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Australia**

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ELECTRICAL APPLIANCES, AUSTRALIA  
JANUARY 1989**

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AUSTRALIAN BUREAU OF STATISTICS

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TABLE 1. ELECTRICAL APPLIANCES  
(number)

Period	Radiators, electric fires and room heaters				Clothes washing machines—domestic	
	Kettles (699.23)	Propeller type fans (complete)(a) (696.01,03.05)	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	..
1987—						
November	53,112	74,439	3,275	n.p.	42,881	42,044
December	71,641	58,520	3,500	5,425	34,805	37,820
1988—						
January	18,693	35,594	10,071	9,963	11,724	23,002
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	1,894	n.p.	11,792	23,068
1987-88: July to Jan.	345,364	450,484	61,051	n.p.	233,144	..
1988-89: July to Jan.	335,389	456,940	75,631	n.p.	219,317	..

TABLE 1. ELECTRICAL APPLIANCES—continued  
(number)

Period	Refrigerators—domestic					Freezers— domestic (upright and chest) (657.52)
	Single door (657.33)	Twin door		Original	Seasonally adjusted (c)	
		Frost free (657.34)	Other (657.35)			
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
1987—						
November	10,480	7,162	14,886	32,528	29,263	8,242
December	8,463	5,905	14,536	28,904	30,334	6,447
1988—						
January	7,046	4,356	7,916	19,318	32,336	4,784
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
1987-88: July to Jan.	78,713	48,133	92,647	219,493	..	61,483
1988-89: July to Jan.	62,880	65,725	79,238	207,843	..	65,280

(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 but	48cm but	53cm but	62cm but	Over 70cm	Total	
	38 cm	less than 46cm	less than 53cm	less than 62cm	less than 70cm		Original	Seasonally adjusted (c)
1985-86	(647.14)	(647.15)	(647.16)	(647.17)	(647.18)		237,925	..
1986-87							210,590	..
1987-88							176,756	..
1987—								
November				Not available separately prior to July 1988 (b)			18,630	18,086
December							12,972	14,462
1988—								
January							3,025	8,652
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
1987-88: July to Jan.	..	..	..	..	..	..	114,129	..
1988-89: July to Jan.	—	n.p.	52,242	n.p.	25,317	n.p.	87,677	..

(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
1987—		
November	10,801	184,024
December	4,746	144,368
1988—		
January	3,903	74,486
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	n.p.	184,306
December	n.p.	122,353
1989—		
January	n.p.	109,831
1987-88: July to Jan.	64,585	1,218,566
1988-89: July to Jan.	n.p.	1,314,557

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

**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	r10,382	r5,103
1987-88	r13,583	r5,766
1987—		
November	r1,299	r608
December	r1,065	r499
1988—		
January	r	r
February	967	322
March	1,227	369
April	1,176	377
May	1,139	337
June	1,293	499
July	1,055	464
August	1,198	565
September	1,175	548
October	1,606	525
November	2,088	348
December	1,723	527
1989—		
January	1,290	503
1987-88: July to Jan.	1,071	466
1988-89: July to Jan.	7,693	3,720
1988-89: July to Jan.	10,151	3,482

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, 625)	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 (503.2, 3)	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	r473	53	119	335	243	83	r2,154	..
1987-88	84	902	564	60	136	320	295	27	r2,387	..
1987—										
November	5.1	78.7	53.3	3.1	8.0	29.7	32.2	2.7	213	186
December	4.8	70.3	40.1	5.9	10.8	33.2	31.0	2.1	198	194
1988—										
January	3.4	36.3	17.1	2.3	6.1	13.0	9.2	1.3	89	189
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
1987-88: July to Jan.	50.9	513	292	26.9	76.2	196	184	15.2	1,354	..
1988-89: July to Jan.	56.8	570	316	n.p.	89.2	190	184	n.p.	1,494	..

TABLE 5. ELECTRIC MOTORS(a)—continued  
(\*000)

Period	720 W and over							Total 720 W and over		Total electric motors
	720 W and under 1850 W (503.27)	1850W and under 3710 W (503.28)	371 kW and under 72 kW (503.29)	72 kW and under 37.1kW (503.30)	37.1 kW and under 72 kW (503.31)	72 kW and over (503.32)	Original	Seas. adj.(b)		
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	..	r2,523	
1987-88	410	27.3	8.2	9.6	0.65	1.02	456	..	2,844	
1987—										
November	36.7	1.55	1.06	0.39	0.03	0.07	39.8	33.0	253	
December	37.7	1.65	0.62	0.74	0.05	0.10	40.9	36.2	239	
1988—										
January	11.4	1.66	0.03	0.16	0.03	0.05	13.3	29.6	102	
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	0.45	1.11	0.02	0.03	21.4	46.7	134	
1987-88: July to Jan.	241	12.76	4.92	5.36	0.33	0.55	265	..	1,619	
1988-89: July to Jan.	235	20.63	n.p.	n.p.	0.29	0.66	269	..	1,763	

(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		Cassette tapes pre-recorded (647.98)
	Conventional stereophonic discs		
	45 r.p.m. (647.93,94)	33 r.p.m. (647.95)	
1985-86	8,015	14,422	20,623
1986-87	7,391	14,335	21,245
1987-88	8,104	14,910	26,843
1985—			
December qtr	2,144	4,545	6,187
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
1987-88: July to Dec.	4,449	8,422	14,827
1988-89: July to Dec.	4,189	8,161	17,183

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	12,951	382	633	204,476
1987-88	13,097	318	708	244,464
1985—				
December qtr	3,239	68.2	129	47,269
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	3,082	114.3	190	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	3,356	70.0	207	88,929
September qtr	3,251	61.3	195	76,709
December qtr	2,889	65.3	121	75,193
1987-88: July to Dec.	6,612	176	291	100,665
1988-89: July to Dec.	6,140	127	316	151,902

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 (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)					
	1985-86	158,664	84,319	1,042,245	566,230	1,191,102	
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
1987—							
November	12,406	6,181	96,843	85,550	221,315	1,281,500	1,703,795
December	11,504	5,154	76,460	59,100	130,110	629,000	911,328
1988—							
January	5,011	r1,612	33,205	28,380	64,195	63,000	195,403
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	107,806	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	r18,195	r6,229	r107,291	42,704	81,980	165,000	r421,399
1989—							
January	9,701	5,221	50,038	58,002	39,500	105,000	267,462
1987-88: July to Jan.	70,153	30,393	546,200	531,544	962,415	3,714,500	5,855,205
1988-89: July to Jan.	117,072	45,916	845,412	402,348	658,530	1,681,500	3,750,778

(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 I: 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 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, Motor Bodies and Trailed Vehicles, Australia* (8363.0) — issued quarterly

*Production Bulletin No. 8 : Miscellaneous 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.

**Symbols and other usages**

n.y.a.	not yet available
n.p.	not available for separate publication (but included in totals where applicable)
—	nil or rounded to zero
..	not applicable
r	revised since previous issue

**Electronic Services**

VIATEL. Key \*656# for selected current economic, social and demographic statistics.

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Further information is available on (062) 52 5404.

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