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NOVEMBER 1988**

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TABLE 1. ELECTRICAL APPLIANCES
(number)

Period	Kettles (699.25)	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	..
1987—							
September	51,120	83,023	7,750	n.p.		34,352	30,928
October	55,829	85,855	5,271	n.p.		38,410	34,171
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	12,641	n.p.		36,747	32,244
1987-88: July to Nov.	255,030	356,370	47,480	n.p.		186,615	..
1988-89: July to Nov.	244,482	359,028	52,645	n.p.		174,128	..

TABLE 1. ELECTRICAL APPLIANCES—continued
(number)

	Refrigerators—domestic					
	Twin door			Total		Freezers— domestic (upright and chest)
Period	Single door (657.33)	Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (c)	(657.52)
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—						
September	14,182	8,763	13,940	36,885	31,632	9,638
October	12,985	7,279	16,572	36,836	32,244	10,055
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
1987-88: July to Nov.	63,204	37,872	70,195	171,271	..	50,252
1988-89: July to Nov.	48,855	53,147	56,190	158,192	..	48,926

(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 38 cm (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	..
1987—								
September							19,526	17,187
October							19,470	16,921
November			Not available separately				18,630	18,086
December			prior to July 1988 (b)				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
1987-88: July to Nov.	..	..	..	..	..	..	98,132	..
1988-89: July to Nov.	—	n.p.	39,792	n.p.	21,211	1,873	68,980	..

(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	2,250,517
1987—		
September	10,780	188,506
October	7,364	198,999
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	227,329
August	14,275	225,812
September	7,579	259,849
October	8,696	182,594
November	n.p.	184,306
1987-88: July to Nov.	55,936	999,712
1988-89: July to Nov.	n.p.	1,079,890

(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	10,160	5,080
1987-88	12,936	5,636
1987—		
September	1,134	716
October	1,146	593
November	1,222	588
December	955	487
1988—		
January	959	353
February	1,167	344
March	1,085	362
April	1,106	332
May	1,243	487
June	1,020	450
July	1,129	553
August	1,123	532
September	1,557	499
October	2,025	335
November	1,647	502
1987-88: July to Nov.	5,401	2,821
1988-89: July to Nov.	7,481	2,421

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 up to and including 720 W (503.26)		
1985-86	186	622	389	110	82	276	191	105	1,961	..
1986-87	95	753	469	53	119	335	243	83	2,150	..
1987-88	84	902	564	60	136	320	295	27	2,388	..
1987—										
September	6.2	94.5	43.3	4.6	16.1	26.8	25.3	2.2	219	183
October	7.6	98.3	48.7	3.8	13.8	31.4	31.5	2.9	238	195
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	r58.8	n.p.	12.3	27.6	23.3	n.p.	r223	r212
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
1987-88: July to Nov.	42.7	406	235	18.7	59.3	150	144	11.8	1,067	..
1988-89: July to Nov.	44.1	452	260	n.p.	68.1	151	140	n.p.	1,182	..

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)	3.71 KW and under 7.2 kW (503.29)	7.2 KW and under 37.1kW (503.30)	37.1 kW and under 72 kW (503.31)	72 kW and over (503.32)				
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	..	2,519	
1987-88	410	27.3	8.2	9.6	0.65	1.02	456	..	2,844	
1987—										
September	41.2	2.37	0.76	0.87	0.09	0.06	45.3	40.9	264	
October	41.1	1.47	0.85	0.97	0.02	0.09	44.5	38.4	283	
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	r258	
August	35.1	2.81	2.62	0.57	0.08	0.12	41.5	37.8	286	
September	r33.5	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	
1987-88: July to Nov.	193	9.45	4.27	4.48	0.25	0.40	211	..	1,278	
1988-89: July to Nov.	179	16.05	n.p.	n.p.	0.24	0.55	207	..	1,389	

(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
1985—			
September qtr	2,168	3,664	5,616
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

TABLE 7. ELECTRODES ('000 kg)

Period	Electrodes for manual welding			Water consumption materials 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—				
September qtr	4,003	59.0	278	47,873
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	3,330	61.3	195	76,709

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 (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)					
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	4,380,722	8,385,946
1987-88	126,250	72,602	1,090,687	890,098	1,466,468	4,913,002	8,559,107
1987—							
September	12,265	2,925	82,642	111,280	114,655	446,000	769,767
October	10,165	5,447	89,674	79,709	185,805	390,000	760,800
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	3,512	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	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	143,106	459,501	781,124
August	16,608	11,312	111,963	57,002	122,645	665,000	831,016
September	18,221	9,191	115,469	61,502	138,800	496,500	832,185
October	15,659	5,528	117,142	57,634	101,070	161,000	466,453
November	19,169	5,670	232,674	65,252	77,940	544,000	817,903
1987-88: July to Nov.	53,638	23,627	436,535	444,064	768,110	3,022,500	4,748,474
1988-89: July to Nov.	89,176	34,466	688,083	301,642	537,050	1,411,500	3,061,917

(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 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, 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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