



SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA JUNE QUARTER 1984

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EXPLANATORY NOTES

Introduction

This publication contains statistics relating to the sales in Australia of imported and Australian-made new construction machinery, industrial tractors, and selected attachments.

2. These statistics have been derived from returns collected from principals marketing new construction machinery, industrial tractors and selected attachments. The principals are those businesses in Australia which, in respect of the items of new construction machinery and attachments specified in the return, (a) market under their own name(s) or trade name(s), or (b) import into Australia and market under the name(s) or trade name(s) of overseas businesses.

3. For the purpose of these statistics a sale occurs when the machinery or attachment is delivered or it is in transit to the end user.

4. Details relating to attachments cover attachments sold separately and attachments mounted on tractors.

Related publications

5. Statistics on agricultural machinery and tractors are available from this Bureau in the following publications.

New Agricultural Machinery, Australia (8505.0) — issued quarterly

Sales and Stocks of New Tractors, Australia (8507.0) — issued quarterly

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (8303.0)

6. 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

- nil or rounded to zero
- n.p. not available for separate publication (but included in totals where applicable)

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Australian Statistician

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA

Type of implement or attachment	Year ended	Quarter ended				
	June 1984	June 1983	Sept. 1983	Dec. 1983	March 1984	June 1984
—number of units sold—						
1. TRACTORS (Includes only the Bare Machine : Excludes Tractor Bases for Loaders).						
Crawler tractors having a shipping mass of—						
Up to but not exceeding 10,000 kg	92	19	14	n.p.	16	n.p.
Exceeding 10,000 kg but not exceeding 15,000 kg	93	n.p.	12	n.p.	17	n.p.
Exceeding 15,000 kg but not exceeding 20,000 kg	83	21	19	17	20	27
Exceeding 20,000 kg but not exceeding 30,000 kg	57	n.p.	16	10	n.p.	n.p.
Exceeding 30,000 kg	67	35	13	12	n.p.	n.p.
Total Crawler Tractors	392	118	74	93	72	153
Wheeled tractors, rubber tyred, four wheel drive—						
Maximum P.T.O. kw						
Up to but not exceeding 60 P.T.O. kw	n.p.	n.p.	—	—	—	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	n.p.	—	n.p.	—	—	—
Exceeding 90 P.T.O. kw	n.p.	—	n.p.	n.p.	n.p.	n.p.
Total Four Wheel Drive Tractors	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2. SELECTED ATTACHMENTS						
Sold singly or as original equipment with Prime Mover.						
Dozers-for use with						
Wheeled tractors—						
two-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
four-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Crawler tractor	197	100	59	33	35	70
Total Dozer Attachments	381	179	111	67	82	121
Rippers	284	108	54	67	59	104
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).						
Up to and including 0.4 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 0.4 cu metres up to and including 0.5 cu metres	934	250	207	191	239	297
Over 0.5 cu metres up to and including 0.75 cu metres	438	n.p.	84	n.p.	134	n.p.
Over 0.75 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Loader Attachments	1,522	354	329	345	401	447
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.						
Classified by digging depths to IEMC standard 5 centre mounted.						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4.5 metres max. digging depth	95	n.p.	n.p.	n.p.	n.p.	n.p.
Over 4.5 metres maximum digging depth	n.p.	8	n.p.	n.p.	n.p.	n.p.
Total tractor mounted or trailing	152	n.p.	n.p.	n.p.	26	58
Side-shift—						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4 metres max. digging depth	431	171	84	91	108	148
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total side-shift	622	239	101	n.p.	159	n.p.
Total Hydraulic Backhoes	754	272	124	161	185	284
3. LOADERS						
Complete machines comprising tractor, loader arms and bucket.						
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a).						
Crawler loaders						
Up to and including 1.0 cu metres	293	n.p.	54	72	91	76
Over 1.0 cu metres up to and including 1.2 cu metres	35	10	6	n.p.	8	n.p.
Over 1.2 cu metres up to and including 1.5 cu metres	23	13	5	n.p.	n.p.	10
Over 1.5 cu metres up to and including 1.9 cu metres	18	9	5	6	n.p.	n.p.
Over 1.9 cu metres	7	n.p.	—	—	n.p.	n.p.
Total Crawler Loaders	376	68	70	92	110	104
Wheel loaders, four wheel drive						
Up to and including 0.5 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 0.5 cu metres up to and including 1.0 cu metres	18	n.p.	10	13	13	19
Over 1.0 cu metres up to and including 1.5 cu metres	148	27	36	30	26	56
Over 1.5 cu metres up to and including 1.8 cu metres	79	36	18	19	17	25
Over 1.8 cu metres up to and including 2.5 cu metres	100	37	19	27	23	31
Over 2.5 cu metres up to and including 3.0 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.0 cu metres	74	23	18	13	18	25
Total Wheel Loaders	362	175	134	115	122	191

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA—
continued

Type of implement or attachment	Year ended	Quarter ended				
	June 1984	June 1983	Sept. 1983	Dec. 1983	March 1984	June 1984
	—number of units sold—					
4. MOTOR GRADERS						
Rated net flywheel power (with accessories) at governed R.P.M.						
Up to and including 75 kw	22	9	n.p.	n.p.	n.p.	—
Over 75 kw up to and including 100 kw	49	n.p.	n.p.	n.p.	n.p.	n.p.
Over 100 kw	185	n.p.	52	48	n.p.	n.p.
Total Motor Graders	256	61	52	62	49	93
5. SCRAPERS WITH OR WITHOUT ELEVATORS						
Heaped capacity—						
Up to but not exceeding 20 cu m	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 20 cu m	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Scrapers	68	12	14	15	13	26
6. OFF HIGHWAY TRUCKS						
Payload capacity—						
Up to and including 45 tonnes	20	n.p.	n.p.	n.p.	n.p.	n.p.
Over 45 tonnes up to and including 80 tonnes	13	n.p.	n.p.	n.p.	n.p.	6
Over 80 tonnes	45	24	n.p.	11	15	n.p.
Total Off Highway Trucks	78	n.p.	17	21	19	21
7. EXCAVATING MACHINERY						
(operating weight equipped with standard backhoe configuration)						
Wheel mounted (b)	n.p.	n.p.	n.p.	n.p.	n.p.	—
Crawler mounted (c) (including dredging machinery)—						
Up to and including 18 tonnes	46	5	6	6	15	19
Over 18 tonnes up to and including 25 tonnes	134	20	24	26	40	44
Over 25 tonnes	97	n.p.	n.p.	n.p.	31	41
8. TAMPING AND COMPACTING MACHINERY						
Pedestrian guided (all types)	1,743	357	432	397	415	499
Drawn—						
Vibrating rollers	12	n.p.	n.p.	n.p.	—	n.p.
Non-vibrating rollers	7	n.p.	n.p.	n.p.	n.p.	n.p.
Total Drawn Rollers	19	n.p.	7	n.p.	n.p.	6
Self-propelled—						
Vibrating rollers—						
Rubber wheel	175	35	38	51	31	55
Steel wheel	86	30	n.p.	20	16	n.p.
Non-vibrating rollers—						
Rubber tyre	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Steel wheel	n.p.	n.p.	—	—	—	n.p.
Tamping foot	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Self-Propelled Rollers	341	81	81	82	70	108
9. MOBILE CRANES (d) excluding self-propelled excavators and powered store trucks (lifting capacity maximum)—						
Self-propelled rough terrain and wagon types	13	n.p.	n.p.	n.p.	n.p.	n.p.
Truck and carrier mounted type—						
Up to and including 10 tonnes	40	n.p.	18	n.p.	n.p.	n.p.
Over 10 tonnes up to and including 20 tonnes	10	n.p.	n.p.	n.p.	—	n.p.
Over 20 tonnes	17	n.p.	5	n.p.	n.p.	n.p.
Wheeled tractor type—						
Up to and including 5 tonnes	n.p.	n.p.	—	n.p.	n.p.	—
Over 5 tonnes	n.p.	14	n.p.	n.p.	n.p.	n.p.
Crawler tractor type	n.p.	—	—	—	—	n.p.
Total Mobile Cranes	138	44	43	28	36	31
10. TRENCH AND DITCH DIGGING MACHINERY						
(excluding backhoes), all types	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
11. LOG SKIDDERS	35	n.p.	5	9	14	7

(a) The standard bucket is an actual bucket offered for sale with capacity no greater than that calculated to provide an operating load in accordance with SAE J818(a) using material of 1800 kg/cu metre density. The machine should be in a standard configuration and exclude any optional counter weighting. (b) Includes pedestal mounted excavators which would normally be sold attached to rubber-tyred, truck or carrier mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (c) Includes pedestal mounted excavators which would normally be sold attached to crawler mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (d) Winch and crane boom attachments sold as such are classified according to the anticipated major use e.g. if to be mounted on a wheeled tractor are shown under wheeled tractor type.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, STATES

Type of implement or attachment	Year ended June 1984							
	N.S.W. A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
— number of units sold —								
1. TRACTORS (Includes only the Bare Machine. Excludes Tractor Bases for Loaders).								
Crawler tractors having a shipping mass of—								
Up to but not exceeding 10,000 kg	40	12	22	n.p.	13	n.p.	n.p.	92
Exceeding 10,000 kg but not exceeding 15,000 kg	23	14	n.p.	n.p.	10	6	n.p.	93
Exceeding 15,000 kg but not exceeding 20,000 kg	24	n.p.	26	4	n.p.	13	—	83
Exceeding 20,000 kg but not exceeding 30,000 kg	n.p.	8	14	n.p.	n.p.	7	—	57
Exceeding 30,000 kg	n.p.	n.p.	n.p.	n.p.	7	n.p.	—	67
Total Crawler Tractors	125	50	121	17	40	35	4	392
Wheeled tractors, rubber tyred, four wheel drive—								
Maximum P.T.O. kw.								
Up to but not exceeding 60 P.T.O. kw	—	—	n.p.	—	n.p.	—	—	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	—	—	—	—	—	n.p.	—	n.p.
Exceeding 90 P.T.O. kw	—	—	n.p.	—	n.p.	—	—	n.p.
Total Wheeled Tractors	—	—	n.p.	—	n.p.	n.p.	—	n.p.
2. SELECTED ATTACHMENTS								
Sold singly or as original equipment with Prime Mover.								
Dozers—for use with—								
Wheeled tractors—								
two-wheel drive	n.p.	n.p.	n.p.	—	n.p.	—	n.p.	n.p.
four-wheel drive	n.p.	n.p.	n.p.	—	n.p.	—	n.p.	n.p.
Crawler tractor	46	34	65	n.p.	n.p.	12	n.p.	197
Total Dozer Attachments	167	60	100	n.p.	32	12	n.p.	381
Rippers	98	33	105	11	28	n.p.	n.p.	284
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).								
Up to and including 0.4 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 0.4 cu metres up to and including 0.5 cu metres	318	234	155	n.p.	n.p.	19	3	934
Over 0.5 cu metres up to and including 0.75 cu metres	152	88	n.p.	n.p.	21	n.p.	6	438
Over 0.75 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Loader Attachments	516	363	238	n.p.	122	29	n.p.	1,522
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.								
Classified by digging depths to IEMC standard 5 centre mounted								
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	—	—	n.p.	—	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	49	n.p.	n.p.	n.p.	n.p.	—	n.p.	95
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total tractor mounted or trailing	63	16	n.p.	6	16	n.p.	n.p.	132
Side-shift—								
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	—	n.p.	—	—	—	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	139	103	109	48	n.p.	n.p.	9	431
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Total side-shift	216	137	135	69	40	16	9	622
Total Hydraulic Backhoes	279	153	154	75	56	19	18	754
3. LOADERS								
Complete machines comprising tractor, loader arms and bucket.								
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a)								
Crawler loaders								
Up to and including 1.0 cu metres	100	113	50	n.p.	n.p.	—	—	293
Over 1.0 cu metres up to and including 1.2 cu metres	12	n.p.	n.p.	n.p.	4	n.p.	—	35
Over 1.2 cu metres up to and including 1.5 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	23
Over 1.5 cu metres up to and including 1.9 cu metres	n.p.	5	n.p.	—	n.p.	6	—	18
Over 1.9 cu metres	n.p.	n.p.	—	—	—	n.p.	—	7
Total Crawler Loaders	128	132	64	15	25	12	—	376
Wheel loaders, four wheel drive								
Up to and including 0.5 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Over 0.5 cu metres up to and including 1.0 cu metres	16	11	20	5	8	—	—	60
Over 1.0 cu metres up to and including 1.5 cu metres	49	28	29	13	26	n.p.	n.p.	148
Over 1.5 cu metres up to and including 1.8 cu metres	10	16	16	18	n.p.	n.p.	n.p.	79
Over 1.8 cu metres up to and including 2.5 cu metres	n.p.	12	19	17	20	10	n.p.	100
Over 2.5 cu metres up to and including 3.0 cu metres	n.p.	n.p.	n.p.	4	9	n.p.	—	n.p.
Over 3.0 cu metres	16	11	14	n.p.	20	n.p.	—	74
Total Wheel Loaders	128	102	117	83	98	26	8	562

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, STATES—
continued

Type of implement or attachment	Year ended June 1984							
	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
—number of units sold—								
4. MOTOR GRADERS								
Rated net flywheel power (with accessories) at governed R.P.M.								
Up to and including 75 kw	n.p.	n.p.	n.p.	n.p.	—	—	—	22
Over 75 kw up to and including 100 kw	n.p.	21	n.p.	n.p.	n.p.	—	n.p.	49
Over 100 kw	n.p.	n.p.	59	n.p.	n.p.	—	n.p.	185
Total Motor Graders	59	70	64	n.p.	31	5	n.p.	256
5. SCRAPERS WITH OR WITHOUT ELEVATORS								
Heaped capacity								
Up to but not exceeding 20 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.	n.p.
Exceeding 20 cu metres	n.p.	n.p.	n.p.	—	n.p.	—	—	n.p.
Total Scrapers	19	17	23	n.p.	n.p.	—	—	68
6. OFF HIGHWAY TRUCKS								
Payload capacity								
Up to and including 45 tonnes	n.p.	—	n.p.	—	n.p.	—	—	20
Over 45 tonnes up to and including 80 tonnes	n.p.	—	n.p.	—	n.p.	—	—	13
Over 80 tonnes	n.p.	—	n.p.	—	n.p.	—	—	45
Total Off Highway Trucks	n.p.	—	28	—	n.p.	—	—	78
7. EXCAVATING MACHINERY								
(operating weight equipped with standard backhoe configuration)								
Wheel mounted (b)	—	n.p.	n.p.	—	—	—	—	n.p.
Crawler mounted (c) (including dredging machinery)—								
Up to and including 18 tonnes	19	n.p.	7	—	n.p.	n.p.	—	46
Over 18 tonnes up to and including 25 tonnes	32	36	17	n.p.	12	27	n.p.	134
Over 25 tonnes	31	23	15	n.p.	13	9	n.p.	97
8. TAMPING AND COMPACTING MACHINERY								
Pedestrian guided (all types)	481	546	345	n.p.	168	n.p.	n.p.	1,743
Drawn								
Vibrating rollers	n.p.	n.p.	n.p.	—	—	—	—	12
Non-vibrating rollers	n.p.	n.p.	n.p.	—	—	—	n.p.	7
Total Drawn rollers	6	8	n.p.	—	—	n.p.	—	19
Self-propelled								
Vibrating rollers—								
Rubber wheel	83	37	22	n.p.	n.p.	n.p.	—	175
Steel wheel	n.p.	n.p.	34	n.p.	n.p.	n.p.	—	86
Non-vibrating rollers—								
Rubber tyre	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Steel wheel	—	n.p.	—	—	—	—	—	n.p.
Tamping foot	n.p.	n.p.	n.p.	n.p.	—	—	—	n.p.
Total Self-Propelled Rollers	127	83	75	27	21	8	—	341
9. MOBILE CRANES (d) (excluding self-propelled excavators and powered store trucks (lifting capacity maximum))—								
Self-propelled rough terrain and wagon types	6	n.p.	n.p.	n.p.	—	n.p.	—	13
Truck and carrier mounted type—								
Up to and including 10 tonnes	12	9	n.p.	n.p.	n.p.	n.p.	—	40
Over 10 tonnes up to and including 20 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	10
Over 20 tonnes	5	4	5	n.p.	n.p.	—	—	17
Wheel tractor type—								
Up to and including 5 tonnes	—	—	—	—	n.p.	—	—	n.p.
Over 5 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Crawler tractor type	—	—	—	—	—	—	—	n.p.
Total Mobile Cranes	28	19	17	n.p.	65	n.p.	—	138
10. TRENCH AND DITCH DIGGING MACHINERY								
(excluding backhoes), all types	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
11. LOG SKIDDERS								
(rated net flywheel power with accessories, at governed R.P.M.)	12	n.p.	6	—	n.p.	12	—	35

For footnotes see page 3.