

Construction Machinery

1998

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**Current
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Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index," from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

Note: Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Summary of Findings

Value of shipments of the types of construction machinery included in this report, except motor graders and light maintainers, scraper bowls, construction machinery for mounting on trucks, tractors, etc., and winches

and other materials-handling equipment for mounting, increased from \$13,084.5 million in 1997 to \$13,962.1 million in 1998, an increase of 7 percent.

Shipments of power cranes, draglines, and excavators, including surface mining equipment, and attachments for 1998 were \$3,362.4 million, up 15 percent from the previous year's total of \$2,927.4 million.

Value of shipments of mixers, pavers, and related equipment also increased from \$1,283.8 million in 1997 to \$1,460.0 million in 1998, an increase of 14 percent. Off-highway trucks, truck-type tractor chassis, trailers, coal haulers, or wagons decreased by 10 percent in value of shipments to \$1,436.1 million in 1998 from \$1,596.3 in 1997.

Shipments of tractor shovel loaders increased from \$3,912.5 million in 1997 to \$3,991.2 million in 1998, an increase of 2 percent. Crawler tractors, contractors' off-highway wheel tractors, dozers, and self-propelled wheeled log skidders increased by 15 percent, from \$1,720.3 million in 1997 to \$1,973.6 million in 1998. Rollers and compactors decreased from \$647 million in 1997 to \$532 million in 1998, for a total of 18 percent.

Shipments of rough terrain forklifts (integral units only) increased by 34 percent to \$668.2 million in 1998 from \$499.5 million for the prior year. Ditchers and trenchers, self-propelled (integral units only) increased from \$238.7 million in 1997 by 11 percent to \$266.1 million for 1998. Construction machinery for mounting on trucks, tractors, and other prime movers, except winches, hoists, and other materials-handling equipment, moved to \$272.5 million in 1998, from \$258.6 million in 1997, a 5-percent increase.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Keeley Voor, 301-457-4746.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

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Table 1. Value of Shipments of Selected Construction Machinery: 1989 to 1998
 [Millions of dollars]

Product description	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989
Power cranes, draglines, and excavators, including surface mining equipment, and attachments	3,362.4	2,927.4	2,740.3	2,561.4	2,252.5	1,719.4	1,582.3	1,239.1	1,511.8	1,318.3
Mixers, pavers, and related equipment.	1,460.0	1,283.8	1,145.8	1,168.8	1,079.8	877.1	635.8	509.6	609.6	701.8
Off-highway trucks, truck-type tractor chassis, trailers, coal haulers, wagons.	1,436.1	1,596.3	1,632.6	1,326.9	961.9	876.1	706.9	822.9	957.7	803.3
Tractor shovel loaders.	3,991.2	3,912.5	3,340.1	3,041.8	2,632.6	2,354.4	1,833.1	1,855.5	2,235.9	2,212.0
Crawler tractors, contractors' off-highway type wheel tractors, dozers, and self-propelled wheeled log skidders	1,973.6	1,720.3	1,697.2	1,597.4	(D)	(D)	1,099.5	1,242.9	1,453.1	1,529.9
Motor graders and light maintainers	(D)	(D)	588.4	479.9	445.2	(D)	(D)	355.8	408.0	409.9
Rollers and compactors.	532.0	647.4	517.6	(S)	361.3	303.2	240.5	186.0	267.2	251.1
Rough-terrain forklifts	668.2	499.5	412.3	355.4	270.9	201.9	177.5	167.9	209.3	183.4
Scraper bowls	(D)	237.5	121.5	142.2	124.9	(D)	(D)	99.1	181.6	233.6
Self-propelled ditchers and trenchers (integral units)	266.1	238.7	209.1	193.5	174.0	143.6	124.1	112.2	129.7	153.6
Construction machinery for mounting on trucks, tractors, etc.	(X)	(X)	(X)	(X)	286.6	249.8	256.1	214.6	258.6	343.0
Construction machinery (except winches and other materials-handling equipment) for mounting on trucks, tractors, etc.	272.5	258.6	214.5	(D)	(X)	(X)	(X)	(X)	(X)	(X)
Winches and other materials-handling equipment, for mounting	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
Aerial work platforms	2,040.3	(D)	(D)	1,131.1	844.9	637.4	590.3	568.9	814.9	799.8

D Withheld to avoid disclosing data for individual companies.

S Data does not meet publications standards.

X Not applicable.

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1998		1997	
			Quantity	Value	Quantity	Value
33312011	Power cranes, draglines, and excavators, including surface mining equipment, and attachments	(X)	179,030	3,362,443	91,400	2,927,410
	Hydraulic operated excavators:					
	Crawler mounted, rated size in metric tons:					
3331201111	Not more than 24 metric tons	7	12,240	755,662	9,859	570,341
3331201114	More than 24 but not more than 40 metric tons	6	4,373	773,545	4,437	712,945
3331201117	More than 40 metric tons	5	902	243,474	886	287,129
3331201129	Wheel (rubber) mounted, all sizes	2	(D)	(D)	(D)	(D)
	Cranes, lattice boom:					
	Crawler mounted, maximum working load;					
3331201132	Not more than 110 metric tons	2	(D)	(D)	5	1,965
3331201134	More than 110 metric tons	3	(D)	(D)	(D)	(D)
3331201145	Wheel (rubber) mounted	3	(D)	(D)	43	38,167
	Cranes, hydraulic operated, telescopic boom:					
	Wheel cranes (integral), multiple control stations (rubber mounted), maximum working load of:					
3331201152	Not more than 18 metric tons	4	1,486	63,733	1,358	60,698
3331201154	More than 18 but not more than 27 metric tons	2	(D)	(D)	(D)	(D)
3331201156	More than 27 but not more than 50 metric tons	4	365	94,032	153	42,443
3331201158	More than 50 metric tons	4	(D)	(D)	(D)	(D)
3331201167	Pinned on type, telescopic and articulated	5	2,723	143,330	2,729	127,308
	Wheel cranes, one control station (self-propelled, rubber mounted), maximum working load of:					
3331201171	Not more than 16 metric tons	7	1,258	80,002	1,133	69,888
3331201174	More than 16 metric tons but not more than 22.7 metric tons	5	b/ 55	b/ 10,631	285	49,222
3331201177	More than 22.7 metric tons	4	1,492	373,485	844	237,944
	All-terrain cranes, maximum working loads of:					
3331201182	Not more than 20 metric tons	3	(D)	(D)	(D)	(D)
3331201184	More than 20 metric tons but not more than 35 metric tons	-	(X)	(X)	(X)	(X)
3331201186	More than 35 metric tons but not more than 110 metric tons	1	(D)	(D)	(D)	(D)
3331201188	More than 110 metric tons	-	(X)	(X)	(X)	(X)
	Other cranes and excavators:					
3331201194	Pedestal or shipmounted marine cranes	6	c/ 150	c/ 49,253	79	27,572
3331201199	All other cranes, excavators, and draglines, n.e.c.	7	687	c/ 136,940	827	177,549
3331201100	Cranes, excavators, and draglines, n.s.k.	(X)	(X)	(X)	(X)	(X)
	Attachments for power cranes, draglines, and excavators, sold separately:					
33312011A4	Hoe	6	c/ 19,178	b/ 42,344	15,594	33,609
33312011A5	Dragline buckets, all sizes	6	a/ 173	12,358	104	9,145
33312011A7	Clamshell/grapple	9	794	14,956	606	14,849
33312011AA	All other attachments, n.e.c.	22	131,937	125,318	51,445	136,876
33312012	Mixers, pavers, and related equipment	(X)	121,213	1,459,972	103,778	1,283,812
	For concrete, plaster, or mortar applications:					
3331201222	Concrete mixers (except plaster and mortar), portable, including truck or other mixer or agitator, all sizes	17	b/ 9,187	c/ 357,543	8,750	338,592

Continued

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1998		1997	
			Quantity	Value	Quantity	Value
3331201231	Plaster and mortar mixers, all sizes	7	14,114	27,349	11,673	22,585
3331201233	Slipform concrete paving machines, including multipurpose, automated curb and gutter and concrete slipform pavers up to and including 34-foot wide	12	547	a/ 72,352	482	61,729
3331201239	Concrete trowels	7	15,988	29,602	14,207	25,203
3331201241	Concrete vibrators (electric motor, gasoline engine, structural high-cycle, pneumatic, etc.)	11	68,984	62,674	57,128	54,649
3331201244	Concrete screeds (hand-propelled or winch type)	7	2,447	5,079	2,814	4,830
3331201247	Concrete batching plants, bin and batch, for concrete aggregate only and bulk cement.	13	c/ 649	b/ 74,433	740	82,175
3331201251	Concrete pumps, mobile	4	(D)	(D)	(D)	(D)
3331201256	Other concrete, plaster, and mortar mixing and paving machinery	5	936	b/ 20,608	892	r/ 19,347
3331201266	For asphalt or bituminous applications: Bituminous distributors.	7	a/ 664	23,245	576	20,563
3331201271	Bituminous pavers, self-propelled: 21,999 lb gross weight and under (basic unit).	7	1,110	53,413	974	59,163
3331201275	22,000 lb gross weight and over (basic unit).	5	807	155,261	626	113,785
3331201282	Asphalt plants, including cold mix central plants: Less than 7,500 lb (239 tph)	3	47	b/ 25,535	47	28,299
3331201284	7,500 lb and over (240 tph and over)	5	c/ 142	b/ 234,872	96	148,566
3331201286	Bituminous stabilization mixing equipment, including central mixing plants and mix-in-place.	4	c/ 84	c/ 26,190	190	52,737
3331201289	Bituminous cold planers/milling machines (self-propelled)	3	(D)	(D)	(D)	(D)
3331201291	Other asphalt and bituminous mixing and paving machinery.	8	c/ 975	b/ 16,766	889	14,724
3331201295	Other products, for use in either concrete or bituminous applications.	8	b/ 3,125	63,525	2,428	28,795
33312013	Off-highway trucks, truck-type tractor chassis, trailers, coal haulers, or wagons	(X)	6,830	1,436,100	5,806	1,596,289
3331201371	Off-highway rear dump haulers	8	3,536	1,271,459	3,184	1,457,466
3331201376	Other	8	a/ 3,294	a/ 164,641	2,622	138,823
33312014	Tractor shovel loaders	(X)	112,136	3,991,204	103,098	3,912,530
3331201460	Skid steer loaders, 4-wheel drive skid steer, all sizes.	6	a/ 65,958	a/ 1,014,638	62,527	958,511
3331201471	Wheel loaders, rear engine mount, integral design, 4-wheel drive, nonskid steer: Under 79 nehp.	3	(D)	(D)	(D)	(D)
3331201475	80 through 149 nehp.	8	a/ 6,325	554,501	6,448	529,000
3331201479	150 through 249 nehp	7	4,021	555,474	3,701	513,265
3331201479	250 nehp and over.	5	2,486	834,806	2,490	860,069
3331201483	Crawler loaders.	2	(D)	(D)	(D)	(D)
3331201488	Integral design tractor shovel loader/backhoes (wheel tractor chassis shipped as part of front engine mount contractor tractor)	6	b/ 32,258	b/ 953,326	26,878	974,567
33312015	Crawler tractors, contractors' off-highway-type wheel tractors, dozers, and self-propelled wheeled log skidders	(X)	12,918	1,973,557	11,630	1,720,279
3331201577	Wheeled log skidders, self-propelled	8	2,327	289,291	2,140	240,774

Continued

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 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1998		1997	
			Quantity	Value	Quantity	Value
3331201599	Crawler tractors (except crawler loaders) and tracklaying and other contractors' off-highway type wheel tractors and dozers.	11	10,591	1,684,266	9,490	1,479,505
33312016 pt.	Motor graders and light maintainers.	(X)	(D)	(D)	(D)	(D)
3331201661	Under 144 neh.	6	(D)	(D)	(D)	(D)
3331201667	145 neh and over.	3	(D)	(D)	(D)	(D)
33312016 pt.	Rollers and compactors	(X)	55,711	532,024	56,113	647,411
	Static smooth steel wheel rollers, tandem:					
3331201671	Under 3 metric tons.	5	1,145	12,332	1,297	13,569
3331201673	At least 3 but less than 5.5 metric tons.	2	(D)	(D)	(D)	(D)
3331201676	5.5 metric tons and over	4	(D)	(D)	(D)	(D)
3331201682	Pneumatic tire rollers.	7	583	26,181	537	22,947
	Vibratory single drum with 1 or 2 drive wheels:					
3331201687	Under 5 metric tons.	6	1,098	31,715	1,197	30,487
3331201689	At least 5 but less than 8 metric tons	3	1,065	6,841	970	56,809
3331201692	8 metric tons and over	3	(D)	(D)	2,201	153,868
	Vibratory double drum, two drums vibrating:					
3331201696	Under 5 metric tons.	5	(D)	(D)	(D)	(D)
3331201699	At least 5 but less than 8 metric tons	2	(D)	(D)	(D)	(D)
33312016A2	8 metric tons and over	3	962	76,766	736	57,414
33312016A6	All other compaction equipment (except handheld); including, embankment and landfill compactors, towed roller and double drum compactors with one drum vibrating.	4	(D)	(D)	(D)	(D)
33312016 pt.	Rough terrain forklifts (integral units only)	(X)	10,778	668,166	8,100	499,503
33312016D1	Vertical mast, 2-wheel drive	10	3,104	192,648	2,826	173,402
33312016D3	Vertical mast, 4-wheel drive	7	522	16,679	577	19,600
33312016D5	Telescopic handlers, 2- and 4-wheel drive	6	b/ 7,152	b/ 458,839	4,697	306,501
33312016E5	Scraper bowls.	4	(D)	(D)	2,427	237,532
33312016 pt.	Ditchers and trenchers, self-propelled (integral units only)	(X)	11,009	266,135	10,543	238,663
	Ladder-type digging element:					
33312016J3	Under 2,000 lb gross weight.	5	(D)	(D)	(D)	(D)
33312016J5	2,000 to 4,999 lb gross weight	4	2,413	46,293	2,763	55,799
33312016J7	5,000 lb gross weight and over.	4	b/ 3,672	b/ 177,275	3,192	146,414
33312016JJ	Wheel-type digging element	3	(D)	(D)	(D)	(D)
33312017	Construction machinery for mounting on trucks, tractors, and other prime movers (except winches, hoists, and other materials-handling equipment).	(X)	57,832	272,499	61,489	258,564
3331201782	Backhoes, either shipped for mounting separately or already mounted on an integral unit	9	17,104	121,802	20,461	121,295
3331201799	All other, including sidebooms, pipehandlers, dozers, front-end loaders, shovel loaders, logging arches, rippers, rooters, continuous ditching and trenching attachments, forklift attachments, cranes, cable power control units, hydraulic power control units, etc.	30	b/ 40,728	150,697	41,028	137,269
33392372 pt.	Winches and materials-handling equipment for mounting.	(X)	(D)	(D)	(D)	(D)
3339237231	Winches (towing, logging, and oil field types).	7	(D)	208,849	(D)	103,691

Continued

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1998		1997	
			Quantity	Value	Quantity	Value
3339237239	Other equipment.	2	(D)	(D)	(D)	(D)
33392372 pt.	Aerial work platforms.	(X)	93,777	2,040,305	(D)	(D)
3339237211	Boom type, self-propelled.	8	29,296	1,124,805	17,429	852,548
3339237213	Scissors type, self-propelled.	8	b/ 29,409	b/ 430,175	27,289	406,819
3339237215	Not self-propelled, boom and scissors type.	5	(D)	(D)	(D)	(D)
3339237217	Truck mounted.	13	(D)	(D)	12,257	392,240

- Represents zero. D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified.
 neh Net engine horsepower. n.s.k. Not specified by kind. pt. Part. r/Revised by 5 percent or more from
 previously published data. tph Tons per hour. X Not applicable.

Note: The percent of estimation of each item is indicated as follows: a/16 to 25 percent of this item is estimated.
 b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Shipments, Exports, and Imports of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product description	Manufacturers' shipments 1/		Export shipments 3/		Import shipments 4/	
	Quantity	Value 2/	Quantity	Value	Quantity	Value 5/
1998						
Wheel tractors, contractors' off-highway type, 2- and 4- wheel for use on natural terrain	(D)	(D)	3,791	90,353	3,718	28,358
Rubber-tired dozers	(D)	(D)	303	14,275	67	6,119
Wheeled log skidders, self-propelled.	2,327	289,291	1,183	57,260	1,210	111,288
Crawler tractors (except crawler loaders).	(D)	(D)	1,624	339,237	6,697	462,704
Wheel loaders, rear engine mount, integral design 4-wheel drive, nonskid steer.	(D)	(D)	16,049	604,609	6,693	446,318
Skid steer loaders.	65,958	1,014,638	1,639	67,096	1,215	75,567
Crawler loaders	(D)	(D)	274	8,155	1,768	188,473
Excavators, hydraulic operated, crawler mounted	17,515	1,772,681	2,280	259,354	14,888	1,053,489
Excavators, hydraulic operated, wheel (rubber) mounted	(D)	(D)	102	15,270	1,415	118,331
Cranes, lattice boom, wheel (rubber) mounted.	(D)	(D)	148	17,303	110	43,562
Cranes, wheel (integral), hydraulic operated, telescopic boom, multiple control stations (rubber mounted), including pinned on type, telescopic and articulated	(D)	(D)	453	56,185	192	77,445
Cranes, wheel, hydraulic operated, telescopic boom, one control station (self-propelled, rubber mounted)	2,805	464,118	935	89,504	116	20,930
Cranes, pedestal or shipmounted	150	49,253	567	7,864	196	11,053
Cranes, other	(D)	(D)	247	40,069	677	58,747
Clamshell/grapple (attachments)	794	14,956	3,525	6,280	3,384	7,241
Dragline buckets (attachments).	173	12,358	-	-	7,221	3,760
Concrete mixers	23,950	459,325	2,323	16,215	48,873	32,953
Concrete pavers, finishers, and spreaders	87,966	169,707	1,173	29,166	3,585	2,327
Concrete pumps.	(D)	(D)	1,297	18,908	4,837	54,640
Bituminous pavers, finishers, and spreaders	(D)	(D)	596	34,785	335	628
Asphalt plants and bituminous stabilization mixing equipment	273	286,597	967	24,310	20	956
Scraper bowls	(D)	(D)	1,503	818	1,954	26,721
Motor graders and light maintainers	(D)	(D)	1,493	159,046	1,108	125,312
Self-propelled vibratory compaction equipment	(D)	(D)	1,832	61,013	4,504	143,319
Self-propelled static compaction equipment.	(D)	(D)	1,015	44,201	1,117	26,219
Off-highway rear dump haulers, trucks and truck trailers, including ridged and articulated	3,536	1,271,459	3,422	601,810	533	76,159
Off-highway trucks, truck-type tractor chassis, trailers, and wagons	3,294	164,641	1,530	122,932	2,284	315,154
Winches for mounting (towing, logging, and oil field types)	(D)	208,849	186,426	78,592	3,037,471	80,765
Backhoes for mounting	17,104	121,802	9,022	32,456	11,380	2,553
Other construction machinery for mounting	(D)	(D)	12,138	28,592	38,191	109,372
Self-propelled continuous ditchers and trenchers (integral units), ladder-type digging element.	(D)	(D)	1,100	17,926	1	100

Continued

Table 3. Shipments, Exports, and Imports of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product description	Manufacturers' shipments 1/		Export shipments 3/		Import shipments 4/	
	Quantity	Value 2/	Quantity	Value	Quantity	Value 5/
Self-propelled continuous ditchers and trenchers (integral units), wheel-type digging element	(D)	(D)	352	15,996	206	1,631
1997						
Wheel tractors, contractors' off-highway type, 2- and 4-wheel for use on natural terrain	(D)	(D)	3,568	114,369	4,315	29,053
Rubber-tired dozers	(D)	(D)	455	23,625	145	4,107
Wheeled log skidders, self-propelled.	2,140	240,774	1,458	65,798	1,007	87,025
Crawler tractors (except crawler loaders).	(D)	(D)	1,735	325,441	5,753	393,178
Wheel loaders, rear engine mount, integral design 4-wheel drive, nonskid steer.	(D)	(D)	17,918	639,114	5,152	357,481
Skid steer loaders.	62,527	958,511	1,836	86,648	1,090	52,077
Crawler loaders	(D)	(D)	202	8,746	1,556	167,062
Excavators, hydraulic operated, crawler mounted	15,182	1,570,415	2,495	302,035	9,422	733,016
Excavators, hydraulic operated, wheel (rubber) mounted	(D)	(D)	65	7,550	1,327	106,788
Cranes, lattice boom, wheel (rubber) mounted. . . .	43	38,167	192	29,293	216	41,843
Cranes, wheel (integral), hydraulic operated, telescopic boom, multiple control stations (rubber mounted), including pinned on type, telescopic and articulated	(D)	(D)	523	72,780	185	52,656
Cranes, wheel, hydraulic operated, telescopic boom, one control station (self-propelled, rubber mounted)	2,262	357,054	911	99,271	160	19,302
Cranes, pedestal or shipmounted	79	27,572	790	13,266	188	56,284
Cranes, other	(D)	(D)	636	120,621	327	54,498
Clamshell/grapple (attachments)	606	14,849	3,997	6,875	3,210	5,623
Dragline buckets (attachments).	104	9,145	-	-	1,187	2,235
Concrete mixers	21,163	443,352	1,800	14,566	39,748	28,461
Concrete pavers, finishers, and spreaders	74,631	146,411	1,412	35,239	2,249	3,813
Concrete pumps.	(D)	(D)	1,865	20,381	16,731	19,529
Bituminous pavers, finishers, and spreaders	(D)	(D)	614	39,328	2,798	3,212
Asphalt plants and bituminous stabilization mixing equipment	333	229,602	940	28,180	39	116
Scraper bowls	2,427	237,532	3,762	6,217	1,027	11,104
Motor graders and light maintainers	(D)	(D)	1,783	178,525	720	73,320
Self-propelled vibratory compaction equipment . .	(D)	(D)	2,262	79,622	3,940	110,436
Self-propelled static compaction equipment.	(D)	(D)	924	46,650	605	15,254
Off-highway rear dump haulers, trucks and truck trailers, including ridged and articulated .	3,184	1,457,466	3,126	412,977	294	51,557
Off-highway trucks, truck-type tractor chassis, trailers, and wagons	2,622	138,823	1,950	253,701	1,753	276,124
Winches for mounting (towing, logging, and oil field types)	(D)	103,691	440,623	76,430	2,504,578	76,776
Backhoes for mounting	20,461	121,295	2,699	9,032	4,322	2,984

Continued

Table 3. Shipments, Exports, and Imports of Selected Construction Machinery: 1998 and 1997
 [Quantity in number of units. Value in thousands of dollars]

Product description	Manufacturers' shipments 1/		Export shipments 3/		Import shipments 4/	
	Quantity	Value 2/	Quantity	Value	Quantity	Value 5/
Other construction machinery for mounting	(D)	(D)	21,143	52,362	57,026	81,801
Self-propelled continuous ditchers and trenchers (integral units), ladder-type digging element. . . .	(D)	(D)	1,639	22,490	-	-
Self-propelled continuous ditchers and trenchers integral units), wheel-type digging element	(D)	(D)	374	14,194	43	3,067

- Represents zero. D Withheld to avoid disclosing data for individual companies.

1/See Table 4 for comparability.

2/Value f.o.b. plant.

3/Source: Census Bureau report EM 545, U.S. Exports.

4/Source: Census Bureau report IM 145, General Imports, and IM 146, U.S. Imports for Consumption.

5/Value represents c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus import duties.

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code 1/	Product description 2/	Export number 3/	Import number 4/
3331201599 pt.	Wheel tractors, contractors' off-highway type, 2- and 4-wheel for use on natural terrain	8701.90.5015	8701.90.5015
		8701.90.5020	8701.90.5020
		8701.90.5025	8701.90.5025
3331201599 pt.	Rubber-tired dozers	8429.19.0010	8429.19.0010
3331201577	Wheeled log skidders, self-propelled	8701.90.1001	8701.90.1001
3331201599 pt.	Crawler tractors (except crawler loaders)	8701.30.0015	8701.30.1015
		8701.30.0030	8701.30.1030
		8701.30.0045	8701.30.1045
		8701.30.0060	8701.30.1060
		8701.30.0075	8701.30.1075
			8701.30.5015
			8701.30.5030
			8701.30.5045
	8701.30.5060		
	8701.30.5075		
3331201471 3331201475 3331201479 3331201479	Wheel loaders, rear engine mount, integral design 4-wheel drive, nonskid steer	8429.51.1015	8429.51.1015
		8429.51.1025	8429.51.1025
		8429.51.1030	8429.51.1030
		8429.51.1035	8429.51.1035
		8429.51.1040	8429.51.1040
		8429.51.1045	8429.51.1045
		8429.51.1050	8429.51.1050
		8429.51.1055	8429.51.1055
3331201460	Skid steer loaders	8429.51.1060	8429.51.1060
3331201483	Crawler loaders	8429.51.5010	8429.51.5010
		8429.51.5020	8429.51.5020
		8429.51.5030	8429.51.5030
		8429.51.5040	8429.51.5040
		8429.51.5050	8429.51.5050
3331201111 3331201114 3331201117	Excavators, hydraulic operated, crawler mounted	8429.52.1010	8429.52.1010

Continued

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code 1/	Product description 2/	Export number 3/	Import number 4/
3331201129	Excavators, hydraulic operated, wheel (rubber) mounted	8429.52.1030	8429.52.1030
3331201145	Cranes, lattice boom, wheel (rubber) mounted	8426.41.0010 8705.10.0010	8426.41.0010 8705.10.0010
3331201152 3331201154 3331201156 3331201158 3331201167	Cranes, wheel (integral), hydraulic operated telescopic boom, multiple control stations (rubber-mounted) stations, including pinned on type, telescopic and articulated	8705.10.0050	8705.10.0050
3331201171 3331201174 3331201177	Cranes, wheel, hydraulic operated, telescopic boom, one control station (self-propelled, rubber mounted)	8426.41.0090	8426.41.0090
3331201194	Cranes, pedestal or shipmounted	8426.30.0000	8426.30.0000
3331201132 3331201134 3331201182 3331201184 3331201186 3331201188 3331201199	Cranes, other	8426.49.0010 8426.49.0090 8429.52.1020	8426.49.0010 8426.49.0090 8429.52.1020
33312011A7	Clamshell/grapple attachments for power cranes, draglines, and excavators (sold separately)	8431.41.0040	8431.41.0040
33312011A5	Dragline bucket attachments for power cranes, draglines, and excavators (sold separately)	8431.41.0060	8431.41.0060
3331201222 3331201231 3331201247	Concrete mixers	8474.31.0000	8474.31.0000
3331201233 3331201239 3331201239 3331201244	Concrete pavers, finishers, and spreaders	8479.10.0040	8479.10.0040

Continued

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code 1/	Product description 2/	Export number 3/	Import number 4/
3331201251	Concrete pumps	8413.40.0000	8413.40.0000
3331201266 3331201271 3331201275 3331201289	Bituminous pavers, finishers, and spreaders	8479.10.0060	8479.10.0060
3331201282 3331201284 3331201286	Asphalt plants and bituminous stabilization mixing equipment	8474.32.0000	8474.32.0000
33312016E5	Scraper bowls	8431.49.9045	8431.49.9045
3331201661 3331201667	Motor graders and light maintainers	8429.20.0000	8429.20.0000
3331201687 3331201689 3331201692 3331201696 3331201699 33312016A2 33312016A6	Self-propelled vibratory compaction equipment	8429.40.0020	8429.40.0020
3331201671 3331201673 3331201676 3331201682	Self-propelled static compaction equipment	8429.40.0040	8429.40.0040
3331201371	Off-highway rear dump haulers, trucks and truck trailers, including ridged and articulated	8704.10.5020 8704.10.5030 8704.10.5040 8704.10.5050	8704.10.5020 8704.10.5030 8704.10.5040 8704.10.5050
3331201376	Off-highway trucks, truck-type tractor chassis, trailers, and wagons	8704.10.5060 8704.10.1000	8704.10.5060 8704.10.1000
3339237231	Winches for mounting (towing, logging, and oil field types)	8425.31.0000 8425.39.0000	8425.31.0000 8425.39.0000

Continued

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code 1/	Product description 2/	Export number 3/	Import number 4/
3331201782	Backhoes for mounting (whether or not mounted on an integral unit)	8431.49.9005	8431.49.9005
3331201799	Other construction machinery for mounting, including sidebooms, pipehandlers, dozers, front-end loaders, rippers, and rooters	8428.90.0030	8428.90.0030
3339237239		8428.90.8030	8428.90.8030
		8431.42.0000	8431.42.0000
		8431.49.9010	8431.49.9010
		8431.49.9015	8431.49.9015
33312016J3 33312016J5 33312016J7	Self-propelled continuous ditchers and trenchers (integral units), ladder-type digging element	8429.59.5020	8429.59.5020
33312016JJ	Self-propelled continuous ditchers and trenchers (integral units), wheel-type digging element	8429.59.5040	8429.59.5040

pt. Part.

1/North American Industry Classification System code; see Table 2.

2/Used in Table 3.

3/Source: 1998 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

4/Source: Harmonized Tariff Schedule of the United States, Annotated (1998).