



PRODUCTION BULLETIN NO. 1: ELECTRICAL APPLIANCES AUSTRALIA, JANUARY 1985

- PHONE INQUIRIES** *for more information about these statistics*—contact Sue Gumprich on Canberra (062) 52 5558 or any of our State offices.
other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.
- MAIL INQUIRIES** write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.

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

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

Manufacturing Commodities Selected Principal Articles Produced, Australia, 1982-83, Preliminary (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (8303.0) (\$1.70, \$2.40 incl. postage)

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

— 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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ELECTRICAL APPLIANCES
(number)

Period	Kettles (659.25)	Toasters— domestic (661.22)	Propeller type fans (complete) (a) (656.01-05)	Radiators, electric fires, and room heaters	
				With visible heating units (651.11)	Other types (651.14-20)
1981-82	470,263	676,943	583,268	292,639	321,169
1982-83	476,805	487,520	592,518	319,237	228,925
1983-84	459,420	399,178	565,707	n.p.	290,493
1983—					
November	55,691	54,568	71,589	n.p.	2,992
December	45,061	33,542	59,241	n.p.	2,419
1984—					
January	18,665	28,806	22,884	n.p.	n.p.
February	38,234	26,082	40,662	n.p.	n.p.
March	39,942	26,312	38,116	n.p.	n.p.
April	21,291	15,443	32,729	35,455	79,920
May	33,940	33,327	34,901	40,661	74,030
June	31,460	37,251	41,707	n.p.	26,608
July	32,926	30,055	58,911	n.p.	27,207
August	45,997	29,548	69,388	n.p.	3,612
September	57,461	22,547	53,985	n.p.	2,467
October	70,010	27,010	57,717	n.p.	724
November	58,459	37,317	64,615	n.p.	4,190
December	49,261	31,687	43,590	n.p.	2,907
1985—					
January	11,576	6,873	25,010	n.p.	n.p.
1983-84 : July to Jan.	294,553	260,763	377,592	n.p.	n.p.
1984-85 : July to Jan.	325,690	185,037	373,216	n.p.	n.p.

ELECTRICAL APPLIANCES—continued
(number)

Period	Refrigerators—domestic						Clothes washing machines—domestic	
	Single door (657.33)	Twin door		Original	Seasonally adjusted (b)	Freezers— domestic (upright and chest) (657.52)	Original (693.02,04)	Seasonally adjusted (b)
		Frost free (657.34)	Other (657.35)					
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	..
1983-84	93,213	60,482	129,768	283,463	..	153,239	294,041	..
1983—								
November	8,360	6,820	14,508	29,688	25,632	15,185	28,755	27,239
December	5,984	3,602	11,084	20,670	24,337	14,159	n.p.	n.p.
1984—								
January	4,607	4,459	6,827	15,893	28,203	9,499	n.p.	n.p.
February	8,403	6,540	11,313	26,239	25,254	14,481	n.p.	n.p.
March	7,107	4,899	10,940	22,946	22,871	13,120	n.p.	n.p.
April	8,250	4,321	9,749	22,320	26,709	8,672	n.p.	n.p.
May	7,830	4,391	10,650	22,871	23,704	8,231	n.p.	n.p.
June	7,887	4,181	11,945	24,013	23,299	8,757	n.p.	n.p.
July	6,776	4,325	10,707	21,808	19,749	8,189	25,332	24,213
August	5,614	4,442	8,795	18,851	15,318	10,815	24,786	20,860
September	6,724	3,992	9,757	20,473	19,073	5,961	22,201	20,950
October	5,094	4,768	8,455	18,317	15,438	5,208	22,358	19,669
November	5,590	5,453	7,592	18,635	15,863	7,631	24,862	24,333
December	5,660	4,126	8,092	17,878	22,188	7,579	16,876	22,467
1985—								
January	3,370	3,771	4,956	12,097	20,021	7,737	16,136	26,935
1983-84 : July to Jan.	53,736	36,167	75,171	165,074	..	99,978	n.p.	..
1984-85 : July to Jan.	38,828	30,877	58,354	178,059	..	53,120	153,551	..

(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)**

Period	Colour television sets					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)	Total		
				Original	Seasonally adjusted(a)	
1981-82	157,887	104,230	92,992	355,109	..	268,447
1982-83	117,282	53,325	64,628	235,235	..	157,800
1983-84	123,688	60,755	75,856	260,299	..	220,459
1983—						
November	13,246	5,166	6,404	24,816	22,010	22,051
December	8,896	4,402	5,000	18,298	21,242	13,534
1984—						
January	4,015	1,351	2,094	7,460	20,621	13,292
February	10,496	6,037	6,704	23,237	21,642	21,393
March	13,534	6,391	7,045	26,970	23,315	18,965
April	9,441	3,550	6,084	19,075	22,192	13,493
May	10,156	7,795	7,925	25,876	23,078	21,492
June	12,429	5,797	9,203	27,429	25,540	23,021
July	13,764	6,989	8,318	29,071	27,126	20,152
August	14,147	8,159	9,177	31,483	26,867	18,482
September	11,738	6,041	8,954	26,733	26,404	11,381
October	10,376	6,737	8,754	25,867	22,390	19,301
November	14,617	5,426	8,479	28,522	24,026	18,497
December	8,017	3,521	6,232	17,770	22,914	14,150
1985—						
January	5,001	n.p.	n.p.	7,167	18,420	14,826
1983-84 : July to Jan.	67,632	31,185	38,895	137,712	..	122,095
1984-85 : July to Jan.	77,660	n.p.	n.p.	166,613	..	116,789

**STORAGE BATTERIES
(number)**

Period	Storage batteries— wet cell(b)—	
	Automotive starting, lighting and ignition (New)	
	6 volt (685.13)	12 volt (685.17)
1981-82	191,802	2,555,098
1982-83	160,809	2,420,943
1983-84	155,259	2,719,144
1983—		
November	14,902	216,286
December	11,496	177,261
1984—		
January	4,327	118,921
February	10,871	240,841
March	11,736	301,741
April	11,958	229,431
May	17,063	261,446
June	16,833	278,378
July	9,622	272,111
August	11,106	246,481
September	10,718	198,725
October	9,677	176,179
November	13,503	179,133
December	9,848	126,810
1985—		
January	6,189	99,709
1983-84 : July to Jan.	86,798	1,407,307
1984-85 : July to Jan.	70,663	1,299,148

**AIR CONDITIONERS
(number)**

	Packaged air conditioners (complete units)		
	Capacity		
	Up to and incl. 17.5 kw (657.21)	Over 17.5 kw up to and incl. 35 kw (657.22)	Over 35 kw (657.23)
1981-82	32,630	2,337	n.p.
1982-83	14,568	1,474	n.p.
1983-84	14,170	1,339	535
1983—			
November	1,868	92	n.p.
December	2,024	80	n.p.
1984—			
January	927	31	n.p.
February	1,172	115	45
March	778	173	25
April	524	104	n.p.
May	580	120	n.p.
June	609	105	n.p.
July	436	108	n.p.
August	855	159	n.p.
September	979	151	63
October	829	178	n.p.
November	1,067	193	n.p.
December	970	138	n.p.
1985—			
January	605	124	n.p.
1983-84 : July to Jan.	10,507	722	n.p.
1984-85 : July to Jan.	5,741	1,051	n.p.

(a) See paragraph 6, Explanatory notes.

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

ELECTRIC MOTORS UNDER 720W(a)
(¹ 000)

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 (503.25,26)	Total under 720W	
									Original	Seas. adj.(b)
1981-82	393	119	395	1,125	568	234	348	313	3,495	..
1982-83	232	105	367	597	323	187	246	247	2,305	..
1983-84	293	100	410	553	270	126	317	289	2,358	..
1983—										
November	31.8	n.p.	n.p.	45.2	33.7	12.3	29.3	29.0	246	201
December	23.9	n.p.	n.p.	43.5	26.1	14.3	25.2	21.8	213	208
1984—										
January	15.2	n.p.	n.p.	16.5	16.5	4.0	15.4	11.6	100	255
February	27.7	n.p.	n.p.	52.7	24.8	8.3	25.5	24.3	202	200
March	27.3	n.p.	n.p.	54.8	22.1	10.5	28.7	29.4	208	197
April	21.0	n.p.	n.p.	38.2	11.5	7.0	23.6	23.1	152	183
May	24.3	n.p.	n.p.	33.5	12.0	5.7	22.2	27.1	152	165
June	19.7	n.p.	n.p.	49.2	12.3	10.2	28.8	27.3	181	194
July	21.7	n.p.	n.p.	32.6	19.3	8.8	31.6	28.2	194	190
August	31.9	n.p.	n.p.	52.7	24.3	8.6	25.1	25.9	231	192
September	21.0	n.p.	n.p.	41.5	15.8	10.7	20.3	26.3	175	144
October	23.7	n.p.	n.p.	44.4	15.4	8.5	21.2	26.5	199	160
November	27.8	n.p.	n.p.	45.8	27.8	8.6	27.7	31.3	228	191
December	21.8	n.p.	n.p.	31.8	18.7	4.2	16.0	17.0	151	152
1985—										
January	9.4	n.p.	n.p.	17.7	11.5	2.7	13.4	12.3	88	210
1983-84 : July to Jan.	173	n.p.	n.p.	324	187	84.1	188	158	1,463	..
1984-85 : July to Jan.	157	n.p.	n.p.	267	133	52.1	155	168	1,266	..

ELECTRIC MOTORS 720W AND OVER(a)
(¹ 000)

Period	720W and under 1850W (503.27)	1850W and under 3710W (503.28)	371 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)	
1981-82	335	12.8	6.8	7.0	2.35	364	..	3,859
1982-83	218	9.0	4.5	4.2	1.98	238	..	2,543
1983-84	289	10.8	5.0	4.9	1.54	311	..	2,669
1983—								
November	35.2	0.74	0.56	0.44	0.14	37.1	29.8	283
December	29.8	0.71	0.26	0.35	0.12	31.3	29.6	245
1984—								
January	13.5	0.54	0.33	0.27	0.04	14.7	40.9	114
February	23.4	1.36	0.46	0.52	0.11	25.9	25.1	227
March	23.8	1.08	0.65	0.67	0.14	26.3	26.3	234
April	24.3	0.80	0.32	0.54	0.10	26.0	29.9	179
May	25.5	1.00	0.67	0.58	0.19	27.9	26.3	180
June	23.9	1.18	0.20	0.34	0.12	25.7	29.2	207
July	21.7	1.00	0.92	0.63	0.12	24.4	23.7	219
August	26.7	1.54	0.40	0.22	0.14	29.0	23.7	260
September	26.7	1.22	n.p.	n.p.	0.18	29.6	31.7	205
October	24.3	1.33	n.p.	n.p.	0.13	27.4	20.0	226
November	32.0	1.93	0.67	0.73	0.17	35.5	28.2	263
December	25.2	1.62	0.56	0.36	0.14	27.9	26.9	179
1985—								
January	11.0	0.32	0.28	0.30	0.07	11.9	32.4	100
1983-84 : July to Jan.	168	5.37	2.66	2.27	0.88	180	..	1,643
1984-85 : July to Jan.	168	8.97	4.31	3.86	0.95	186	..	1,452

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

(b) See paragraph 6, Explanatory notes.

(c) Revised substantially since last issue.

GRAMOPHONE RECORDS, CASSETTE TAPES
(⁰ 000)ELECTRODES
(⁰ 000 kg)METERS
(number)

Period	Gramophone records and cassette tapes			Electrodes for manual welding			Water consumption meters (excl reconditioned) (703.11)
	Conventional stereophonic discs			For mild and alloy steels (523.76)	For 'specials' (incl. stainless steel) (523.77)	For hardfacing applications (523.78)	
	45 r.p.m.- (647.93.94)	33 r.p.m.- (647.95)	Cassette tapes pre-recorded (647.98)				
1981-82	9,395	20,081	14,622	21,210	282	836	177,524
1982-83	7,410	16,157	15,919	18,496	237	640	192,987
1983-84	7,137	16,428	14,588	16,064	234	746	236,343
1982—							
March qtr	1,799	3,592	2,534	4,385	48.4	190	39,361
June qtr	2,266	4,376	3,365	5,143	81.5	214	49,123
September qtr	2,126	4,486	5,533	5,523	71.4	156	52,263
December qtr	1,763	5,122	3,877	4,494	61.5	101	48,527
1983—							
March qtr	1,602	3,370	3,312	3,681	36.0	184	39,717
June qtr	1,919	3,179	3,197	4,797	67.7	199	52,480
September qtr	1,772	3,909	3,216	5,073	34.2	219	59,947
December qtr	1,810	5,461	5,105	3,117	72.4	149	52,423
1984—							
March qtr	1,516	3,400	3,049	3,912	66.8	212	54,546
June qtr	2,039	3,658	3,217	3,962	60.5	167	69,427
September qtr	1,878	3,842	3,677	4,014	78.6	245	64,082
December qtr	2,185	5,479	4,990	3,279	77.7	176	54,365

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)					
1981-82	136,311	105,399	1,525,722	672,800	1,249,450	3,993,500	7,683,182
1982-83	117,990	75,537	1,120,284	628,195	1,318,767	4,934,800	8,195,573
1983-84	116,345	65,023	987,568	414,388	562,992	6,803,500	8,949,816
1983—							
November	10,825	6,486	90,044	32,500	76,780	159,000	375,635
December	9,988	6,345	89,852	35,050	28,900	1,284,000	1,454,135
1984—							
January	335	1,309	36,090	11,250	13,130	144,000	206,114
February	6,741	5,865	104,248	40,428	59,730	501,000	718,012
March	16,896	8,337	84,447	40,360	86,600	1,023,000	1,259,640
April	9,440	4,030	59,538	37,700	30,800	330,000	471,508
May	8,412	5,839	68,993	61,550	36,600	211,500	392,894
June	12,496	5,450	75,061	32,050	79,530	553,000	757,587
July	10,011	5,139	72,075	38,600	63,080	211,050	399,955
August	15,466	7,528	62,865	27,150	37,680	585,600	736,289
September	12,161	2,744	63,135	18,650	82,708	747,950	927,348
October	13,216	5,742	88,035	48,950	83,810	769,000	1,008,753
November	15,984	5,179	88,836	39,500	62,940	636,000	848,439
December	11,327	3,027	41,560	27,700	52,560	75,000	211,174
1985—							
January	2,738	1,936	22,184	8,250	4,500	15,000	54,608
1983-84 : July to Jan.	62,360	35,502	595,281	202,300	269,732	4,185,000	5,350,175
1984-85 : July to Jan.	80,903	31,295	438,690	208,800	387,278	3,039,600	4,186,566

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