



# **Manufacturing Production Australia**

## **Household Appliances and Electrical Equipment**

**March 1994 - May 1994**

**Catalogue No. 8357.0**

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**MANUFACTURING PRODUCTION, AUSTRALIA**

**HOUSEHOLD APPLIANCES  
AND ELECTRICAL EQUIPMENT  
MARCH 1994 - MAY 1994**

**IAN CASTLES**  
**Australian Statistician**

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### INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.
  - for information about other ABS statistics and services please refer to the back page of this publication.
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TABLE 1. CLOTHES WASHING AND DRYING MACHINES  
(number)

Period	Household or laundry type clothes washing machines			Clothes drying machines (c) (775.12)
	Original (775.11)	Seasonally adjusted (a)	Trend (b)	
1990-91	325,558	..	..	157,942
1991-92	295,778	..	..	150,134
1992-93	307,671	..	..	149,342
1993 —				
March	30,955	27,636	27,062	20,087
April	25,704	27,256	26,669	18,352
May	25,086	25,727	26,326	21,597
June	27,354	26,956	26,356	14,860
July	27,791	23,561	26,852	17,406
August	32,336	26,826	27,619	11,607
September	34,473	32,336	r 28,303	10,601
October	29,636	29,147	r 28,628	8,803
November	29,896	26,962	r 28,426	9,131
December	25,332	28,335	r 27,750	8,924
1994 —				
January	11,761	25,889	r 26,875	4,480
February	26,445	26,672	r 26,162	16,263
March	29,374	25,075	25,689	23,501
April	24,002	25,961	25,338	19,687
May	25,160	24,722	25,077	24,032
1992-93: July to May.	280,317	..	..	134,482
1993-94: July to May.	296,206	..	..	154,435

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 9, Explanatory Notes. (c) Each of a dry linen capacity not exceeding 10 kg.

TABLE 2. REFRIGERATORS AND FREEZERS  
(number)

Refrigerators-domestic							
Period	Twin door			Total			Freezers-domestic (upright and chest) (775.22)
	Single door (775.23)	Frost free (775.24)	Other (775.25)	Original	Seasonally adjusted(a)	Trend(b)	
1990-91	105,703	84,956	172,440	363,099	..	..	94,087
1991-92	91,842	98,254	182,356	372,452	..	..	95,229
1992-93	93,130	n.p.	n.p.	393,047	..	..	101,476
1993 —							
March	8,476	14,038	17,836	40,350	39,632	36,773	9,083
April	7,045	10,629	13,869	31,543	34,858	34,133	7,194
May	6,687	11,149	14,040	31,876	30,530	31,768	9,446
June	5,677	n.p.	n.p.	26,502	28,040	30,427	7,401
July	6,493	n.p.	n.p.	29,856	28,588	30,438	7,113
August	6,687	n.p.	n.p.	32,486	30,812	31,855	7,042
September	7,937	n.p.	n.p.	41,786	38,153	r 34,063	7,228
October	7,888	n.p.	n.p.	38,778	38,028	r 36,848	7,759
November	8,468	n.p.	n.p.	41,601	35,780	r 39,608	10,042
December	8,468	n.p.	n.p.	37,205	39,809	r 41,708	9,992
1994 —							
January	9,801	n.p.	n.p.	35,781	49,257	42,869	9,107
February	10,220	n.p.	n.p.	41,553	40,366	43,205	9,185
March	12,133	18,564	18,691	49,388	47,361	42,881	8,370
April	8,614	12,354	13,426	34,394	40,710	42,062	6,885
May	11,478	n.p.	n.p.	38,878	36,184	40,993	8,501
1992-93: July to May.	87,453	118,351	160,741	366,545	..	..	94,075
1993-94: July to May.	98,187	n.p.	n.p.	421,706	..	..	91,224

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 9, Explanatory Notes.

TABLE 3. COOKING STOVES, OVENS AND RANGES  
(number)

Period	Domestic types						Total
	Electric			Gas			
	Ranges(a) fixed and other (775.95)	Wall ovens (775.96)	Cooking tops (775.97)	Standard town (697.36)	LP and TLP (697.37)	Natural (697.38)	
1990-91	102,733	90,335	58,888	24,220	23,569	60,080	107,869
1991-92	110,637	103,180	64,905	n.p.	38,890	n.p.	167,852
1992-93	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
1993 —							
March	n.p.	n.p.	n.p.	n.p.	15,306		n.p.
April	n.p.	n.p.	n.p.	n.p.	14,823		n.p.
May	n.p.	n.p.	n.p.	n.p.	16,693		n.p.
June	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
July	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
August	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
September	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
October	n.p.	12,921	7,006	n.p.	n.p.		n.p.
November	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
December	n.p.	11,310	n.p.	n.p.	16,028		n.p.
1994 —							
January	n.p.	4,740	1,839	n.p.	6,060		n.p.
February	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
March	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
April	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
May	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.
1992-93: July to May.	n.p.	n.p.	n.p.	n.p.	149,997		n.p.
1993-94: July to May.	n.p.	n.p.	n.p.	n.p.	n.p.		n.p.

(a) Having at least one hotplate and one oven separately heated. Total rating not exceeding 15kW.

TABLE 4. COLOUR TELEVISION SETS  
(number)

Period	less than 53cm (761.11 12.13)	53cm but less than 62cm (761.14)	62cm and over (761.15,16)	Total		
				Original	Seasonally adjusted(a)	Trend(b)
1990-91	102,326	650	64,198	167,174	..	..
1991-92	94,232	1,358	81,221	176,811	..	..
1992-93	n.p.	n.p.	62,500	154,447	..	..
1993 —						
March	7,102	n.p.	n.p.	14,790	13,183	11,891
April	n.p.	n.p.	3,519	10,967	11,876	12,153
May	n.p.	n.p.	5,678	14,315	13,481	12,421
June	n.p.	n.p.	6,011	12,156	12,043	12,676
July	n.p.	n.p.	6,264	12,299	11,020	12,750
August	n.p.	n.p.	6,446	15,730	13,376	12,886
September	n.p.	n.p.	5,715	17,355	16,077	r 13,281
October	n.p.	n.p.	6,532	13,768	11,993	r 13,809
November	n.p.	n.p.	6,964	14,698	13,055	r 14,295
December	n.p.	n.p.	5,782	12,141	13,018	r 14,608
1994 —						
January	n.p.	n.p.	2,483	5,371	20,146	r 14,683
February	n.p.	n.p.	5,421	13,120	12,914	r 14,638
March	n.p.	n.p.	8,949	15,594	13,358	14,486
April	n.p.	n.p.	5,537	12,071	13,786	14,302
May	n.p.	n.p.	7,773	15,904	14,377	14,014
1992-93: July to May.	n.p.	n.p.	n.p.	142,291	..	..
1993-94: July to May.	n.p.	n.p.	67,866	148,051	..	..

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 9, Explanatory Notes.



TABLE 5. ELECTRIC KETTLES, FANS AND AIR CONDITIONERS  
(number)

Period	Electric kettles (775.99)	Electric fans (743.42,44)	Air conditioning machines(a) other than self-contained window or wall type	
			Domestic (741.52)	Other (741.54)
1990-91	575,810	555,190	83,125	10,813
1991-92	n.p.	598,072	59,696	8,658
1992-93	488,982	749,172	69,199	9,573
1993 —				
March	42,789	61,029	7,786	840
April	40,146	67,977	6,155	1,029
May	n.p.	54,434	6,116	839
June	52,311	61,434	7,690	718
July	38,064	74,256	2,764	820
August	57,895	89,587	6,548	812
September	46,950	73,788	8,894	702
October	35,199	47,149	11,948	739
November	39,356	58,705	13,969	913
December	28,939	r 62,984	9,504	929
1994 —				
January	32,230	r 48,836	11,230	780
February	22,307	r 65,665	12,127	792
March	9,906	53,719	15,914	905
April	23,881	53,628	13,053	887
May	42,287	78,253	7,184	1,067
1992-93: July to May.	n.p.	687,738	61,509	8,855
1993-94: July to May.	377,014	706,570	113,135	9,346

(a) Comprises a motor driven fan and elements for changing the temperature and humidity. Excludes automotive types.

TABLE 6. WATER HEATERS(a)  
(number)

Period	Electric				
	Storage and immersion				
	Instantaneous (775.75)	Full mains pressure (775.93)	Other (775.94)	Gas (741.76,81)	Solar(b) (741.77)
1990-91	11,960	263,830	25,316	r 187,360	26,284
1991-92	9,650	291,958	27,685	r 198,305	25,090
1992-93	10,182	308,690	27,422	r 215,313	29,554
1993 —				r	
March	569	33,337	2,739	19,130	2,765
April	866	21,348	2,094	15,835	2,481
May	962	25,193	2,457	19,929	2,855
June	n.p.	30,699	3,323	21,709	2,719
July	1,252	29,891	2,308	21,854	3,141
August	751	35,825	2,912	20,800	2,287
September	1,097	34,346	2,037	19,889	2,391
October	748	33,726	1,913	19,639	2,679
November	975	32,495	1,819	20,484	3,313
December	793	27,006	2,283	10,506	2,279
1994 —					
January	668	18,561	1,683	r 10,063	1,246
February	990	28,405	2,285	r 17,608	2,333
March	446	32,861	2,585	22,764	2,552
April	594	23,525	2,290	13,672	2,121
May	966	29,626	2,679	20,920	2,651
1992-93: July to May.	n.p.	277,991	24,099	193,604	26,835
1993-94: July to May.	9,280	326,267	24,794	198,199	26,993

(a) Both domestic and non-domestic. (b) Includes systems which also have a conventional backup energy source.

TABLE 7. SPACE HEATERS AND SOLAR COLLECTORS

Period	Electric space heating and soil heating apparatus (775.82)  number	Non-electric domestic space heaters		Solar collectors(b) (775.52)  sq.m
		Solid fuel space heaters(a) (697.61)  number	Gas fires and gas space heaters (697.62)  number	
1990-91	497,590	26,835	64,525	91,364
1991-92	321,144	18,960	51,633	93,847
1992-93	219,805	26,204	72,496	111,392
1993 —				
March	36,803	5,064	10,535	8,454
April	44,338	3,978	12,686	11,348
May	39,470	4,576	13,371	9,492
June	34,611	5,497	12,995	10,555
July	19,012	1,089	8,755	10,280
August	4,107	449	5,327	8,972
September	1,702	215	2,854	9,059
October	1,356	198	n.p.	9,242
November	3,046	197	3,263	10,312
December	12,793	1,624	4,011	7,627
1994 —				
January	17,750	485	2,699	5,471
February	37,528	2,055	5,892	8,205
March	36,276	4,068	8,748	9,449
April	29,234	5,573	8,904	9,467
May	21,562	6,357	9,424	8,372
1992-93: July to May.	185,194	20,707	59,501	100,837
1993-94: July to May.	184,366	22,310	n.p.	96,456

(a) Includes combustion heaters, pot belly stoves and fireplace inserts. (b) For household or industrial water heating purposes (e.g. hot water systems, swimming pool heating). Production figures relate to effective area of aperture.

TABLE 8. LAWN MOWERS  
(number)

<i>Lawn mowers with engine (undercut rotary petrol type) 2 stroke or 4 stroke type (721.33)</i>			
<i>Period</i>	<i>Original</i>	<i>Seasonally adjusted(a)</i>	<i>Trend(b)</i>
1990-91	224,033	..	..
1991-92	215,673	..	..
1992-93	274,263	..	..
1993 —			
March	20,958	22,038	23,415
April	10,708	19,327	20,439
May	9,276	19,063	18,307
June	7,186	14,440	17,844
July	12,973	17,089	19,153
August	24,185	22,859	21,765
September	39,552	25,616	r 24,566
October	42,700	27,791	26,541
November	42,345	27,569	26,837
December	31,783	27,440	25,322
1994 —			
January	18,168	23,891	22,752
February	19,282	17,764	20,216
March	15,988	15,634	18,196
April	8,024	14,736	16,747
May	9,988	20,303	15,855
1992-93: July to May.	267,077	..	..
1993-94: July to May.	264,988	..	..

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 9, Explanatory Notes.

TABLE 9. ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP  
(tonnes)

Period	Uninsulated	Insulated			
	Stranded wire, cables cordage ropes, plaited bands, slings and the like, of aluminium (693.13)	Power transmission and distribution(a)			Other (e.g. for communications, electronics and appliances) (c) (773.33)
		Copper(b)		Other (773.32)	
		Paper insulated (773.19)	Otherwise insulated (773.31)		
1990-91	n.p.	2,456	36,445	4,032	9,278
1991-92	n.p.	1,942	30,200	5,427	8,494
1992-93	n.p.	1,602	34,398	11,421	8,208
1993 —					
March	n.p.	109	3,540	1,395	702
April	n.p.	109	3,148	1,208	697
May	n.p.	138	3,193	987	802
June	n.p.	119	2,761	861	781
July	n.p.	114	3,623	951	537
August	n.p.	153	3,105	850	820
September	n.p.	166	3,618	976	653
October	n.p.	129	3,669	889	745
November	n.p.	79	3,363	860	761
December	n.p.	79	r 2,874	639	535
1994 —					
January	n.p.	109	r 2,041	495	440
February	n.p.	r 161	r 3,119	r 655	r 659
March	n.p.	117	3,942	624	652
April	n.p.	96	3,268	545	633
May	n.p.	125	3,869	721	772
1992-93: July to May.	n.p.	1,483	31,637	10,560	7,427
1993-94: July to May.	n.p.	1,328	36,491	8,205	7,207

(a) Includes household and building wiring. Excludes co-axial cable and other co-axial conductors from July 1989. (b) Weight of copper content only. (c) Excludes automotive low voltage. Excludes winding wire, co-axial cable and other co-axial conductors from July 1989.

TABLE 10. ELECTRICAL POWER TRANSFORMERS FOR TRANSMISSION AND DISTRIBUTION  
OF POWER(a)  
(Total kVA capacity)

Period	<u>Up to and including 63 kVA</u>		Over 63kVA up to and including 500kVA (771.17)	Over 500kVA up to and including 1,000 kVA (771.19)	Over 1,000 kVA up to and including 10,000 kVA (771.32)	Over 10,000 kVA (771.34)	Total
	Single phase (771.13)	Multi phase (771.15)					
1990-91	178,502	150,369	1,359,639	823,795	1,244,113	2,713,062	6,469,480
1991-92	116,030	112,363	1,035,556	609,064	1,159,160	3,420,000	6,452,173
1992-93	140,642	137,139	728,186	374,100	913,430	4,183,957	6,477,454
1993 —							
March	11,479	11,498	90,809	35,250	109,500	133,000	391,536
April	9,987	12,987	52,967	46,910	96,000	470,000	688,851
May	11,414	8,374	67,253	26,500	97,050	60,000	270,591
June	11,559	12,255	66,555	34,360	60,150	390,000	574,879
July	10,917	11,786	57,161	37,600	110,200	360,000	587,664
August	11,549	10,365	78,825	48,000	119,050	137,500	405,289
September	13,641	12,254	106,720	45,230	110,430	625,000	913,275
October	18,951	12,591	67,569	53,450	115,710	615,000	883,271
November	19,639	17,462	98,140	66,710	r 79,010	214,000	r 494,961
December	15,450	12,726	84,680	59,350	95,770	405,000	r 672,976
1994 —							
January	12,254	9,283	47,388	40,401	113,660	302,000	r 524,986
February	15,249	14,508	119,810	57,910	178,110	271,000	r 656,587
March	18,139	14,679	127,730	72,315	181,995	246,000	660,858
April	15,033	12,293	68,920	52,700	118,850	155,000	422,796
May	17,599	12,245	86,800	54,650	114,135	376,000	661,429
1992-93: July to May.	129,083	124,884	661,631	339,740	853,280	3,793,957	5,902,575
1993-94: July to May.	168,421	140,192	943,743	588,316	1,336,920	3,706,500	6,884,092

(a) Includes those made for incorporation by manufacturers in own products. Dual rating transformers are classified according to the maximum capacity at which they can operate at the time of manufacture.

TABLE 11. ELECTRIC MOTORS (a)  
(number)

Period	Single phase AC motors					Over 746W (716.68, 69.70)
	DC motors and generators (b) (716.87, 88,89,91)	Up to and including 37.5W (716.61)	Over 37.5W up to and including 190W (716.62,63)	Over 190W up to and including 380W (716.64,65)	Over 380W up to and including 746W (716.66,67)	
1990-91	1,464	n.p.	892,011	220,311	293,164	n.p.
1991-92	1,092	793,055	791,497	181,371	240,205	n.p.
1992-93	772	1,089,605	863,431	195,576	539,079	
1993 —						
March	109	n.p.	91,698	19,103	46,928	
April	72	114,757	74,342	17,094	42,656	
May	23	n.p.	76,154	19,839	49,263	
June	62	n.p.	78,190	17,077	42,931	
July	147	85,357	66,631	13,847	44,024	
August	68	45,823	77,500	16,914	51,777	
September	91	93,807	89,773	18,140	51,744	
October	69	76,125	89,189	19,341	57,483	
November	62	83,229	84,473	19,616	55,731	
December	37	88,757	74,744	14,704	50,121	
1994 —						
January	33	86,466	42,902	4,554	22,379	
February	36	109,624	75,802	12,837	46,178	
March	19	110,442	89,607	15,931	51,055	
April	61	113,018	76,378	14,574	40,789	
May	25	125,635	77,924	8,634	41,721	
1992-93: July to May.	710	n.p.	785,241	178,499	496,148	
1993-94: July to May.	648	1,018,283	844,923	159,092	513,002	

(a) Includes those made and incorporated in manufacturers own products. (b) Excludes those for aircraft, motor vehicles, off-highway trucks, materials handling trucks and tractors. (c) Also includes flameproof AC electric motors and universal AC/DC motors (Australian Standard Commodity Classification Items 716.82, 83, 84, 85 and 86). (d) See paragraph 5, Explanatory Notes. (e) See paragraph 6 to 9, Explanatory Notes.

TABLE 11. ELECTRIC MOTORS (a)—continued  
(number)

Period	Total electric motors(c)			
	Total Multiphase AC Motors	Original	Seasonally adjusted (d)	Trend (e)
1990-91	34,365	2,479,735	..	..
1991-92	12,248	2,420,850	..	..
1992-93	10,782	2,795,843	..	..
1993 —				
March	n.p.	288,485	255,588	255,026
April	983	261,053	281,193	254,648
May	n.p.	261,864	262,043	247,053
June	n.p.	209,230	215,808	234,150
July	1,045	217,455	211,788	221,543
August	1,247	200,499	200,301	214,761
September	881	262,262	222,723	r 217,111
October	1,434	251,990	228,370	r 225,404
November	1,536	254,203	230,847	r 236,516
December	1,444	237,772	261,314	r 246,090
1994 —				
January	655	160,985	250,171	r 252,418
February	1,608	255,517	262,208	r 256,316
March	2,540	278,814	238,803	258,956
April	1,394	255,055	284,981	260,773
May	675	265,421	248,450	261,536
1992-93: July to May.	n.p.	2,586,613	..	..
1993-94: July to May.	14,459	2,639,973	..	..

(a) Includes those made and incorporated in manufacturers own products. (b) Excludes those for aircraft, motor vehicles, off-highway trucks, materials handling trucks and tractors. (c) Also includes flameproof AC electric motors and universal AC/DC motors (Australian Standard Commodity Classification Items 716.82, 83, 84, 85 and 86). (d) See paragraph 5, Explanatory Notes. (e) See paragraph 6 to 9, Explanatory Notes.

TABLE 12. OTHER ELECTRICAL APPLIANCES AND EQUIPMENT

Period	Audio cassette tapes pre-recorded		Liquid supply or production meters, including calibration meters therefore (excluding reconditioned) (873.13)
	Singles (898.64)	Other (898.66)	
	'000	'000	number
1990-91		37,017	329,224
1991-92		36,272	419,544
1992-93	5,035	29,575	346,454
1991—			
June qtr		8,458	91,141
September qtr		10,189	100,801
December qtr		10,523	95,357
1992—			
March qtr		7,314	102,875
June qtr		8,246	120,511
September qtr	1,387	7,435	105,946
December qtr	1,301	9,730	65,425
1993—			
March qtr	1,144	6,299	73,777
June qtr	1,203	6,111	101,306
September qtr	1,510	6,756	88,803
December qtr	1,214	8,363	82,695
1994—			
March qtr	1,023	6,466	68,557
1992-93: July to Mar.	3,832	23,464	245,148
1993-94: July to Mar.	3,747	21,586	240,055

## EXPLANATORY NOTES

**Introduction**

This publication is one of a series of ten containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 10.

**Classification**

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in the Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics.

**Scope and coverage**

3. 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.

4. 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 and trend estimates**

5. 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, where appropriate, 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.

6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

8. Because of the highly irregular nature of some production series it is not possible to discern with

reasonable confidence the current direction of the trend at the end of these series. For such highly irregular series the ABS does not provide the last two trend estimates.

9. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

**Related publications**

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

*Manufacturing Production, Australia, Preliminary* (8301.0) — issued monthly

*Manufacturing Production, Australia, Clothing and Footwear* (8358.0) — issued quarterly

*Manufacturing Production, Australia, Food, Drink, Tobacco, Stock and Poultry Food* (8359.0) — issued quarterly

*Manufacturing Production, Australia, Fibres, Yarns, Fabrics, Bedding and Floor Coverings* (8360.0) — issued quarterly

*Manufacturing Production, Australia, Building Materials and Fittings* (8361.0) — issued quarterly

*Manufacturing Production, Australia, Plastics, Rubber, Paints, Detergents and Industrial Chemicals* (8362.0) — issued quarterly

*Manufacturing Production, Australia, Transport Equipment* (8363.0) — issued quarterly

*Manufacturing Production, Australia, Metal Products* (8367.0) — issued quarterly

*Manufacturing Production, Australia, Energy Products* (8368.0) — issued quarterly

*Manufacturing Production, Australia, Wood and Wood Products* (8369.0) — issued quarterly

*Manufacturing Production, Australia: Principal Commodities Produced, 1989-90* (8365.0)

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

11. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, 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)
- n.a. not available.
- . . not applicable
- r revised since previous issue
- nil or rounded to zero
- break in continuity of series (where a line is shown between consecutive figures in the same column)





## *For more information ...*

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the *ABS Catalogue of Publications and Products* available at all ABS Offices (see below for contact details).

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0055 86 400

(Steadycom P/L: premium rate 25c/21.4 secs.)

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### **Electronic Data Services**

DISCOVERY (Key \*656#): The ABS intends discontinuing its statistical information service on DISCOVERY. Please contact Peter Davidson (Phone 06 252 6684) to discuss possible alternatives for acquiring statistics or if you wish to comment on this proposal. For details on electronic data services available, contact Information Services in any of the ABS Offices (see Information Inquiries below for contact details).

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