

U.S. Census Bureau
Construction Machinery - 2009
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Table 1. Value of Shipments of Construction Machinery by Selected Products: 2009 to 2005
(Value in millions of dollars)

Product class code	Product description	Year	Value
3331201	Power cranes, excavation loaders, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes and related equipment	2009	11,789
		2008	(D)
		2007	(D)
		2006	20,949
		2005	22,829
3339237 (pt.)	Winches, aerial work platforms, automotive wrecker hoists, and parts	2009 a/	2,875
		2008	(D)
		2007	(D)
		2006	3,962
		2005	2,444

Table 2. Quantity and Value of Shipments of Construction Machinery: 2009 and 2008
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	Year	No. of cos.	Quantity		Value	
3331201 (pt.)	Total power cranes, draglines, and excavators, including surface mining equipment, and attachments (excluding parts)	2009	(X)	(X)	a/	3,175,409	
		2008		(X)		6,657,784	
3331201111	Excavators, hydraulic-operated, crawler-mounted rated size in metric tons, not more than 24 metric tons (26.46 short tons)	2009	7	c/	9,851	b/	376,668
		2008			28,641		1,142,223
3331201114	Excavators, hydraulic-operated, crawler-mounted rated size in metric tons, more than 24 metric but not more than 40 metric tons (44.09 short tons)	2009	7		964		193,977
		2008			4,313		862,097
3331201117	Excavators, hydraulic-operated, crawler-mounted rated size in metric tons, more than 40 metric tons	2009	5		490		148,960
		2008			1,646		677,155
3331201157	Cranes, hydraulic-operated, telescopic boom, wheel cranes (integral), multiple control stations, rubber-mounted, maximum working load of, less than 50 metric tons (55.12 short tons)	2009	4		81		16,678
		2008		r/	323	r/	70,872
3331201158	Cranes, hydraulic-operated, telescopic boom, wheel cranes (integral), multiple control stations, rubber-mounted, maximum working load of, more than 50 metric tons	2009	4		(D)		(D)
		2008			(D)		(D)
3331201167	Pinned-on type, telescopic and articulated	2009	6		2,660		80,430
		2008			(S)	c/	136,526
3331201171	Wheel cranes, one control station, self-propelled, rubber-mounted, maximum working load of, not more than 16 metric tons (17.64 short tons)	2009	4		608		68,316
		2008			1,248	a/	120,136
3331201175	Wheel cranes, one control station, self-propelled, rubber-mounted, maximum working load of, more than 16 metric tons (17.64 short tons)	2009	4		(D)		(D)
		2008			(D)		(D)
3331201185	All-terrain cranes	2009	4		(D)		(D)
		2008			(D)		(D)
3331201194	Other cranes and excavators, pedestal or shipmounted marine cranes	2009	3		86		53,604
		2008			(D)		(D)
3331201199	All other cranes and excavators, including locomotive wrecking, cable-operated excavators, and draglines	2009	7		490		883,111
		2008		r/	945	r/	1,163,144
33312011A4	Hoe attachments (sold separately) for power cranes, draglines, and excavators	2009	8		29,876		42,398
		2008			54,100	r/	91,916
33312011A5	Dragline bucket attachments all sizes (sold separately) for power cranes, draglines, and excavators	2009	4		(X)		31,707
		2008			(X)		53,546
33312011A7	Clamshell/grapple attachments all sizes (sold separately) for power cranes, draglines, and excavators	2009	14		1,725		14,258
		2008		a/r/	1,405	r/	20,956
33312011AA	All other attachments (sold separately) for power cranes, draglines, and excavators	2009	32	c/	446,666	b/	559,502
		2008		b/r/	656,615	b/r/	823,387
33312011A2	All other power cranes, draglines, and excavators, including surface mining equipment and attachments	2009	6		(D)		(D)
		2008			(D)		(D)
3331201 (pt.)	Total mixers, pavers, and related equipment, excluding parts	2009	(X)		45,956	a/	957,709
		2008		r/	77,786	a/r/	1,592,227
3331201222	Concrete mixers (excluding plaster and mortar), portable, all sizes, either truck-mixer or agitator or otherwise	2009	10		1,809	b/	76,845
		2008			5,102	b/r/	245,616
3331201231	Plaster and mortar mixers, all sizes	2009	4		(D)		(D)
		2008			(D)		(D)
3331201233	Slipform concrete paving machines (including multipurpose, automated curb and gutter and concrete slipform pavers up to and	2009	10		374		66,324
		2008			570		97,094

including 34 feet wide)

3331201239	Concrete trowels	2009	6		5,494		15,239
		2008			14,719		36,080
3331201241	Concrete vibrators (electric motor, gasoline engine, structural high-cycle, pneumatic, etc.)	2009	7		18,871		13,376
		2008			29,289		19,962
3331201244	Concrete screeds (hand-propelled or winch type)	2009	6		(D)		(D)
		2008			(D)		(D)
3331201247	Concrete batching plants, bin and batch, for concrete aggregate only and bulk cement	2009	9		(S)		(S)
		2008		c/	395	c/	97,512
3331201255	All other concrete, plaster, and mortar mixing and paving machinery (including concrete pumps, mobile)	2009	8	b/	3,331		75,964
		2008			6,601		270,165
3331201266	Bituminous distributors	2009	8		556		25,367
		2008			625		24,129
3331201271	Bituminous pavers, self-propelled, 21,999 lbs gross weight and under (basic unit)	2009	7		440		30,699
		2008			853		58,873
3331201275	Bituminous pavers, self-propelled, 22,000 lbs gross weight and over (basic unit)	2009	5		606		147,734
		2008			686		166,484
3331201283	Asphalt plants (including cold mix central plants)	2009	4	b/	146	c/	251,347
		2008		b/	151	c/	282,681
3331201286	Bituminous stabilization mixing equipment (including central mixing plants and mix-in-place)	2009	4		(D)		(D)
		2008		b/	198	b/	60,673
3331201289	Bituminous cold planers/milling machines (self-propelled)	2009	3		(D)		(D)
		2008			(D)		(D)
3331201291	Other asphalt and bituminous mixing and paving machinery	2009	11	c/	887	a/	68,234
		2008		a/r/	1,058	r/	83,034
3331201295	Other products, for use in either concrete or bituminous applications	2009	15		8,279		32,902
		2008			9,958		50,907
3331201 (pt.)	Total off-highway trucks, coal haulers, truck-type tractor chassis, trailers, and wagons, excluding parts	2009	(X)		3,138		1,827,123
		2008			5,280		2,638,890
3331201371	Off-highway rear dump haulers	2009	8		1,275		1,516,814
		2008			2,990		2,298,088
3331201376	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers, and wagons	2009	8		1,863	c/	310,309
		2008			2,290		340,802
3331201 (pt.)	Total tractor shovel loaders	2009	(X)		54,311		2,866,808
		2008			122,144	r/	6,470,086
3331201460	Skid steer loaders, 4-wheel drive skid steer, all sizes	2009	9		39,329		1,077,008
		2008			77,654		2,018,350
3331201471	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid steer, under 79 nehp	2009	6		(S)		(S)
		2008			(D)		(D)
3331201475	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid steer, 80-149 nehp	2009	9		(D)		(D)
		2008			(D)		(D)
3331201479	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid steer, 150-249 nehp	2009	8		2,888		468,827
		2008			5,588		906,151
3331201483	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid steer, 250 nehp and over	2009	6		980		552,526
		2008			2,525		1,261,972
3331201495	Integral-design tractor shovel loader/backhoes (wheel tractor-chassis shipped as part of front engine mount contractor tractor)	2009	4		(S)	c/	406,859
		2008		c/	31,100	a/	1,824,713
3331201496	All other tractor loaders, including crawler loaders	2009	1		(D)		(D)
		2008			0		0

3331201550	Construction wheel and crawler tractors, dozers, and self-propelled wheeled log skidders	2009 2008	(X)		(D) (D)	(D) (D)
3331201 (pt.)	Total motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, including scraper bowls, ditchers and trenchers (excluding parts)	2009 2008	(X)		12,448 33,122	1,151,804 2,661,170
3331201670	Rollers, motor graders, light maintainers, and compactors (static smooth steel wheel rollers, tandem)	2009 2008	12		(D) (D)	(D) (D)
3331201682	Pneumatic tire rollers	2009 2008	5		193 443	16,571 26,497
3331201687	Vibratory single drum with 1 or 2 drive wheels, under 5 metric tons (5.51 short tons)	2009 2008	10		278 864	6,730 27,524
3331201689	Vibratory single drum with 1 or 2 drive wheels, at least 5, but less than 8 metric tons (8.82 short tons)	2009 2008	4		101 757	6,495 49,017
3331201692	Vibratory single drum with 1 or 2 drive wheels, 8 metric tons and over	2009 2008	4		(D) 2,916	(D) 232,453
3331201693	Vibratory double drum, two drums vibrating	2009 2008	6		1,382 2,948	98,854 111,658
33312016A6	All other compaction equipment (excluding hand-held) including embankment and landfill compactors, towed roller and double drum-compactors with one drum vibrating	2009 2008	9	b/	3,420 8,264	a/ 262,599 546,756
33312016D1	Rough-terrain forklifts (integral units only), vertical mast, 2-wheel drive	2009 2008	7		(S) 829	(S) a/ 29,562
33312016D3	Rough-terrain forklifts (integral units only), vertical mast, 4-wheel drive	2009 2008	6	c/ c/	284 747	b/ b/ 11,885 29,627
33312016D5	Rough-terrain forklifts (integral units only), telescopic handlers, 2- and 4-wheel drive	2009 2008	5		719 4,000	52,595 260,950
33312016E5	Scraper bowls	2009 2008	3		(D) 742	(D) 95,699
33312016J4	Ditchers and trenchers, self-propelled (integral units only), ladder-type digging element, no more than 5,000 lbs gross weight	2009 2008	3		(D) (D)	(D) (D)
33312016J7	Ditchers and trenchers, self-propelled (integral units only), ladder-type digging element, more than 5,000 lbs gross weight	2009 2008	3		(D) (D)	(D) (D)
33312016J9	Ditchers and trenchers, self-propelled (integral units only), wheel-type digging element	2009 2008	2		(D) (D)	(D) (D)
3331201 (pt.)	Total construction machinery for mounting on tractors, and other prime movers, excluding winches and materials-handling equipment and parts	2009 2008	(X)		(D) (D)	(D) (D)
3331201782	Backhoes, either shipped for mounting separately or already mounted on an integral unit	2009 2008	8		7,188 14,946	a/ 39,497 118,623
3331201799	Other construction machinery for mounting, 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 (excluding winches and materials-handling equipment)	2009 2008	30		(D) (D)	(D) (D)
3339237 (pt.)	Total winches, aerial work platforms, automotive wrecker hoists, and parts	2009 2008	(X)		342,207 (D)	a/ 2,874,793 (D)
3339237110	Personnel aerial work platforms (excluding parts)	2009 2008	14		(D) a/ 100,520	(D) b/ 3,302,421
3339237231	Winches for mounting on wheel and machinery for mounting, winches (towing, logging, and oil-field types), excluding parts	2009 2008	10		(D) (D)	(D) (D)

3339237239	Crawler tractors and other prime movers (complete units), and other materials-handling machinery for mounting	2009	5	1,518	50,846
		2008		(D)	(D)

Table 3. Shipments, Exports, and Imports of Selected Construction Machinery: 2009 and 2008
 [Quantity in number of units. Value in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments quantity	Manufacturers' shipments value (f.o.b plant)	Exports of domestic merchandise 2/ (value at port)	Imports for consumption 3/ 4/
3331201550	Construction wheel and crawler tractors, dozers, and self-propelled wheeled log skidders	2009	(D)	(D)	662,273	138,649
		2008	(D)	(D)	884,423	428,831
333120147T	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid steer	2009	(D)	(D)	695,089	299,907
		2008	(D)	(D)	1,776,040	612,668
3331201460	Skid steer loaders, 4-wheel drive skid steer, all sizes	2009	39,329	1,077,008	61,984	45,501
		2008	77,654	2,018,350	132,032	134,549
333120111T	Excavators, hydraulic-operated, crawler-mounted	2009 c/	11,305 a/	719,605	252,860	442,971
		2008	34,600	2,681,475	633,500	1,487,936
333120115T	Cranes, hydraulic-operated, telescopic boom, wheel cranes (integral), multiple control stations, rubber-mounted and pinned-on type, telescopic and articulated	2009	(D)	(D)	165,298	367,891
		2008	(D)	(D)	331,651	379,874
333120117T	Wheel cranes, one control station, self-propelled, rubber-mounted,	2009	(D)	(D)	85,191	6,817
		2008	(D)	(D)	156,625	12,756
3331201194	Other cranes and excavators, pedestal or shipmounted marine cranes	2009	86	53,604	56,960	4,677
		2008	(D)	(D)	66,248	16,370
333120113T	All terrain cranes, and all other cranes and excavators, including locomotive wrecking, cable-operated excavators, and draglines	2009	(D)	(D)	274,073	278,843
		2008	(D)	(D)	685,618	598,129
33312011A7	Clamshell/grapple attachments all sizes (sold separately) for power cranes, draglines, and excavators	2009	1,725	14,258	3,243	8,043
		2008 a/r/	1,405 r/	20,956	5,483	18,313
33312011A5	Dragline bucket attachments all sizes (sold separately) for power cranes, draglines, and excavators	2009	(X)	31,707	0	2,487
		2008	(X)	53,546	0	2,832
333120122T	Concrete, and mortar mixers, all sizes including concrete batching plants, bin and batch, for concrete aggregate only and bulk cement	2009	(D)	(D)	28,584	23,564
		2008	(D)	(D)	52,003	46,265
333120123T	Slipform concrete paving machines, concrete trowels, and concrete screeds (hand-propelled or winch type)	2009	(D)	(D)	84,613	4,642
		2008	(D)	(D)	113,469	5,148
333120126T	Bituminous distributors, pavers (self-propelled), and cold planers/milling machines (self-propelled)	2009	(D)	(D)	55,726	11,367
		2008	(D)	(D)	80,291	22,261
333120128T	Asphalt plants and bituminous stabilization mixing equipment (including cold mix central plants)	2009	(D)	(D)	84,540	1,333
		2008 b/	349 b/	343,354	94,303	981
33312016E5	Scraper bowls	2009	(D)	(D)	11,469	1,570
		2008	742	95,699	9,900	893
333120168T	Vibratory drums, rollers, and compactors	2009	(D)	(D)	87,614	64,088
		2008	15,749	967,408	239,776	144,793
333120167T	Rollers, motor graders, light maintainers and compactors (static smooth steel wheel rollers, tandem) and pneumatic tire rollers	2009	(D)	(D)	38,146	6,646
		2008	(D)	(D)	75,065	13,894
3331201371	Off-highway rear dump haulers	2009	1,275	1,516,814	2,095,368	108,922
		2008	2,990	2,298,088	3,469,382	642,899
3331201376	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers, and wagons	2009	1,863 c/	310,309	134,119	27,446
		2008	2,290	340,802	217,727	50,465
3339237231	Winches for mounting on wheel and machinery for mounting, winches (towing, logging, and oil-field types)	2009	(D)	(D)	(S)	(S)
		2008	(D)	(D)	(S)	(S)
3331201782	Backhoes, either shipped for mounting separately or already mounted on an integral unit	2009	7,188 a/	39,497	39,349	5,525
		2008	14,946	118,623	124,593	13,791
333120179T	Other construction machinery for mounting, including sidebooms, pipehandlers, dozers, front-end loaders, rippers, rooters, and crawler tractors and other prime movers (complete units), and other materials-handling machinery for mounting	2009	(D)	(D)	55,273	52,426
		2008	(D)	(D)	95,325	117,261
33312016JT	Ditchers and trenchers, self-propelled (integral units only), ladder-type digging element, all sizes	2009	(D)	(D)	(S)	(S)
		2008	(D)	(D)	(S)	(S)
33312016J9	Ditchers and trenchers, self-propelled (integral units only), wheel-type digging element	2009	(D)	(D)	16,820	8,686
		2008	(D)	(D)	38,335	10,799

Footnotes:
 1/ For comparison of North American Industry Classification System (NAICS)- based product codes with Schedule B export codes and HTSUSA import codes, see Table 4.
 2/ Source: Bureau of Census report EM 545, U.S. Exports.
 3/ Source: Bureau of Census report IM 145, General Imports, and IM 146, U.S. Imports for Consumption
 4/ 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 the North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2009

Combined code	Product code	Product description	Export code 1/	Import code 2/
3331201550	3331201550	Construction wheel and crawler tractors, dozers, and self-propelled wheeled log skidders	8701.90.1001	8701.90.1001
			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			
333120147T	3331201471 3331201475 3331201479 3331201483	Wheel loaders, rear engine mount, integral design, 4-wheel drive, non-skid 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
			8429.51.1055	8429.51.1055
3331201460	3331201460	Skid steer loaders, 4-wheel drive skid steer, all sizes	8429.51.1060	8429.51.1060
333120111T	3331201111 3331201114 3331201117	Excavators, hydraulic-operated, crawler-mounted	8429.52.1010	8429.52.1010
333120115T	3331201157 3331201158 3331201167	Cranes, hydraulic-operated, telescopic boom, wheel cranes (integral), multiple control stations, rubber-mounted and pinned-on type, telescopic and articulated	8705.10.0050	8705.10.0050
333120117T	3331201171 3331201175	Wheel cranes, one control station, self-propelled, rubber-mounted,	8426.41.0090	8426.41.0090
3331201194	3331201194	Other cranes and excavators, pedestal or shipmounted marine cranes	8426.30.0000	8426.30.0000
333120113T	3331201185 3331201199	All terrain cranes, and all other cranes and excavators, including locomotive wrecking, cable-operated excavators, and draglines	8426.49.0010	8426.49.0010
			8426.41.0010	8426.41.0010
			8705.10.0010	8705.10.0010
			8426.49.0090	8426.49.0090
			8429.52.1020	8429.52.1020
33312011A7	33312011A7	Clamshell/grapple attachments all sizes (sold separately) for power cranes, draglines, and excavators	8431.41.0040	8431.41.0040
33312011A5	33312011A5	Dragline bucket attachments all sizes (sold separately) for power cranes, draglines, and excavators	8431.41.0060	8431.41.0060
333120122T	3331201222 3331201231 3331201247	Concrete, and mortar mixers, all sizes including concrete batching plants, bin and batch, for concrete aggregate only and bulk cement	8474.31.0000	8474.31.0000
333120123T	3331201233 3331201239 3331201244	Slipform concrete paving machines, concrete trowels, and concrete screeds (hand-propelled or winch type)	8479.10.0040	8479.10.0040
333120126T	3331201266 3331201271 3331201275 3331201289	Bituminous distributors, pavers (self-propelled), and cold planers/milling machines (self-propelled)	8479.10.0060	8479.10.0060
333120128T	3331201283 3331201286	Asphalt plants and bituminous stabilization mixing equipment (including cold mix central plants)	8474.32.0000	8474.32.0000
33312016E5	33312016E5	Scraper bowls	8431.49.9045	8431.49.9045

333120168T	3331201687 3331201689 3331201692 3331201693 33312016A6	Vibratory drums, rollers, and compactors	8429.40.0020	8429.40.0020
333120167T	3331201670 3331201682	Rollers, motor graders, light maintainers and compactors (static smooth steel wheel rollers, tandem) and pneumatic tire rollers	8429.20.0000 8429.40.0040	8429.20.0000 8429.40.0040
333120137I	3331201371	Off-highway rear dump haulers	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	3331201376	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers, and wagons	8704.10.1000 8704.10.5060	8704.10.1000 8704.10.5060
333923723I	3339237231	Winches for mounting on wheel and machinery for mounting, winches (towing, logging, and oil-field types), excluding parts	8425.31.0100 8425.39.0100	8425.31.0100 8425.39.0100
3331201782	3331201782	Backhoes, either shipped for mounting separately or already mounted on an integral unit	8431.49.9005	8431.49.9005
333120179T	3331201799 3339237239	Other construction machinery for mounting, including sidebooms, pipehandlers, dozers, front-end loaders, rippers, rooters, and crawler tractors and other prime movers (complete units), and other materials-handling machinery for mounting	8428.90.0030 8431.42.0000 8431.49.9010 8431.49.9015	8428.90.0030 8431.42.0000 8431.49.9010 8431.49.9015
33312016JT	33312016J4 33312016J7	Ditchers and trenchers, self-propelled (integral units only), ladder-type digging element, all sizes	8429.59.5020	8429.59.5020
33312016J9	33312016J9	Ditchers and trenchers, self-propelled (integral units only), wheel-type digging element	8429.59.5040	8429.59.5040

1/ Source: 2009 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2009).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on construction machinery since 1942.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.