TABLE 1. ELECTRICAL APPLIANCES
(number)

Period	Kettles (699.23)	Propeller type fans (complete)(a) (696.01.03.05)	Radiators, electric fires and room heaters		Clothes washing machines—domestic	
			Without visible heating units (651.14.16.18.20)	With visible heating units(b) (651.11)	Original (693.02.04)	Seasonally adjusted (c)
1985-86	457,952	679,074	292,013	..	281,778	..
1986-87	422,084	651,272	385,627	217,723	400,248	..
1987-88	623,903	736,335	338,172	242,145	394,313	..
1988—						
February	49,854	73,836	46,898	24,314	36,969	35,209
March	62,505	69,404	77,795	46,365	37,699	31,841
April	62,490	45,849	75,229	59,932	27,250	31,772
May	58,324	44,755	51,949	55,847	30,966	31,164
June	45,366	52,007	25,252	19,141	28,285	25,960
July	28,182	46,109	19,509	1,811	29,588	26,639
August	49,843	63,745	13,186	3,857	36,995	33,792
September	49,331	90,272	3,194	1,326	38,509	35,979
October	59,014	78,695	4,115	89	32,289	30,891
November	58,112	80,207	12,420	n.p.	36,747	32,244
December	65,994	65,609	21,313	n.p.	33,397	38,101
1989—						
January	24,913	32,303	22,992	n.p.	11,792	23,068
February	51,009	52,755	63,814	15,539	37,554	35,702
March	54,702	60,755	75,746	21,603	36,050	34,488
April	54,294	52,158	72,549	39,187	33,299	36,498
1987-88: July to Apr.	520,213	639,573	260,973	n.p.	335,062	..
1988-89: July to Apr.	495,394	622,608	308,838	n.p.	326,220	..

TABLE 1. ELECTRICAL APPLIANCES—continued
(number)

Refrigerators—domestic						
Period	Twin door			Total		Freezers— domestic (upright and chest) (657.52)
	Single door (657.33)	Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (c)	
1985-86	104,767	80,525	142,447	327,739	..	121,091
1986-87	105,089	70,360	113,887	289,336	..	107,204
1987-88	133,049	87,580	165,120	385,749	..	104,233
1988—						
February	10,904	8,544	15,373	34,821	32,054	9,234
March	11,789	6,603	12,239	30,631	31,728	8,659
April	9,958	7,074	13,094	30,126	34,035	7,123
May	10,683	9,057	16,078	35,818	37,095	9,617
June	11,002	8,169	15,689	34,860	33,514	8,117
July	8,003	12,311	9,891	30,205	30,528	8,949
August	12,497	12,542	11,185	36,224	32,041	9,834
September	13,479	8,762	14,208	36,449	30,631	10,170
October	9,164	9,462	10,205	28,831	26,669	9,333
November	5,712	10,070	10,701	26,483	22,968	10,640
December	6,966	7,159	12,674	26,799	29,305	8,237
1989—						
January	7,059	5,419	10,374	22,852	36,719	8,117
February	10,805	8,590	15,713	35,108	33,907	8,835
March	10,683	6,030	13,994	30,707	34,323	9,009
April	9,763	6,221	14,568	30,552	32,593	8,153
1987-88: July to Apr.	111,364	70,354	133,353	315,071	..	86,499
1988-89: July to Apr.	94,131	86,566	123,513	304,210	..	91,277

(a) Excludes fans incorporated in other equipment or used with ducting. (b) Not collected from July 1985 to June 1986 inclusive. (c) See paragraph 6, Explanatory Notes.

TABLE 2. COLOUR TELEVISION SETS (a) (b)
(number)

Period	Less than 38cm (647.14)	38cm but less than 48cm (647.15)	48cm but less than 53cm (647.16)	53cm but less than 62cm (647.17)	62cm but less than 70cm (647.18)	Over 70cm (647.19)	Total	
							Original	Seasonally adjusted (c)
1985-86							237,925	..
1986-87							210,590	..
1987-88							176,756	..
Not available separately prior to July 1988 (b)								
1988—								
February							12,927	12,356
March							13,784	11,710
April							10,371	11,941
May							12,899	12,081
June							12,646	11,938
July	—	n.p.	6,408	n.p.	2,694	437	11,141	9,757
August	—	n.p.	9,000	n.p.	4,350	73	14,145	12,833
September	—	n.p.	7,285	n.p.	4,408	447	13,973	11,745
October	—	n.p.	8,371	n.p.	4,483	483	14,117	13,653
November	—	n.p.	8,728	n.p.	5,276	n.p.	15,604	14,245
December	—	n.p.	9,180	n.p.	3,582	n.p.	14,215	15,890
1989—								
January	—	n.p.	3,270	n.p.	524	n.p.	4,482	13,176
February	—	n.p.	7,266	n.p.	5,586	—	13,568	13,165
March	—	n.p.	10,868	—	n.p.	—	16,498	14,462
April	—	n.p.	8,307	n.p.	5,049	—	13,802	16,067
1987-88: July to Apr.	..	..	..	..	..	..	151,211	..
1988-89: July to Apr.	—	n.p.	78,683	n.p.	n.p.	n.p.	131,545	..

(a) Television with cabinets; excludes televisions combined with radios, etc. (b) Colour television sets were previously published using different size categories. See the June 1988 issue of this publication for previous data. (c) See paragraph 6, Explanatory Notes.

TABLE 3. STORAGE BATTERIES
(number)

Period	Storage batteries— wet cell(a)—	
	Automotive starting, lighting and ignition (New)	
	6 volt (685.13)	12 volt (685.17)
1985-86	147,463	2,605,213
1986-87	107,814	2,342,798
1987-88	94,683	2,265,326
1988—		
February	3,659	169,349
March	8,794	218,226
April	2,299	175,717
May	8,037	215,360
June	7,309	253,299
July	5,982	229,812
August	14,275	225,812
September	7,579	259,849
October	8,696	182,594
November	4,759	160,108
December	2,344	122,353
1989—		
January	4,025	109,831
February	4,675	142,358
March	4,956	205,388
April	8,202	215,124
1987-88: July to Apr.	79,337	1,781,858
1988-89: July to Apr.	65,493	1,853,229

TABLE 4. AIR CONDITIONERS
(number)

Period	Packaged unit air conditioners	
	Capacity	
	Up to and incl. 17.5k W (657.21)	Over 17.5k W (657.22.23)
1985-86	13,427	4,161
1986-87	10,382	5,103
1987-88	13,583	5,766
1988—		
February	1,227	369
March	1,176	377
April	1,139	337
May	1,293	499
June	1,055	464
July	1,198	565
August	1,175	548
September	1,606	525
October	2,088	348
November	1,723	527
December	1,290	503
1989—		
January	1,071	466
February	1,182	441
March	858	291
April	1,140	526
1987-88: July to Apr.	11,235	4,803
1988-89: July to Apr.	13,331	4,740

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

TABLE 5. ELECTRIC MOTORS(a)
(^{'000})

Period	Under 720W								Total under 720 W	
	Up to and including 16 W (503.13)	Over 16 W up to and including 80 W (503.14,15)	Over 80 W up to and including 130 W (503.16)	Over 130 W up to and including 190 W (503.22)	Over 190 W up to and including 260 W (503.23)	Over 260 W up to and including 380 W (503.24)	Over 380 W up to and including 570 W (503.25)	Over 570 W and under 720 W (503.26)		
									Original	Seas. adj.(b)
1985-86	186	623	389	110	82	276	191	105	1,961	..
1986-87	95	753	473	53	119	335	243	83	2,154	..
1987-88	84	902	564	60	136	320	295	27	2,387	..
1988—										
February	5.3	72.5	50.5	7.7	10.9	22.9	24.8	1.7	197	198
March	5.3	84.5	55.1	7.4	12.5	23.4	25.7	1.6	215	199
April	6.2	71.4	44.0	5.3	9.3	23.5	18.0	2.6	180	215
May	7.5	80.0	58.2	4.5	11.1	27.5	20.9	3.2	213	238
June	8.8	79.9	64.1	8.3	15.6	26.8	21.7	3.0	228	221
July	5.6	85.0	58.8	n.p.	12.3	27.6	23.3	n.p.	223	212
August	10.3	88.7	55.2	n.p.	15.4	33.3	30.1	n.p.	244	221
September	7.5	88.2	61.0	n.p.	13.3	34.7	28.3	n.p.	256	215
October	10.7	78.3	41.9	n.p.	12.9	26.4	24.5	n.p.	206	180
November	10.0	111.6	43.4	n.p.	14.2	29.4	33.5	n.p.	253	207
December	6.9	78.6	33.7	n.p.	12.7	24.0	27.7	n.p.	199	203
1989—										
January	5.8	39.9	21.7	n.p.	8.4	15.1	16.7	n.p.	113	240
February	9.8	83.9	56.6	n.p.	17.7	30.6	31.5	n.p.	242	243
March	6.3	75.9	49.5	3.9	14.9	27.7	27.6	2.5	208	210
April	n.p.	65.6	50.5	8.5	10.5	23.9	25.2	n.p.	196	217
1987-88: July to Apr.	67	741	442	47	109	266	252	22	1,946	..
1988-89: July to Apr.	n.p.	796	473	n.p.	133	273	268	n.p.	2,140	..

TABLE 5. ELECTRIC MOTORS(a)—continued
(^{'000})

Period	720 W and over							Total 720 W and over		Total electric motors
	720 W and under	1850W and under	3.71 KW and under	7.2 KW and under	37.1 kW and under	72 kW and over	Original	Seas. adj.(b)		
	1850 W (503.27)	3710 W (503.28)	7.2 kW (503.29)	37.1kW (503.30)	72 kW (503.31)					
1985-86	314	19.4	9.6	10.5	0.81	1.20	356	..	2,316	
1986-87	330	19.8	7.7	10.1	0.52	0.88	369	..	2,523	
1987-88	410	27.3	8.2	9.6	0.65	1.02	456	..	2,844	
1988—										
February	23.8	2.94	1.01	0.50	0.07	0.06	28.3	31.5	225	
March	37.0	2.23	0.68	1.07	0.11	0.09	41.2	37.1	257	
April	28.0	2.05	0.62	0.77	0.05	0.10	31.6	37.5	212	
May	43.2	4.28	0.41	0.65	0.06	0.10	48.7	48.1	262	
June	36.0	3.04	0.53	1.25	0.02	0.13	41.0	39.5	269	
July	29.5	3.40	0.71	1.04	0.04	0.10	34.8	34.2	258	
August	35.1	2.81	2.62	0.57	0.08	0.12	41.5	37.8	286	
September	33.5	3.21	0.56	0.94	0.03	0.12	38.6	34.9	294	
October	38.1	3.95	0.46	0.75	0.06	0.09	43.4	39.3	249	
November	42.6	2.69	n.p.	n.p.	0.04	0.12	49.2	38.8	302	
December	37.7	2.43	n.p.	n.p.	0.03	0.09	41.1	37.7	240	
1989—										
January	19.1	2.13	0.05	0.11	0.02	0.03	21.4	47.7	134	
February	37.4	3.96	0.64	1.49	0.03	0.13	43.6	50.7	285	
March	32.6	2.67	1.70	0.50	0.05	0.07	37.6	36.7	246	
April	28.9	2.73	1.28	1.01	0.06	0.07	34.1	38.9	230	
1987-88: July to Apr.	330	20	7.22	7.73	0.55	0.79	367	..	2,313	
1988-89: July to Apr.	335	30	n.p.	n.p.	0.42	0.93	385	..	2,525	

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

TABLE 6. PHONOGRAPH RECORDS, CASSETTE TAPES ('000)

Period	Phonograph records and cassette tapes		
	Conventional stereophonic discs		Cassette tapes pre-recorded
	45 r.p.m. (647.93.94)	33 r.p.m. (647.95)	(647.98)
1985-86	8,015	14,422	20,623
1986-87	7,391	14,335	21,245
1987-88	8,104	14,910	26,843
1986—			
March qtr	1,721	3,142	4,355
June qtr	1,983	3,071	4,465
September qtr	1,778	3,317	4,593
December qtr	2,240	4,974	7,272
1987—			
March qtr	1,450	2,829	4,737
June qtr	1,923	3,215	4,643
September qtr	2,136	3,566	6,385
December qtr	2,314	4,856	8,442
1988—			
March qtr	1,743	3,127	5,792
June qtr	1,912	3,361	6,224
September qtr	1,935	3,602	7,625
December qtr	2,255	4,558	9,558
1989—			
March qtr	1,729	2,686	5,604
1987-88: July to Mar.	6,192	11,549	20,619
1988-89: July to Mar.	5,918	10,847	22,787

TABLE 7. ELECTRODES ('000 kg)

Period	Electrodes for manual welding			Water consumption meters(excl reconditioned) (482.78)
	For mild and alloy steels (523.76)		For 'specials' (incl. stainless steel) (523.77)	For hardfacing applications (523.78)
1985-86	14,891	301	713	186,877
1986-87	13,541	382	648	204,476
1987-88	12,561	318	722	244,464
1986—				
March qtr	3,697	82.4	91	43,082
June qtr	3,952	91.5	215	48,653
September qtr	3,826	104.6	169	53,425
December qtr	2,562	62.7	132	49,288
1987—				
March qtr	3,480	100.0	142	45,540
June qtr	3,672	114.3	206	56,223
September qtr	4,005	117.8	184	49,462
December qtr	2,606	58.3	107	51,203
1988—				
March qtr	3,129	71.7	211	54,870
June qtr	2,820	70.0	220	88,929
September qtr	3,251	61.3	195	76,709
December qtr	2,936	63.7	121	75,223
1989—				
March qtr	2,700	27.1	126	63,070
1987-88: July to Mar.	9,740	248	502	155,535
1988-89: July to Mar.	8,887	152	442	215,002

TABLE 9. ELECTRICAL POWER FREQUENCIES TRANSFORMERS, CHOKES AND BALLASTS FOR TRANSMISSION AND DISTRIBUTION OF POWER(a)
(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	Over 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)	(683.61)	
1985-86	158,664	84,319	1,042,245	566,230	1,191,102	3,994,250	7,036,810
1986-87	162,335	79,151	1,328,376	993,874	1,441,488	4,390,500	8,395,724
1987-88	126,250	72,602	1,090,687	890,098	1,466,468	4,913,002	8,559,107
1988—							
February	11,079	9,323	86,308	76,804	87,705	32,500	303,719
March	9,491	6,460	100,670	86,614	103,610	132,501	439,346
April	12,643	5,907	107,806	77,352	79,682	83,000	366,390
May	9,726	10,661	138,334	73,652	89,950	491,000	813,323
June	13,158	9,858	111,369	44,132	143,106	459,501	781,124
July	19,519	2,765	110,835	60,252	122,645	65,000	381,016
August	16,608	11,312	111,963	57,002	138,800	496,500	832,185
September	18,221	9,191	115,469	61,502	101,070	161,000	466,453
October	15,659	5,528	117,142	57,634	77,940	544,000	817,903
November	19,169	5,670	232,674	65,252	96,595	145,000	564,360
December	18,195	6,229	107,291	42,704	81,980	165,000	421,399
1989—							
January	9,701	5,221	50,038	58,002	39,500	105,000	267,462
February	17,839	9,095	128,948	56,133	104,196	45,000	361,211
March	17,695	7,887	91,883	69,052	71,195	254,000	511,712
April	20,168	4,760	129,572	73,302	289,327		517,129
1987-88: July to Apr.	103,366	52,083	840,984	772,314	1,233,412	3,962,501	6,964,660
1988-89: July to Apr.	172,774	67,658	1,195,815	600,835	3,103,748		5,140,830

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

EXPLANATORY NOTES

Introduction

1. 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 the commodity codes used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. In general, where items are combined they have been 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. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed 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 'working-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. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

Related publications

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

Production of Clothing and Footwear, Australia (8358.0) — issued monthly

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Production of Chemicals and By-products, Australia (8362.0) — issued monthly

Production of Motor Vehicles, Motor Bodies and Trained Vehicles, Australia (8363.0) — issued quarterly

Production of Energy and Metal Products, Australia (8364.0) — issued monthly

Manufacturing Commodities: Selected Principal Articles Produced, Australia, 1986-87, Preliminary (8365.0)

Manufacturing Commodities: Principal Articles Produced, Australia, 1983-84 and 1984-85 (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 for any ABS office.

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