

**SALES OF
NEW CONSTRUCTION MACHINERY,
INDUSTRIAL TRACTORS,
AND SELECTED ATTACHMENTS
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DECEMBER QUARTER 1978

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INQUIRIES

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EXPLANATORY NOTES

This bulletin contains statistics relating to the sales in Australia of imported and Australian-made new construction machinery, industrial tractors, and selected attachments. Prior to the September quarter 1974 bulletins in this series were published under the title *Sales of New Construction Machinery and Attachments* and did not include data in respect of industrial tractors.

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 businesses overseas. Principals complete separate returns for each State, or arrange for their completion by State distributors.

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.

- (1) *New Agricultural Machinery Statistics* (8505.0).
- (2) *New Tractors: Receipts, Sales and Stocks* (8507.0).
- (3) *Principal Articles Produced* (8303.0).

6. All publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols used in this bulletin

.. Not applicable.

r Figure or series revised since previous issue.

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

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Acting Australian Statistician

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA
(Number of units sold)

Type of implement or attachment	Year ended		Quarter ended			
	June 1978	December 1977	March 1978	June 1978	September 1978	December 1978
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	166	33	35	55	31	34
Exceeding 10,000 kg but not exceeding 15,000 kg	125	31	29	42	29	30
Exceeding 15,000 kg but not exceeding 20,000 kg	64	12	n.p.	n.p.	n.p.	n.p.
Exceeding 20,000 kg but not exceeding 30,000 kg	50	n.p.	9	17	n.p.	n.p.
Exceeding 30,000 kg	45	n.p.	n.p.	n.p.	7	16
Total Crawler Tractors	450	101	104	151	95	107
Wheeled tractors, rubber tyred, four wheel drive -						
Maximum P.T.O. kw.						
Up to but not exceeding 60 P.T.O. kw	26	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	n.p.	n.p.	..	..	n.p.	n.p.
Exceeding 90 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	4	n.p.
Total Wheeled Tractors	63	26	n.p.	13	16	25
2. SELECTED ATTACHMENTS						
Sold singly or as original equipment with Prime Motor.						
Dozers - for use with						
Wheel tractors -	n.p.	44	29	n.p.	n.p.	n.p.
two-wheel drive	n.p.	26	33	n.p.	n.p.	n.p.
four-wheel drive	424	94	91	148	94	103
Crawler tractor	733	164	153	227	206	183
Total Dozer Attachments	858	189	182	303	160	171
Rippers						
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).						
Up to and including 0.4 cu metres	225	39	62	62	24	30
Over 0.4 cu metres up to and including 0.5 cu metres	748	145	131	218	116	171
Over 0.5 cu metres up to and including 0.75 cu metres	713	161	230	205	201	160
Over 0.75 cu metres	210	33	40	78	68	35
Total Loader Attachments	1,896	378	463	563	409	396
Hydraulic backhoes tractor mounted or trailing. Exclude bydraulic 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	149	23	35	63	26	18
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total tractor mounted or trailing	268	45	58	101	54	32
Side-shift -						
Up to and including 3.5 metres maximum digging depth	139	28	n.p.	n.p.	26	n.p.
Over 3.5 metres up to and incl. 4 metres max. digging depth	689	151	n.p.	n.p.	151	n.p.
Over 4.5 metres maximum digging depth	..	..	..	..	..	..
Total side-shift	828	179	193	270	177	132
Total Hydraulic Backhoes	1,096	224	251	371	231	164
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	135	25	30	56	23	18
Over 1.0 cu metres up to and including 1.2 cu metres	36	n.p.	n.p.	19	n.p.	8
Over 1.2 cu metres up to and including 1.5 cu metres	67	17	10	22	8	10
Over 1.5 cu metres up to and including 1.9 cu metres	37	n.p.	n.p.	n.p.	6	7
Over 1.9 cu metres	20	7	5	n.p.	n.p.	8
Total Crawler Loaders	295	58	55	127	45	51
Wheel loaders, four wheel drive						
Up to and including 0.5 cu metres	148	46	42	35	32	n.p.
Over 0.5 cu metres up to and including 1.0 cu metres	103	26	23	40	23	n.p.
Over 1.0 cu metres up to and including 1.5 cu metres	155	46	34	41	33	23
Over 1.5 cu metres up to and including 1.8 cu metres	160	34	41	51	18	35
Over 1.8 cu metres up to and including 2.5 cu metres	156	41	25	46	27	30
Over 2.5 cu metres up to and including 3.0 cu metres	82	14	10	31	13	22
Over 3.0 cu metres	85	21	19	24	27	31
Total Wheel Loaders	889	228	194	267	173	190

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA - continued
(Number of units sold)

Type of implement or attachment	Year ended		Quarter ended			
	June 1978	December 1977	March 1978	June 1978	September 1978	December 1978
4. MOTOR GRADERS						
Rated net flywheel power (with accessories) at governed R.P.M.						
Up to and including 75 kw	n.p.	25	18	n.p.	n.p.	16
Over 75 kw up to and including 100 kw	n.p.	34	39	n.p.	n.p.	37
Over 100 kw	136	35	34	47	53	59
<i>Total Motor Graders</i>	<i>344</i>	<i>94</i>	<i>91</i>	<i>108</i>	<i>182</i>	<i>112</i>
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.
<i>Total Scrapers</i>	<i>116</i>	<i>21</i>	<i>34</i>	<i>41</i>	<i>29</i>	<i>n.p.</i>
6. OFF HIGHWAY TRUCKS						
Payload capacity -						
Up to and including 45 tonnes	n.p.	29	18	n.p.	n.p.	n.p.
Over 45 tonnes up to and including 80 tonnes	36	n.p.	n.p.	7	15	n.p.
Over 80 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	..
<i>Total Off Highway Trucks</i>	<i>140</i>	<i>48</i>	<i>30</i>	<i>28</i>	<i>43</i>	<i>23</i>
7. EXCAVATING MACHINERY (operating weight equipped with standard backhoe configuration)						
Wheel mounted (b)	24	n.p.	n.p.	n.p.	n.p.	n.p.
Crawler mounted (c) (including dredging machinery) -						
Up to and including 18 tonnes	r76	n.p.	16	r25	r15	16
Over 18 tonnes up to and including 25 tonnes	r92	13	19	r33	r19	21
Over 25 tonnes	r35	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total Excavators</i>	<i>r227</i>	<i>39</i>	<i>47</i>	<i>r78</i>	<i>r38</i>	<i>50</i>
8. TAMPING AND COMPACTING MACHINERY Pedestrian guided (all types)	1,527	486	450	439	391	160
Drawn -						
Vibrating rollers	59	n.p.	n.p.	n.p.	n.p.	n.p.
Non-vibrating rollers	13	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total Drawn Rollers</i>	<i>72</i>	<i>18</i>	<i>14</i>	<i>12</i>	<i>14</i>	<i>6</i>
Self-propelled -						
Vibrating rollers -						
Rubber wheel	95	16	33	30	25	23
Steel wheel	124	29	38	31	46	34
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.	n.p.	n.p.	n.p.
Tamping foot	19	n.p.	n.p.	9	n.p.	n.p.
<i>Total Self-Propelled Rollers</i>	<i>324</i>	<i>67</i>	<i>92</i>	<i>98</i>	<i>100</i>	<i>91</i>
9. MOBILE CRANES (d) excluding self-propelled excavators and powered store trucks (lifting capacity maximum) -						
Self-propelled rough terrain and wagon types	14	n.p.	n.p.	n.p.	n.p.	n.p.
Truck and carrier mounted type -						
Up to and including 10 tonnes	57	5	18	n.p.	n.p.	n.p.
Over 10 tonnes up to and including 20 tonnes	n.p.	n.p.	n.p.	n.p.	9	n.p.
Over 20 tonnes	55	17	13	18	10	13
Wheel tractor type -						
Up to and including 5 tonnes	n.p.	..	n.p.	n.p.	n.p.	..
Over 5 tonnes	n.p.	n.p.	n.p.	n.p.	68	n.p.
Crawler tractor type	n.p.	n.p.	n.p.	n.p.	n.p.	..
<i>Total Mobile Cranes</i>	<i>242</i>	<i>68</i>	<i>86</i>	<i>124</i>	<i>103</i>	<i>88</i>
10. TRENCH AND DITCH DIGGING MACHINERY (excluding backhoes), all types	581	89	139	289	80	81
11. HLOG SKIDDERS	47	10	11	11	7	11

(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 1818(a) using material of 1800 kg/cu metre density. The machine should be in a standard configuration and exclude any optional counterweighting. (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.