



PRODUCTION BULLETIN NO. 1 : ELECTRICAL APPLIANCES AUSTRALIA, APRIL 1987

- PHONE INQUIRIES • *about these statistics*—contact Rod Martin on Canberra (062) 52 5558 or any ABS State office.
• *about other statistics and ABS services*—contact Information Services on Canberra (062) 52 6007, 52 6627, 52 5402 or any ABS State office.
- MAIL INQUIRIES • write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State office.
- ELECTRONIC SERVICES • on VIATEL — key *656#.
• on AUSSTATS — phone (062) 52 6017.
• on TELESTATS — phone (062) 52 5404.

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 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 '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. 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, 1984-85, 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 from any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
.. not applicable

IAN CASTLES
Australian Statistician

INDEX

	<i>Page</i>		<i>Page</i>
Air conditioners	4	Meters, water consumption	6
Antennae, T.V.	4	Motors, electric	5
Automotive storage batteries	4	Phonograph records	6
Cassette tapes	6	Radiators, electric	3
Chokes and ballasts	6	Records, phonograph	6
Clothes washing machines, domestic	3	Refrigerators, domestic	3
Electrical appliances	3	Room heaters, electric	3
Electric motors	5	Storage batteries, automotive	4
Electrodes, for manual welding	6	Toasters, domestic	3
Fans, electric	3	Transformers	6
Fires, electric	3	T.V. Sets and antennae	4
Freezers, domestic	3	Washing machines, clothes	3
Kettles, electric	3	Water consumption meters	6

ELECTRICAL APPLIANCES (number)

Period	Radiator, electric fires and room heaters						
	Propeller type fans (complete)a			Without visible heating units			
	Kettles (699.25)	Toasters— domestic (661.22)	Up to and including 20 cm diameter (696.01)	Over 20 cm diameter (696.03,05)	Heatbanks (incl. midbanks) (651.14,16)	Other (651.18,20)	With visible heating units(b) (651.11)
1983-84	464,830	399,178	614,147	290,493	267,792	262,192	262,192
1984-85	560,956	326,281	596,610	267,792	267,792	238,817	238,817
1985-86	457,952	305,809	120,940	558,134	9,075	282,938	..
1986—							
February	35,090	24,542	14,526	48,219	41,916	..	..
March	36,619	17,583	11,503	36,099	47,247	..	..
April	27,270	20,923	12,487	38,551	162	68,079	..
May	32,542	16,212	8,769	42,066	212	39,349	..
June	31,646	36,031	3,300	31,315	223	47,076	..
July	n.p.	31,874	3,702	45,359	32,766	13,762	13,762
August	n.p.	34,607	56,336	52,375	4,120	3,927	3,927
September	n.p.	32,220	52,375	78,072	2,543	n.p.	n.p.
October	n.p.	45,315	80,772	7,524	7,524	n.p.	n.p.
November	n.p.	35,875	80,772	6,160	6,160	n.p.	n.p.
December	n.p.	21,990	20,195	49,753	4,338	n.p.	n.p.
1987—							
January	n.p.	15,542	22,868	2,394	2,394	n.p.	n.p.
February	n.p.	30,948	42,804	51,688	51,688	n.p.	n.p.
March	n.p.	34,956	38,569	83,535	83,535	52,899	52,899
April	n.p.	25,068	45,656	80,969	80,969	43,575	43,575
1985-86 : July to Apr.	393,764	253,566	108,871	484,753	205,153	..	..
1986-87 : July to Apr.	n.p.	308,395	536,461	276,037	276,037	148,190	148,190

ELECTRICAL APPLIANCES—continued (number)

Period	Refrigerators—domestic						
	Twin door			Total		Clothes washing machines—domestic	
	Single door (657.33)	Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (c)	Original (693.02,04)	Seasonally adjusted (c)
1983-84	93,213	60,482	129,768	283,463	..	153,239	294,041
1984-85	77,384	60,409	113,767	251,560	..	97,482	275,679
1985-86	104,767	80,525	142,447	327,739	..	121,091	281,778
1986—							
February	8,684	6,842	11,178	26,704	26,538	10,212	22,175
March	7,066	4,339	10,162	21,567	24,006	8,875	22,696
April	8,173	4,946	10,791	23,910	23,216	6,757	24,145
May	5,256	3,761	7,525	16,542	18,042	3,580	28,716
June	6,438	5,893	7,320	19,651	18,750	7,812	30,601
July	7,540	6,131	7,379	21,050	18,071	7,889	36,842
August	8,287	6,070	8,696	23,053	22,468	8,431	31,119
September	8,169	6,452	9,961	24,582	21,247	10,357	37,289
October	9,241	7,232	12,265	28,738	24,645	11,612	44,607
November	10,293	6,345	10,455	27,093	25,984	10,335	31,305
December	9,099	5,469	10,059	24,627	27,307	8,795	34,931
1987—							
January	6,706	4,387	6,046	17,139	29,301	5,560	14,129
February	9,435	7,504	10,680	27,619	27,447	9,701	38,760
March	8,852	4,741	8,023	21,616	21,619	10,252	38,707
April	6,487	4,335	7,900	18,722	19,191	8,065	28,882
1985-86 : July to Apr.	93,073	70,871	127,602	291,546	..	109,699	222,461
1986-87 : July to Apr.	84,109	58,666	91,464	234,239	..	90,997	336,571

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

**COLOUR TELEVISION SETS AND TELEVISION RECEIVING ANTENNAE
(number)**

Period	Colour television sets(a)				Total(b)		Television receiving antennae (outdoor and loft) (482.75)
	Over 43 cm up to and incl. 51 cm (647.26)	Over 51 cm up to and incl. 56 cm (647.27)	Over 56 cm (647.28)	Original	Seasonally adjusted(c)		
1983-84	123,688	60,755	75,856	260,299	..	220,459	
1984-85	132,784	65,934	98,320	297,038	..	233,965	
1985-86	112,791	39,266	85,868	237,925	..	262,368	
1986—							
February	8,830	3,183	8,546	20,559	20,647	22,491	
March	10,271	2,340	7,757	20,368	20,085	25,217	
April	7,643	2,690	7,052	17,385	18,131	27,453	
May	6,895	3,044	5,967	15,906	14,292	30,300	
June	6,536	2,987	5,642	15,165	14,649	26,266	
July	7,507	2,822	6,206	16,535	13,320	24,209	
August	9,585	4,149	5,400	19,134	17,665	24,364	
September	11,111	2,156	6,134	19,401	17,827	25,838	
October	10,516	4,211	7,915	22,642	19,734	19,980	
November	7,123	3,960	7,770	18,853	18,171	20,927	
December	10,022	1,344	5,291	16,657	20,691	13,788	
1987—							
January	2,277	1,037	2,968	6,282	16,649	16,058	
February	8,560	3,444	6,443	18,447	18,537	20,543	
March	7,979	2,859	7,539	18,377	16,281	20,872	
April	5,281	2,110	7,698	15,089	16,333	16,618	
1985-86: July to Apr.	99,360	33,235	74,259	206,854	..	205,802	
1986-87: July to Apr.	79,961	28,092	63,364	171,417	..	203,197	

(a) Television with cabinets; excludes televisions combined with radios, etc. (b) There has been no production of colour television sets up to and including 43 cm (647.25) for any of the periods shown. (c) See paragraph 6, Explanatory Notes.

**STORAGE BATTERIES
(number)**

Period	Storage batteries—wet cell(a)—	
	Automotive starting, lighting and ignition (New)	
	6 volt (685.13)	12 volt (685.17)
1983-84	155,417	2,719,144
1984-85	137,120	2,394,831
1985-86	147,463	2,607,717
1986—		
February	12,156	227,393
March	11,340	205,209
April	11,698	207,042
May	11,052	252,082
June	6,076	223,688
July	14,413	260,408
August	11,482	252,574
September	11,266	216,736
October	11,687	237,853
November	6,562	182,463
December	7,292	139,813
1987—		
January	3,673	93,533
February	7,375	190,856
March	8,240	196,797
April	7,166	180,839
1985-86: July to Apr.	130,335	2,131,947
1986-87: July to Apr.	89,156	1,951,872

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

**AIR CONDITIONERS
(number)**

Period	Packaged unit air conditioners	
	Capacity	
	Up to and incl. 17.5 kW (657.21)	Over 17.5 kW (657.22, 23)
1983-84	12,980	2,056
1984-85	8,419	n.p.
1985-86	8,977	4,161
1986—		
February	497	303
March	552	282
April	515	326
May	508	407
June	757	313
July	648	415
August	748	483
September	1,121	490
October	1,338	491
November	854	483
December	682	389
1987—		
January	361	324
February	665	378
March	694	356
April	504	415
1985-86: July to Apr.	7,712	3,441
1986-87: July to Apr.	7,615	4,224

ELECTRIC MOTORS(a)
(' 000)

Period	Under 720 W								Total under 720 W	
	Up to and including 16 W	Over 16 W up to and including 80 W	Over 80 W up to and including 130 W	Over 130 W up to and including 190 W	Over 190 W up to and including 260 W	Over 260 W up to and including 380 W	Over 380 W up to and including 570 W	Over 570 W and under 720 W	Original	Seas. adj.(b)
	(503.13)	(503.14,15)	(503.16)	(503.22)	(503.23)	(503.24)	(503.25)	(503.26)		
1983-84	293	510	553	270	126	317		289	2,358	..
1984-85	274	525	481	211	90	272		307	2,161	..
1985-86	186	545	423	110	82	276	191	105	1,918	..
1986—										
February	7.0	44.5	41.4	12.4	7.4	19.2	11.8	9.2	153	156
March	8.4	26.7	36.6	10.6	5.0	17.9	10.3	8.4	124	140
April	n.p.	35.7	37.1	5.5	8.6	28.3	18.0	7.9	147	149
May	n.p.	34.1	30.9	4.4	5.2	19.8	18.8	7.7	125	140
June	5.6	28.4	36.9	6.9	10.0	23.1	16.0	6.9	134	144
July	4.3	45.9	46.5	6.3	9.1	29.9	19.6	10.7	172	155
August	4.7	50.0	35.5	2.5	8.8	34.3	10.2	7.8	154	133
September	9.7	56.0	42.3	3.9	9.3	29.4	18.0	8.4	177	154
October	10.8	66.0	50.5	4.0	9.6	32.6	25.5	10.7	210	166
November	9.8	62.9	44.8	3.3	10.0	30.7	17.9	5.9	185	160
December	8.2	50.6	42.7	3.7	12.8	22.9	20.5	7.7	169	175
1987—										
January	3.0	22.4	23.4	1.7	4.9	19.8	9.7	4.1	89	192
February	7.8	44.3	46.5	4.8	12.4	29.6	21.7	10.4	177	180
March	6.5	46.1	56.3	7.3	16.5	34.6	22.5	8.8	199	196
April	7.3	46.6	44.1	5.0	8.3	22.5	16.6	5.4	156	174
1985-86 :										
July to Apr.	n.p.	483	355	98.5	66.8	233	156	89.8	1,659	..
1986-87 :										
July to Apr.	72.0	491	433	42.4	101.7	286	182	79.9	1,688	..

ELECTRIC MOTORS (a) — continued
(' 000)

Period	720W and over						Total 720W and over		Total electric motors
	720W and under 1850W (503.27)	1850W and under 3710W (503.28)	371 kW and under 72 kW (503.29)	72 kW and under 371 kW (503.30)	371 kW and under 723kW (503.31)	72 kW and over (503.32)	Original	Seas. adj.(b)	
1983-84	289	10.8	5.0	4.9		1.54	311	..	2,669
1984-85	285	18.2	8.5	8.1		1.65	322	..	2,483
1985-86	314	19.4	9.6	10.5	0.81	1.20	356	..	2,273
1986—									
February	23.3	0.91	0.27	0.66	0.06	0.07	25.2	26.6	178
March	26.7	1.78	1.48	1.16	0.05	0.10	31.3	34.9	155
April	27.7	2.04	0.74	0.87	0.09	0.11	31.6	31.7	179
May	27.3	1.03	0.81	1.07	0.06	0.10	30.4	31.7	155
June	26.8	2.11	0.60	0.47	0.12	0.08	30.2	31.6	164
July	28.7	0.94	0.95	1.17	0.03	0.10	31.9	30.0	204
August	23.6	2.23	0.56	0.89	0.03	0.09	27.4	24.7	181
September	24.1	1.28	0.56	0.97	0.11	0.07	27.1	25.7	204
October	31.8	1.47	0.71	0.90	0.04	0.07	35.0	28.3	245
November	32.4	2.40	0.83	0.56	0.09	0.05	36.3	31.4	222
December	30.4	0.99	0.42	0.58	0.02	0.07	32.5	29.1	202
1987—									
January	13.6	0.16	0.48	0.86	0.01	0.04	15.2	33.2	104
February	29.3	2.46	0.56	0.52	0.04	0.07	33.0	34.9	210
March	30.8	0.97	0.64	1.25	0.03	0.11	33.8	32.8	232
April	20.5	2.22	0.74	0.64	0.05	0.06	24.2	26.7	180
1985-86: July to Apr.	260	16.29	8.18	8.99	0.64	1.02	295	..	1,954
1986-87: July to Apr.	265	15.12	6.46	8.34	0.46	0.72	296	..	1,984

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

PHONOGRAPH RECORDS, CASSETTE TAPES
 ('000)

Period	Phonograph records and cassette tapes		
	Conventional stereophonic discs		Cassette tapes pre-recorded ('647.98)
	45 r.p.m. (647.93,94)	33 r.p.m. (647.95)	
1983-84	7,266	16,428	14,329
1984-85	8,094	17,056	21,225
1985-86	8,015	14,422	21,019
1984—			
March qtr	1,585	3,400	2,861
June qtr	2,039	3,658	3,217
September qtr	1,878	3,842	4,648
December qtr	2,185	5,479	6,236
1985—			
March qtr	2,006	3,620	5,196
June qtr	2,026	4,115	5,145
September qtr	2,168	3,664	5,655
December qtr	2,144	4,545	6,197
1986—			
March qtr	1,721	3,142	4,496
June qtr	1,983	3,071	4,672
September qtr	1,778	3,317	4,738
December qtr	2,236	4,974	7,368
1987—			
March qtr	1,450	2,829	5,005
1985-86 : July to Mar.	6,032	11,352	16,348
1986-87 : July to Mar.	5,464	11,120	17,111

ELECTRODES
 ('000 kg)

Electrodes for manual welding				
For mild and alloy steels (523.76)	For 'specials' (incl. stainless steel) (523.77)	For hardfacing applications (523.78)	Water consumption meters (excl reconditioned) (482.78)	
16,064	234	758	236,343	
14,621	211	711	215,909	
14,891	301	713	186,877	
3,912	66.8	212	54,546	
3,962	60.5	167	69,427	
4,014	78.6	245	64,082	
4,257	47.5	138	54,963	
3,176	43.4	187	45,154	
3,174	41.5	140	51,710	
4,003	59.0	278	47,873	
3,239	68.2	129	47,269	
3,697	82.4	91	43,082	
3,952	91.5	215	48,653	
3,826	104.6	169	53,425	
2,562	50.6	132	49,288	
3,480	64.1	142	45,540	
10,939	210	498	138,224	
9,868	219	443	148,253	

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 (683.55)	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)					
1983-84	121,495	66,848	1,023,468	416,138	687,992	6,803,500	9,119,441
1984-85	150,982	59,998	817,963	430,130	760,448	5,269,350	7,488,871
1985-86	158,664	84,319	1,037,620	566,230	1,191,102	3,994,250	7,032,185
1986—							
February	12,935	6,219	88,225	45,950	98,750	145,000	397,079
March	11,481	7,873	96,719	49,000	116,180	375,000	656,253
April	14,775	6,012	135,092	65,700	102,360	175,000	498,939
May	14,269	10,283	104,705	52,000	108,715	301,000	590,972
June	17,182	10,251	109,742	42,700	179,935	733,000	1,092,810
July	14,152	11,762	125,967	79,385	129,155	457,500	817,921
August	19,894	6,751	124,651	44,000	117,855	510,500	823,651
September	18,544	6,651	100,073	115,050	84,325	451,500	776,143
October	13,919	9,458	133,803	83,550	109,920	584,000	934,650
November	13,661	6,989	122,336	58,881	104,125	638,222	944,214
December	11,255	4,044	103,297	72,200	125,915	75,000	391,711
1987—							
January	6,456	4,423	46,230	42,601	54,105	164,000	317,815
February	11,265	5,202	74,374	98,950	125,415	278,000	593,206
March	12,698	6,774	103,115	80,932	139,856	320,000	663,375
April	14,919	5,577	93,356	80,825	144,280	193,000	531,957
1985-86 : July to Apr.	127,213	63,785	823,173	471,530	902,452	2,960,250	5,348,403
1986-87 : July to Apr.	136,763	67,631	1,027,202	756,374	1,134,951	3,671,722	6,794,643

(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.