



Cat® 2015 Product Line Brochure



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NOTE: All engine horsepower (hp) units listed in document are Imperial measurements.

Backhoe Loaders



Center Pivot

Model	Net Power		Operating Weight		Dig Depth	
	hp	kW	lb	kg	ft-in	mm
416F	87	65	14,953	6783	14'4"	4360
420F	93	69	15,395	6983	14'4"	4360
430F	107	80	15,708	7125	15'5"	4698
450F	127	95	24,141	10,950	17'3"	5260

Compact Track Loaders



Model	Net Power		Operating Weight		Operating Capacity		Ground Pressure	
	hp	kW	lb	kg	lb	kg	psi	kPa
259D	73.2	54.6	8,945	4057	2,900	1315	4.8	33.4
279D	72.9	54.4	9,893	4487	2,935	1331	4.4	30.0
289D	72.9	54.4	10,533	4778	3,800	1724	4.6	32.0
299D	95	71	10,718	4862	4,250	1928	4.4	30.1
299D XHP	106	79	11,612	5267	4,650	2109	5.3	36.7

Note: At 50% tipping load

Skid Steer Loaders



Model	Net Power		Rated Operating Capacity		Operating Weight	
	hp	kW	lb	kg	lb	kg
226B Series 3	56	42	1,500	680	5,822	2641
236D	73.2	54.6	1,800	818	6,559	2975
242D	73.2	54.6	2,150	975	6,980	3166
246D	72.9	54.4	2,150	975	7,424	3368
262D	72.9	54.4	2,700	1225	8,011	3634
272D	95	71	3,200	1451	8,252	3743
272D XHP	106	79	3,700	1678	9,137	4144

Wheel Loaders



Compact

Model	Gross Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
903C	42	31	9,150	4150	0.8-1.3	0.6-1.0
906H2	69	52	12,412	5630	1.6	1.2
907H2	69	52	12,809	5810	1.6	1.2
908H2	69	52	14,253	6465	2.0	1.5
910K	93	70	15,714	7130	3.3	2.5
914K	96	72	17,910	8126	3.3	2.5

Multi Terrain Loaders



Model	Net Power		Operating Weight		Operating Capacity		Ground Pressure	
	hp	kW	lb	kg	lb	kg	psi	kPa
247B Series 3	56	42	6,997	3174	2,150	975	4.0	27.3
257D	73.2	54.6	8,048	3651	2,800	1270	4.5	31.3
277D	72.9	54.4	9,293	4215	3,290	1492	3.6	25.0
287D	72.9	54.4	9,929	4504	4,000	1814	3.9	26.7
297D	95	71	10,120	4590	4,550	2063	4.5	31.2
297D XHP	106	79	10,814	4905	5,000	2268	4.8	33.4

Note: At 50% tipping load

Small



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
924K	142	106	28,360	12,868	2.5-6.5	1.9-5.0
930K	156	116	30,479	13,829	2.7-6.5	2.1-5.0
938K	170	127	35,104	15,928	3.3-6.5	2.5-5.0

Note: Net power is based on ISO 9249

Medium Wheel Loaders



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
950M¹	230	171	42,357	19 213	3.3-12.0	2.5-9.2
962M¹	250	186	44,591	20 226	3.3-12.0	2.5-9.2
966M¹	276	206	51,176	23 220	3.25-12.0	2.5-9.2
966M XE^{1,2}	278	207	51,080	23 220	4.2-9.3	3.2-7.1
972M¹	299	223	54,871	24 896	3.75-13.0	2.9-9.9
972M XE^{1,2}	300	224	54,930	24 970	4.5-13.0	3.4-9.9
980M¹	386	288	66,318	30 090	5.25-16.0	4.2-12.2
982M¹	392	292	78,382	35 563	6.0-15.75	4.6-12.0

¹ Meets U.S. EPA Tier 4 Final emission standards

² With Cat continuously variable transmission

Note: Net power is based on SAE J1349.

Large Wheel Loaders



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
986H	409	305	93,090	42 225	7.0-8.0	5.3-6.1
988K	541	403	112,574	51 062	8.3-10.0	6.4-7.7
990K	699	521	178,517	80 974	11.25-13.0	8.6-10.0
992K	814	607	220,089	99 831	14.0-16.0	10.7-12.3
993K	973	726	294,800	133 637	16.0-31.0	12.2-23.7
994H	1,463	1092	430,858	195 434	18.5-47.0	14.0-36.0

Note: Meets Tier 4 Final emission standards

Steel Mill Arrangements



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
972K¹	288	215	57,072	26 593	4.5	3.44
980K¹	369	274	69,286	32 177	5.0	3.82
988K¹	541	403	112,574	51 062	8.3-10.0	6.4-7.7
990K¹	699	521	204,693	92 848	11.2-12.0	8.6-9.2

¹ Meets Tier 4 Final emission standards

Note: Cat engine with ACERT™ Technology – meets Tier 4 Final emission standards.

Waste/Scrap Handling Arrangements



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
950M WHA	230	171	42,357	19 213	6.75	5.2
962M WHA	250	186	44,591	20 226	6.75	5.2
966M WHA	278	207	51,080	23 220	8.5	6.5
966M XE WHA	278	207	51,080	23 220	8.5	6.5
972M WHA	300	224	54,930	24 970	8.5	6.5
972M XE WHA	300	224	54,930	24 970	8.5	6.5
980M WHA	386	288	66,200	30 090	14.5	11.0

Note: Net power is based on SAE J1349.

Cat engine with ACERT Technology – meets Tier 4 Final emission standards.

Block Handler Arrangements



Model	Net Power		Operating Weight		Lift Capacity (Ground Level)	
	hp	kW	lb	kg	lb	kg
986H Block	409	305	106,768	48 429	81,571	37 000
988K Block¹	541	403	135,602	61 508	119,049	54 000
988H Block	501	373	128,328	58 330	119,049	54 000

¹ Meets Tier 4 Final emission standards

Note: CEN EN 474-3 firm and level ground – 80% FTSTL

Cat engine with ACERT Technology – meets Tier 4 Interim emission standards.

Telehandlers



Model	Power		Operating Weight		Rated Capacity		Lift Height	
	hp	kW	lb	kg	lb	kg	ft-in	m
TH255C	74	55	11,000	4999	5,500	2500	18'4"	5.6
TL642C¹	100.6	75	21,245	9637	6,500	2948	42'0"	12.8
TL943C¹	111.3	83	26,525	12 032	9,000	4082	43'0"	13.1
TL1055C¹	142.1	106	34,160	15 495	10,000	4536	55'1"	16.8
TL1255C¹	142.1	106	35,860	16 267	12,000	5443	54'3"	16.6
TH406C¹	124/142	92.6/106	17,055	7736	7,275	3300	20'0"	6.1
TH407C¹	124/142	92.6/106	17,507	7941	7,275	3300	24'0"	7.3
TH514C	101	75	24,890	11 290	11,021	4999	44'9"	13.7

¹ Cat engine with ACERT Technology – meets Tier 4 Interim emission standards.

Track Drills



Model	Hole Diameter		Hole Depth		Compressor		Rock Drill	
	in	mm	ft	m	ft ³ /min	m ³ /min	hp	kW
MD5050	2.5-4	64-102	102.5	31.2	250	7.1	25	19
MD5050 T	2.5-4	64-102	102.5	31.2	250	7.1	25	19
MD5075	3-5	76-127	102.5	31.2	350	9.8	25/ 31 ¹	19/ 23 ¹
MD5090	3-5	76-127	72.5	22.1	300	8.5	25/ 31 ¹	19/ 23 ¹
MD5150C	4-6	102-152	102.5	31.2	534	15.0	38/ 40 ¹ / 43 ¹	28/ 30 ¹ / 32 ¹

¹ Optional Rock Drill upgrade

Rotary Drills



Model	Bit Load up to		Hole Diameter		Hole Depth Single-Pass		Working Weight	
	lb	kg	in	mm	ft	m	lb	kg
MD6240¹	52,911	24 000	6.0- 9.63	152- 244	42.0- 52.0	12.8- 15.8	161,850	73 414
MD6290²	60,000	27 215	6.0- 9.63	152- 244	28.2- 36.1	8.6- 11.0	135,943	61 662
MD6420³	94,521	42 847	9.0- 12.25	229- 311	33.8- 54.0	10.3- 16.5	201,723	91 500
MD6420B³	92,594	42 000	9.0- 12.25	229- 311	54.0	16.46	201,723	91 500
MD6540⁴	119,050	54 000	10.63- 15.0	270- 381	53.0- 65.6	16.2- 19.9	288,806	131 000
MD6640⁵	141,096	64 000	10.63- 13.75	270- 349	60.0- 70.0	18.3- 21.3	339,512	154 000

¹ Multi-Pass Hole Depth – up to 182 ft (55.5 m)

² Multi-Pass Hole Depth – up to 173 ft (52.7 m)

³ Multi-Pass Hole Depth – up to 244 ft (74.4 m)

⁴ Multi-Pass Hole Depth – up to 278 ft (84.7 m)

⁵ Multi-Pass Hole Depth – up to 140 ft (42.6 m)

Draglines



Model	Bucket Capacity		Boom Length		Rated Suspension Load		Approx. Working Weight	
	yd ³	m ³	ft	m	lb	kg	mil. lb	mil. kg
8000	35- 42	27- 32	250- 315	76.2- 96.0	175,000- 210,000	79 379- 95 524	3.9	1.8
8200	60- 80	46- 61	328	100	300,000- 400,000	136 077- 181 437	8.5- 9.1	3.8- 4.1
8750	100- 152	76- 116	360- 435	109.7- 132.5	500,000- 760,000	226 800- 344 736	13.1- 15.9	5.9- 7.2

Electric Rope Shovels



Model	Payload		Dipper Capacity		Haul Trucks			
	tons	tonnes	yd ³	m ³	3-Pass Load		4-Pass Load	
	tons	tonnes	yd ³	m ³	tons	tonnes	tons	tonnes
7295	50	45	25-50	19.1-38.3	150	136	200	181
7395	70	64	27-73	20.7-55.8	200	181	250	227
7495 HD	90	82	36-79	27.5-60.4	250	227	345	313
7495	120	109	40-82	30.6-62.7	345	313	400	363
7495 HF	120	109	40-82	30.6-62.7	345	313	400	363

Hydraulic Shovels



Model	Engine Output		Operating Weight		Bucket Capacity (Heaped 2:1)	
	hp	kW	tons	tonnes	yd ³	m ³
Front Shovel Configurations						
6015 FS	700	522	116	105	9.2	7.0
6018 FS	1,150	858	202	183	13.1	10.0
6030 FS	1,530	1140	324	294	21.6	16.5
6040 FS	2,032	1516	446	405	28.8	22.0
6050 FS	2,520	1880	582	528	34.0	26.0
6060 FS	3,000	2240	627	569	44.5	34.0
6090 FS	4,500	3360	1,080	980	68.0	52.0
Model	Engine Output		Operating Weight		Bucket Capacity (Heaped 1:1)	
	hp	kW	tons	tonnes	yd ³	m ³
Backhoe Configurations						
6015	700	522	117	106	9.2	7.0
6018	1,150	858	205	186	13.1	10.0
6020B	1,043	778	247	224	15.7	12.0
6030	1,530	1140	326	296	22.2	17.0
6040	2,032	1516	449	407	28.8	22.0
6050	2,520	1880	592	537	36.6	28.0
6060	3,000	2240	628	570	44.5	34.0

Hydraulic Excavators



Mini

Model	Net Power		Operating Weight		Max Reach/Depth	
	hp	kW	lb	kg	ft-in	mm
300.9D	13	9.6	2,060	935	9'11"/5'8"	3028/1731
301.4C	17.7	13.2	3,241	1470	12'2"/7'4"	3650/2240
301.7D	17.7	13.2	3,792	1720	12'2"/7'3"	3700/2200
301.7D CR	17.7	13.2	3,726	1690	12'7"/7'7"	3842/2321
302.4D	17.7	13.2	5,115	2320	13'2"/7'11"	4020/2400
302.7D CR	20.7	15.2	5,886	2670	14'8"/8'4"	4481/2544
303E CR	23.5	17.5	7,782	3530	16'3"/9'0"	4810/2750
303.5E2 CR	23.5	17.5	8,209	3723	16'7"/9'5"	5060/2880
304E2 CR	40.2	30	8,906	4039	17'2"/10'4"	5220/3120
305E2 CR	40.2	30	11,334	5140	18'4"/10'9"	5600/3280
305.5E2 CR	44.1	32.9	11,863	5380	19'0"/11'5"	5790/3470
308E2 CR SB	65	48.5	18,519	8400	22'9"/13'7"	6820/4150



Model	Net Power		Operating Weight		Max Reach/Depth	
	hp	kW	lb	kg	ft-in	m
311F LRR²	70	52	30,600	13 900	26'7"/18'4"	8.1/5.5
312E L¹	90	67	29,430	13 350	28'3"/19'10"	8.6/6.0
314E LCR¹	89	67	32,600	14 800	28'6"/19'6"	8.7/5.9
316E L¹	113	85	38,801	17 600	30'5"/21'7"	9.2/6.6
318E L¹	113	85	41,010	18 600	30'5"/21'7"	9.2/6.6
320E LRR¹	152	113	53,790	24 400	32'4"/22'1"	9.8/6.7
321D LCR	148	110	53,704	24 360	32'1"/22'0"	9.7/6.6
323F L²	161	120	56,000	25 400	32'4"/22'1"	9.8/6.7
326F L²	200	149	56,580	25 670	33'2"/22'4"	10.1/6.8
329F L²	235	175	64,750	29 370	35'0"/23'9"	10.6/7.2
335F LCR²	200	149	79,880	36 230	34'11"/22'11"	10.6/6.9
336F L²	303	226	86,600	39 300	38'5"/26'10"	11.7/8.1
336E LH Hybrid¹	308	230	82,000	37 200	38'5"/26'10"	11.7/8.1
349F L²	396	295	116,600	52 900	42'6"/29'4"	12.9/8.9
374F L²	472	352	161,376	73 199	46'8"/31'7"	14.2/9.6
390F L²	524	391	199,745	90 603	56'7"/39'9"	17.2/11.8

¹ Meets Tier 4 Interim emission standards

² Meets Tier 4 Final emission standards

Mass Excavators



Model	Net Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
336F L ME	303	226	88,400	40 100	3.52	2.69
349F L ME	396	295	112,400	51 000	4.48	3.43
374F L ME	472	352	165,714	75 167	7.0	5.3
390F L ME	524	391	202,874	92 022	7.9	6.0

Note: Meets Tier 4 Final emission standards

Super Long Reach Excavation

Model	Net Power		Operating Weight		Max Reach/Depth	
	hp	kW	lb	kg	ft-in	m
323F L SLR	161	120	53,100	24 100	51'7"/38'4"	15.7/11.6
326F L SLR	200	149	64,830	29 400	60'6"/48'4"	18.4/14.7
329F L SLR	235	175	68,180	30 930	60'5"/48'5"	18.4/14.7

Note: Meets Tier 4 Final emission standards

Wheel Hydraulic



Model	Net Power		Max Operating Weight		Max Reach/Depth	
	hp	kW	lb	kg	ft-in	m
M313D¹	128	95	35,715	16 200	30'3"/18'11"	9.21/5.75
M315D¹	136	101	40,345	18 300	31'4"/19'4"	9.56/5.90
M318F²	171	126	42,549	19 700	31'5"/19'8"	9.58/5.99
M320F^{2,3}	171	126	46,385	20 650	32'1"/20'9"	9.75/6.33
M322D^{1,3}	165	123	49,604	22 500	34'4"/21'11"	10.49/6.68

¹ Meets Tier 3 equivalent emission standards

² Meets Tier 4 Final emission standards

³ Material Handler versions of the M320F (MH3022) and M322D (M322D MH) are available

Note: Maximum digging depth with longest boom/stick options

Note: Net power is based on ISO 9249

All engine horsepower (hp) are metric



Track Material Handlers

Model	Net Power		Operating Weight		Max Reach/Height	
	hp	kW	lb	kg	ft-in	m
385C MH	513	382	203,000	92 060	56'6"/53'3"	17.2/16.2
385C MH	513	382	203,000	92 060	71'6"/74'0"	21.8/22.6



Wheel Material Handlers

Model	Net Power		Max Operating Weight		Max Reach/Height	
	hp	kW	lb	kg	ft-in	m
M313D⁴ Ind¹	129	95	34,835	15 800	26'0"/28'0"	7.9/8.5
M315D⁴ Ind¹	136	101	40,212	18 240	27'6"/29'5"	8.37/8.97
M318F⁵ Ind^{1,3}	171	126	42,549	19 700	27'6"/29'5"	8.37/8.97
M320F⁵ Ind^{1,3}	171	126	46,385	20 650	28'0"/28'3"	8.5/8.6
MH3022⁵	171	126	50,693	23 000	36'1"/39'7"	11.0/12.06
M322D MH⁴	165	123	56,659	25 700	41'0"/43'8"	12.48/13.3
M325D MH^{4,6}	190	140	72,752	33 000	47'3"/52'6"	14.4/16.0
M325D MH^{2,4,6}	190	140	73,854	33 500	48'7"/15'10"	14.8/15.5
M325D L MH^{4,7}	204	152	81,571	37 000	50'10"/56'9"	15.5/17.3
M325D L MH^{2,4,7}	204	152	82,673	37 500	51'10"/54'6"	15.8/16.6
MH3037⁴	225	168	82,900	37 600	52'0"/58'0"	15.9/17.7
MH3049⁴	300	224	111,000	50 349	58'5"/64'0"	17.8/19.5
MH3059⁴	325	242	130,000	58 967	63'5"/70'5"	19.3/21.5

¹ Industrial Stick

² Barge boom 32.48 ft (9.9 m)

³ Available mid-2015

⁴ Meets Tier 3 equivalent emission standards

⁵ Meets Tier 4 Final emission standards

⁶ Reach/Height based on Stick Length: 18.7 ft (5.7 m)

⁷ Reach/Height based on Stick Length: 23.3 ft (7.1 m)

Note: Net power is based on ISO 9249

All engine horsepower (hp) are metric



Waste Handler

Model	Net Power		Max Operating Weight		Max Reach/Height	
	hp	kW	lb	kg	ft-in	m
MH3022 WH¹	171	126	46,165	21 000	32'9"/36'2"	9.99/11.02

¹ Meets Tier 4 Final emission standards

Note: Net power is based on ISO 9249

All engine horsepower (hp) are metric

Track Loaders



Model	Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
953D	148	110	34,209	15 517	2.42	1.85
963D	189	141	44,577	20 220	3.2	2.45
973D	263	196	61,857	28 058	4.19	3.2

Note: Includes GP bucket plus long bolt-on teeth and segments

Waste Handler

Model	Power		Operating Weight		Bucket Capacity	
	hp	kW	lb	kg	yd ³	m ³
953D WH	148	110	35,494	16 100	3.0	2.3
963D WH	189	141	46,297	21 000	4.05	3.1
973D WH	263	196	65,157	29 555	6.4	4.9

Note: Includes GP Landfill bucket with bottom cutting edge



Track-Type Tractors

Model	Power		Operating Weight		Blade
	hp	kW	lb	kg	
D3K2 XL^{1,3}	80	59.7	17,465	7922	VPAT
D3K2 LGP^{1,3}	80	59.7	18,442	8365	VPAT
D4K2 XL^{1,3}	92	68.8	18,007	8168	VPAT
D4K2 LGP^{1,3}	92	68.8	18,686	8476	VPAT
D5K2 XL^{1,3}	104	77.6	20,313	9214	VPAT
D5K2 LGP^{1,3}	104	77.6	20,992	9522	VPAT
D6K2 XL/LGP^{1,2}	130	97	29,346-30,750	13 311-13 948	VPAT
D6N XL/LGP^{1,2}	150	112	36,392-39,895	16 507-18 096	SU, VPAT
D6T XL/XW/LGP^{1,3}	207	154	46,263-53,651	20 985-24 336	S, SU, A, VPAT
D7E STD/LGP^{1,3}	238	178	57,441-62,886	26 055-28 525	S, SU, U, A
D8T STD/LGP³	312	233	82,496-86,900	37 420-39 420	SU, U, A
D9T^{3,4}	436	325	106,618	48 361	SU, U
D10T^{2,3,4,5}	600	447	154,700	70 171	SU, U
D11T^{3,4}	850	634	229,800	104 236	SU, U
D11T Carrydozer^{3,4}	850	634	248,500	112 718	CD

¹ Available with MS ripper

² Meets Tier 4 Interim emission standards

³ Meets Tier 4 Final emission standards

⁴ Available with MS ripper, SS ripper, counterweight

⁵ Power Management: Reverse 722 hp/538 kW

Note: Winch available for D3K to D10T2

Track-Type Tractors



Waste Handlers

Model	Power		Operating Weight		Blade
	hp	kW	lb	kg	
D6N WH XL/LGP¹	150	112	38,119-43,237	17 290-19 612	SU-XL, VPAT
D6T WH XL/XW/LGP²	207	154	51,121-59,457	23 237-27 026	S, SU, A, VPAT
D7E WH LGP²	235	175	68,600	31 116	S
D8T WH STD/LGP²	317	237	85,650-91,270	38 887-41 436	SU, U
D9T WH²	436	325	110,471	50 109	SU, U

¹ Meets Tier 4 Interim emission standards

² Meets Tier 4 Final emission standards

Landfill Compactors



Model	Gross Power		Operating Weight		Blade Width Over End Bits	
	hp	kW	lb	kg	ft-in	mm
816F2¹	253	189	52,364	23 748	12'0"	3657
826K²	405	302	90,207	40 917	14'9"	4502
836K²	562	419	123,319	55 927	17'0"	5193

¹ Meets Tier 3 equivalent emission standards

² Meets Tier 4 Final emission standards

Soil Compactors



Model	Net Power		Operating Weight		Blade Width Over End Bits	
	hp	kW	lb	kg	ft-in	mm
815F2¹	232	173	45,765	20 755	12'4"	3761
825K²	405	302	78,326	35 528	15'2"	4628

¹ Meets Tier 3 equivalent emission standards

² Meets Tier 4 Final emission standards

Wheel Dozers



Model	Net Power		Operating Weight		Blade Width	
	hp	kW	lb	kg	ft-in	mm
814F2¹	232	173	47,877	21 713	11'8"	3556
824K²	405	302	74,966	34 004	14'9"	4507
834K	496	370	105,271	47 750	16'8"	5074
844K²	699	521	165,089	74 883	17'4"	5278
854K³	801	597	216,273	98 199	21'8"	6321

¹ Meets Tier 3 equivalent emission standards

² Meets Tier 4 Final emission standards

³ Serial Number Prefix 880 (meets Tier 4 Final emission standards) and ZMX (meets Tier 2 equivalent emission standards)

Wheel Dozer Scoops



Model	Net Power		Operating Weight		Scoop Capacity	
	hp	kW	lb	kg	yd ³	m ³
834K Coal	496	370	120,230	54 535	30	23.0
834K Chip	496	370	120,230	54 535	35	27.0

Motor Graders



M Series

Model	Base Power		Maximum Net Power with Optional VHP+		Operating Weight Typically Equipped		Standard Blade Length	
	hp	kW	hp	kW	lb	kg	ft	m
140M¹	183	136	233	174	41,868	18 991	12	3.7
140M AWD¹	223	166	268	200	43,834	19 883	12	3.7
160M¹	213	159	248	185	43,464	19 715	12	3.7
160M AWD¹	223	166	200	268	45,432	20 607	12	3.7
14M	259	193	294	219	53,738	24 375	14	4.3
16M	297	221	332	248	67,338	30 544	16	4.9
24M²	533	397	–	–	145,152	65 840	24	7.3

¹ Available in Canada

² Ripper is standard on 24M and is included in the operating weight

M Series 2



Model	Base Power		Maximum Power with VHP+		Operating Weight Typically Equipped		Standard Blade Length	
	hp	kW	hp	kW	lb	kg	ft	m
120M2	145	108	189	141	39,892	18 095	12	3.7
120M2 AWD	153	114	209	156	41,859	18 987	12	3.7

Note: Meets Tier 4 Interim emission standards

M Series 3



Model	Base Power		Maximum Power with VHP+		Operating Weight Typically Equipped		Standard Blade Length	
	hp	kW	hp	kW	lb	kg	ft	m
12M3	179	133	231	172	42,646	19 344	12	3.7
12M3 AWD	200	149	252	188	44,613	20 236	12	3.7
140M3	200	149	252	188	43,949	19 935	12	3.7
140M3 AWD	220	164	272	203	45,276	20 537	12	3.7
160M3	221	165	272	203	43,837	19 884	14	4.2
160M3 AWD	241	180	293	219	45,803	20 776	14	4.2

Note: Meets Tier 4 Final emission standards

Wheel Tractor-Scrapers



Model	Power		yd ³	Capacity Rated Load		
	hp	kW		m ³	ton	tonne
621K	407	304	24	18.4	28.8	26.1
623K	407	304	23	17.6	27.6	25.1
627K	(T) 407 (S) 290	304 216	24	18.4	28.8	26.1
631G	462/500	345/373	34	26	40.8	37.1
637G	(T) 462/500 (S) 266/283	345/373 198/211	34	26	40.8	37.1
637G (Coal Bowl)	(T) 462/500 (S) 266/283	345/373 198/211	50	38	38	34.5
657G	(T) 564/600 (S) 410/451	421/447 306/337	44	33.6	52	47.3
657G (Coal Bowl)	(T) 564/600 (S) 410/451	421/447 306/337	73	56	55	50

Articulated Trucks



Model	Net Power (ISO 14396)		Operating Weight – Empty		Body Capacity	
	hp	kW	lb	kg	tons	m/ton
725C	316	236	51,191	23 220	26	23.6
730C	370	276	53,131	24 100	31	28
730C EJ	370	276	59,084	26 800	31	28
735C	447	333	69,446	31 500	36	32.7
740C EJ	504	376	79,366	36 000	42	38
745C	504	376	73,634	33 400	45.2	41

Note: All models meet Tier 4 Final emission standards

Cat Articulated Truck Bare Chassis for Specialty Applications



Model	Rated Load		Empty		Loaded		Water Tank Size (Approx)	
	tons	m/ton	tons	m/ton	tons	m/ton	gal	L
Standard Wheel Base – With Hoist								
725C²	29.6	26.8	22.0	20.0	51.6	46.8	5,000	19 000
730C²	34.9	31.6	22.6	20.5	57.4	52.1	6,000	22 700
735B¹	42.1	38.2	31.0	28.1	73.0	66.3	7,000	26 500
740B¹	51.8	47.0	32.2	29.2	84.0	76.2	8,000	30 300
Long Wheel Base – With Hoist								
725C²	28.6	25.9	23.0	20.9	51.6	46.8	6,000	22 700
730C²	33.9	30.7	23.6	21.4	57.4	52.1	7,000	26 500
735B¹	40.8	37.0	32.2	29.3	73.0	66.3	8,000	30 300
740B¹	50.5	45.8	33.5	30.4	84.0	76.2	9,000	34 000

¹ Meets Tier 4 Interim emission standards

² Meets Tier 4 Final emission standards

Note: Water tank sizes listed are estimated based on typical OEM tanks currently available. Please refer to specific OEM for additional information.

Rated Load – Rated payload including OEM additions

Empty – Operating weight of bare chassis machine, excluding options

Loaded – Weight of the fully loaded machine, excluding options

B Series HRC weights shown

Note: Bare Chassis applications could include: Water, Service (Fuel & Lube), High Capacity Body (Waste, Coal, etc.), Open Body (Log, Pipe, etc.), Container Carrier, Hook Lift, Tow, Cable Reel, etc.

Bare Chassis are available with or without hoist.



On-Highway Trucks

Model	BHP @ 1700 rpm		Chassis	BBC	Maximum GVWR	
	hp	kW			lb	kg
CT660 SBA	365-475	272-354	4x4	122	49,120	22 280
			6x4	116, 122	79,280	35 960
			6x6	122	74,880	33 965
			8x6	116, 122	75,000	34 019

Off-Highway Trucks



Model	Gross Power		Nominal Capacity		Top Speed	
	hp	kW	tons	m/ton	mph	km/h
770G	515	384	40.5	36.7	45.7	73.5
772G	605	451	48.6	44.1	49.5	79.7
773G	775	578	61	55.5	38.6	62.2
775G	825	615	70	63.5	41.6	66.9
777G	1,025	765	100	90.4	39.9	60.4

Note: The 770G, 772G, 773G, 775G and 777G are available as Tier 4 Final or Tier 2 Equivalent.

Cat OHT Truck Bare Chassis for Specialty Applications



Model	Gross Power		Water Tank Size	
	hp	kW	gal	L
Off-Highway				
770G WTR	515	384	9,000	34 069
772G WTR	605	451	11,000	41 639
773G WTR	775	578	12,000	45 425
775G WTR	825	615	15,000	56 781
777G WTR	1,025	765	20,000	75 708
Mining				
785D WTR	1,450	1082	30,000	113 562
793F WTR	2,650	1976	52,000	196 841

Mining Trucks



Model	Gross Power		Nominal Capacity		Top Speed	
	hp	kW	tons	m/ton	mph	km/h
785D	1,450	1082	150	136	34	55
789D	1,900-2,100	1417-1566	200	181	35.5	57.2
793F	2,270-2,650	1693-1976	250	227	37.3	60
793F AC	2,300-2,750	1715-2051	240	218	40	64
795F AC	3,000-3,400	2237-2536	350	318	40	64
797F	3,550-4,000	2647-2983	400	363	42	67.6
MT5300D AC	2,750-3,500	2051-2610	320	290	37	60

Off-Highway and Mining Truck Bodies

	Flat Floor Body	Dual Slope Body	Quarry Body	X Body	MSD II Body	Gateless Coal Body	Combination Body	HE Body
770G	✓	✓	✓					
772G	✓	✓	✓					
773G	✓	✓				✓		
775G	✓	✓	✓					
777G		✓		✓		✓		
785C	✓	✓		✓		✓	✓	
785D		✓		✓		✓	✓	
789D		✓		✓	✓	✓	✓	
793D	✓	✓		✓	✓	✓		
793F				✓	✓	✓		
795F					✓	✓		
797F					✓			
MT5300D AC								✓

✓	Available
	Not Available

Highwall Mining System



HW300

Weight 495,665 lb (225 000 kg)

Mine Mode Dimensions

Width	38.5 ft (11.7 m)
Height	28.7 ft (8.7 m)
Length	66.5 ft (20.3 m)

Maximum Penetration Capability 1,000 ft (305 m)

Cutter Module Options and Minimum Recommended Seam Heights

Low Profile Cutter Module	30 in (762 mm)
Extra Low Profile Cutter Module	28 in (711 mm)
Mid-Seam Cutter Module	47.2 in (1200 mm)
High-Seam Cutter Module	94.5 in (2400 mm)

Longwall Mining Equipment



Roof Support Systems (custom-made)

Type (examples)	Shield Center		Height		Density	
	in	mm	in	m	ton/ft ²	kN/m ²
RHH Plow Shield	59	1500	21.7-65	0.55-1.65	up to 6.52	up to 700
GH Plow Shield	59/68.9	1500/1750	27.6-94.5	0.7-2.4	up to 10.71	up to 1150
Shearer (low)	68.9/80.7	1750/2050	39.4-118.1	1.0-3.0	up to 10.71	up to 1150
Shearer (high)	68.9/80.7	1750/2050	86.6-236.2	2.2-6.0	up to 11.65	up to 1250
LTCC	68.9/80.7	1750/2050	78.7-185	2.0-4.7	up to 11.18	up to 1200

Shearers



Model	Seam Range		Installed Power		Minimum Pan Width	
	in	m	hp (@ 60 Hz)	kW (@ 50 Hz)	in	mm
EL2000	71-177	1.8-4.6	up to 2,387	up to 1780	40.6	1032
EL3000	98-217	2.5-5.5	up to 3,680	up to 2295	44.6	1132
EL4000	158-276	4.0-7.0	up to 3,680	up to 2295	52.8	1342

Longwall Mining Equipment



Automated Plow Systems

Model	Typical Cutting Height		Installed Power	
	in	m	hp	kW
RHH800	31.5-63	0.8-1.6	2 × 536	2 × 400
GH800	39.4-78.7	1.0-2.0	2 × 536	2 × 400
GH800B	31.5-78.7	0.8-2.0	2 × 536	2 × 400
GH1600	43.3-90.6	1.1-2.3	2 × 1,080	2 × 800



AFC Line Pans

Model	Width Outside		Dogbone Breaking Force		Top Plate Thickness		Average t/h
	in	mm	lbf	kN	in	mm	
PF3	32.36	822	449,618	2000	1.18	30	1300
PF4	36.69/ 40.62/ 44.56	932/ 1032/ 1132	809,312	3600	1.52	40	1800/ 2500/ 3500
PF5	41.02/ 44.96/ 52.83	1042/ 1142/ 1342	1,011,640	4500	1.96	50	2500/ 3500/ 5000
PF6	41.02/ 44.96/ 52.83	1042/ 1142/ 1342	1,011,640	4500	1.18+ 0.98	30+ 25	2500/ 3500/ 5000
PF7	60.71	1542	1,011,640	4500	1.18+ 0.98	30+ 25	6200

Beam Stage Loaders (BSL)



Model	Width Outside		Top Plate Thickness		Dogbone Breaking Force		Production Average per Year	
	in	mm	in	mm	lbf	kN	tons	tonnes
PF4	36.69/ 44.56/ 52.44	932/ 1132/ 1332	1.57	40	809,312	3600	2,204/ 4,189/ 6,063	2000/ 3800/ 5500
PF5	52.83/ 60.71/ 68.58	1342/ 1542/ 1742	1.97	50	1,011,640	4500	6,063/ 6,834/ 7,716	5500/ 6200/ 7000
PF6	52.83/ 60.71/ 68.58	1342/ 1542/ 1742	1.18 + 0.98	30 + 25	1,011,640	4500	6,063/ 6,834/ 7,716	5500/ 6200/ 7000

BSL Line Pans

Model	Width Outside		Top Plate Thickness		Dogbone Breaking Force		Production Average per Year	
	in	mm	in	mm	lbf	kN	tons	tonnes
PF4	36.69/ 44.56/ 52.44	932/ 1132/ 1332	1.57	40	809,312	3600	2,204/ 4,189/ 6,063	2000/ 3800/ 5500
PF5	52.83/ 60.71/ 68.58	1342/ 1542/ 1742	1.97	50	1,011,640	4500	6,063/ 6,834/ 7,716	5500/ 6200/ 7000
PF6	52.83/ 60.71/ 68.58	1342/ 1542/ 1742	1.18 + 0.98	30 + 25	1,011,640	4500	6,063/ 6,834/ 7,716	5500/ 6200/ 7000

Beam Stage Loaders (BSL)



Model	Feed Size		Roll Diameter		Maximum Installed Power V-Belt/Gearbox		Throughput	
	in	mm	in	mm	hp	kW	tons/h	tonnes/h
SK0909	34.4 × 19.7 × X	875 × 500 × X	35.83	910	177/ 2 × 121	132/ 2 × 90	1,653	1500
SK1111	41.3 × 23.6 × X	1050 × 600 × X	43.31	1100	422/ 536	315/ 400	3,307	3000
SK1118	68.9 × 23.6 × X	1750 × 600 × X	43.32	1100	671/ 536	500/ 400	5,511	5000
SK1218	68.9 × 25.6 × X	1750 × 650 × X	47.24	1200	1,006/ 1,006	750/ 750	6,614	6000
SK1422	84.6 × 29.5 × X	2150 × 750 × X	55.12	1400	1,006/ 1,006	750/ 750	8,818	8000

BSL Crusher

Model	Feed Size		Roll Diameter		Maximum Installed Power V-Belt/Gearbox		Throughput	
	in	mm	in	mm	hp	kW	tons/h	tonnes/h
SK0909	34.4 × 19.7 × X	875 × 500 × X	35.83	910	177/ 2 × 121	132/ 2 × 90	1,653	1500
SK1111	41.3 × 23.6 × X	1050 × 600 × X	43.31	1100	422/ 536	315/ 400	3,307	3000
SK1118	68.9 × 23.6 × X	1750 × 600 × X	43.32	1100	671/ 536	500/ 400	5,511	5000
SK1218	68.9 × 25.6 × X	1750 × 650 × X	47.24	1200	1,006/ 1,006	750/ 750	6,614	6000
SK1422	84.6 × 29.5 × X	2150 × 750 × X	55.12	1400	1,006/ 1,006	750/ 750	8,818	8000

Model	Widths		Installed Power		Stroke		Capacity	
	in	mm	hp	kW	in	mm	tons/h	tonnes/h
SPR3	35.43/ 43.31/ 51.18/ 59.06	900/ 1100/ 1300/ 1500	up to 536	up to 400	13.78	350	6,834	6200
SPR5	43.31/ 51.18/ 59.07/ 66.93	1100/ 1300/ 1500/ 1700	up to 671	up to 500	19.68	500	7,716	7000

Tensionable Drive Frames

Model	Widths		Installed Power		Stroke		Capacity	
	in	mm	hp	kW	in	mm	tons/h	tonnes/h
SPR3	35.43/ 43.31/ 51.18/ 59.06	900/ 1100/ 1300/ 1500	up to 536	up to 400	13.78	350	6,834	6200
SPR5	43.31/ 51.18/ 59.07/ 66.93	1100/ 1300/ 1500/ 1700	up to 671	up to 500	19.68	500	7,716	7000

Model	Installed Power		Maximum Output Torque		Maximum Input Speed (motor speed)
	hp	kW	lb-ft	N-m	
Cat K-10	up to 326	up to 200	73,756	100 000	1800
Cat KP-25/30	up to 816	up to 500	221,269	300 000	1800

BSL Gearboxes

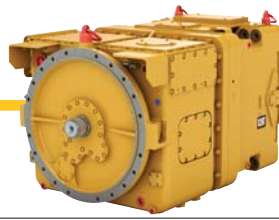
Cat K-10	up to 326	up to 200	73,756	100 000	1800
Cat KP-25/30	up to 816	up to 500	221,269	300 000	1800

Model	Belt Width		Advancing Mechanism	Overlap Recommendation	
	in	mm		in	mm
Skid-Mounted Boot End (SMB)	39.37/ 47.24/ 55.12/ 62.99	1000/ 1200/ 1400/ 1600	Skid	137.80	3500
Crawler-Mounted Boot End (CMB)	55.12	1400	Crawler	118.11	3000

Boot End

Skid-Mounted Boot End (SMB)	39.37/ 47.24/ 55.12/ 62.99	1000/ 1200/ 1400/ 1600	Skid	137.80	3500
Crawler-Mounted Boot End (CMB)	55.12	1400	Crawler	118.11	3000

Longwall Mining Equipment



CST Drives

Model	Installed Power		Maximum Output Torque (for a short duration of 3 sec)		Primary Use
	hp	kW	lb-ft	N-m	
30	up to 816	up to 500	221,269	300 000	AFC
45	up to 1,305	up to 800	331,858	450 000	AFC
45-M	up to 1,305	up to 800	331,858	450 000	AFC/Plow
45-V	up to 1,713	up to 1050	331,858	450 000	AFC
65	up to 1,958	up to 1200	479,415	650 000	AFC
115	up to 2,937	up to 1800	848,196	1 150 000	AFC



Variable Frequency Drives

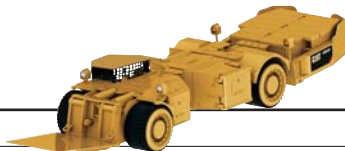
Model	Rated Power		Input Voltage	Maximum Operational Torque	Operation
	hp	kW			
VFD-A800/W800	1,072	800	3,300V ± 10%	210%	4Q
VFD-A1200/W1200	1,609	1200	3,300V ± 10%	210%	4Q

Converter: Current Source Inverter (CSI)
Setup: VFD separate from motor



Programmable Mining Controls (PMC)

Model	Function	Protection Rating
PMC-R	Roof Support Control	IP68
PMC-D	AFC/Plow Control	IP68
PMC-V	Visualization and Parameter Setup	IP68
PMC-P	Interface Provider	
MCU2	Visualization and Control Unit	IP65



Roof Support Carriers

Model	Operating Height		Capacity		Power Type
	in	mm	tons	tonnes	
SH620	52	1320	22	20	Battery
SH630	60	1524	36	32.6	Battery
SH650 VFD	68	1727	50	45	Battery
SH680	84	2133	80	72	Battery

Room and Pillar Mining Equipment



Continuous Miners

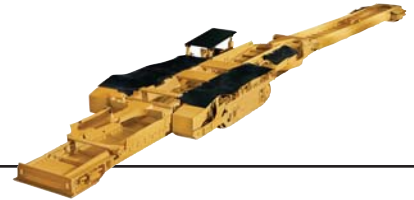
Model	0 to Max Cut		Load Rate up to		Total Power		Weight	
	in	mm	tons/ min	tonnes/ min	hp	kW	tons	tonnes
CM210	30-61	762-1549	12	11	770	575	50.0	45.4
CM220	36-92	914-2337	20	18	770	575	62.5	51.4
CM230	44-112	1118-2845	25	23	910	680	70.0	63.5
CM240	60-155	1530-3931	25	23	930	694	75.0	68.0
CM340	60-162	1524-4115	39	35	905	675	77.1	70.3
CM345 N	81-182	2057-4623	39	35	975	727	82.1	74.8
CM445	59-149	1499-3785	39	35	975	727	94.1	85.7



Face Haulers

Model	Operating Height		Payload Capacity		Power Type
	in	mm	tons	tonnes	
FH120	56	1422	19	17	Battery

Note: To operating height indicated and above



Continuous Haulage Systems

Model	Operating Height		Conveyor Width		Capacity	
	in	m	in	mm	tons/min	tonnes/min
FH330	36-50	0.9-1.3	30	762	15	13.6

Room and Pillar Mining Equipment

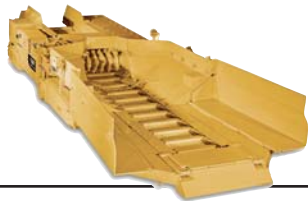


Scoops

Model	Operating Height		Capacity		Power Type
	in	mm	tons	tonnes	
SU488 L	44	1120	10.0	9.1	Battery
SU488	50	1270	16.0	14.5	Battery
SU488 D	50	1270	16.0	14.5	Diesel

Note: To operating height indicated and above

SU488 has AC power option



Feeder Breakers

Model	Operating Height		Conveyor Width		Max Capacity	
	in	mm	in	mm	tons/h	tonnes/h
FB110	48-60	1219-1524	48	1219	1,263	1146

Note: To operating height indicated and above



Hard Rock Mining Equipment

Underground Trucks

Model	Gross Power		Payload Capacity		Body Capacity	
	hp	kW	tons	tonnes	yd ³	m ³
AD30	409 ^{3,5} 409 ^{4,5}	305 ^{3,5} 305 ^{4,5}	33.1	30.0	14.8-22.9	11.3-17.5
AD45B	587 ^{3,5} 547 ^{4,5}	438 ^{3,5} 408 ^{4,5}	49.6	45.0	23.5-32.8	18.0-25.1
AD60	751 ^{1,3,5} 776 ^{2,3,5}	560 ^{1,3,5} 579 ^{2,3,5}	66.1	60.0	35.2-47.9	26.9-36.6

¹ 1st gear

² 2nd-7th gear

³ Ventilation reduction

⁴ Meets Tier 3 equivalent emission standards

⁵ SAE J1995



Underground Loaders

Model	Gross Power		Payload Capacity		Body Capacity	
	hp	kW	tons	tonnes	yd ³	m ³
R1300G	165 ^{5,8}	123 ^{5,8}	7.5	6.8	3.1-4.4	2.4-3.4
R1600H	269 ^{3,6} 269 ^{4,6}	200 ^{3,6} 200 ^{4,6}	11.2	10.2	5.5-7.7	4.2-5.9
R1700G	353 ^{3,5} 324 ^{1,4,5} 353 ^{2,4,5}	263 ^{3,5} 242 ^{1,4,5} 263 ^{2,4,5}	15.4 ⁷	14.0 ⁷	6.0-11.5	4.6-8.8
R2900G	409 ^{3,5} 409 ^{4,5}	305 ^{3,5} 305 ^{4,5}	19.0	17.2	8.2-11.6	6.3-8.9
R3000H	398 ^{3,6} 398 ^{4,6}	297 ^{3,6} 297 ^{4,6}	22.0	20.0	10.9-15.2	8.3-11.6

¹ 1st-3rd gear

² 4th gear

³ Ventilation reduction

⁴ Meets Tier 3 equivalent emission standards

⁵ SAE J1995

⁶ ISO 14396

⁷ Trimming only

⁸ Meets Tier 1 equivalent emission standards

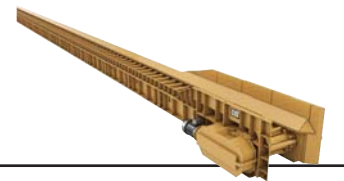
Note: R1700G rated at 13.4 tons (12.5 tonnes) for truck loading

Rock Flow System – Continuous Hard Rock Haulage System



Rock Feeder

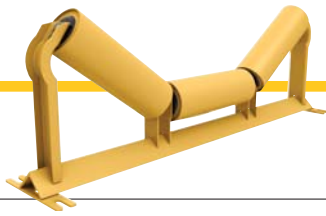
Model	Performance		Dimensions (L x W x H)		Weight Total	
	tons/h	tonnes/h	ft	mm	tons/h	tonnes/h
RF300	331	300	14.1 x 6.6 x 3.4	4300 x 2000 x 1050	24.3	22.0



Rock Mover

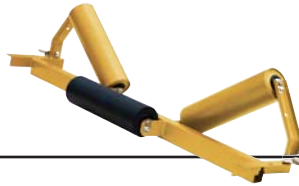
Model	Performance		Drive Power		Chain Speed	
	tons/h	tonnes/h	hp	kW	ft/min	m/sec
RM900	992	900	2 x 102	2 x 75	29.5	0.15

Conveyor Systems



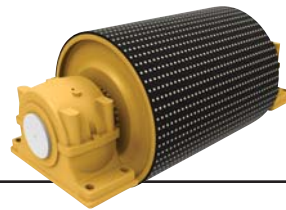
Inline Idlers

Ratings	CEMA B, C, D, E, F
Roll Diameter	CEMA B; 4 and 5 in (101 and 127 mm) CEMA C; 4, 5 and 6 in (101, 127, 152 mm) CEMA D; 5 and 6 in (127 and 153 mm) CEMA E; 6 and 7 in (152 and 177 mm) CEMA F; 7 and 8 in (177 and 203 mm)
Roll Design	Steel, EXALON (HMWPE), Impact, Rubber Disc, Urethane Disc
Belt Width	18-84 in (457-2133 mm)



Offset Idlers

Ratings	CEMA B, C, D, E, F
Roll Diameter	CEMA B; 4 and 5 in (101 and 127 mm) CEMA C; 4, 5 and 6 in (101, 127, 152 mm) CEMA D; 5 and 6 in (127 and 153 mm) CEMA E; 6 and 7 in (152 and 177 mm) CEMA F; 7 and 8 in (177 and 203 mm)
Roll Design	Steel, EXALON (HMWPE), Impact, Rubber Disc, Urethane Disc
Belt Width	18-84 in (457-2133 mm)
Configuration	Floor Mounted, Roof Hung, Wire Rope, Catenary



Pulleys

Design Type	Engineered Class (T-Bottom and Turbo Disc) Compression Style Wing Spiral Live Shaft Dead Shaft (Static Shaft)
Pulley Specifications	Designed to meet specific tension requirements for any conveyor system
Belt Width	8-60 in (203-1524 mm)
Lagging Type	Rubber lagging plain or diamond grooved, ceramic, and steel spiral. Straight or crowned face.

Belt Terminal Groups



Drive

Belt Width	36-84 in (914-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)

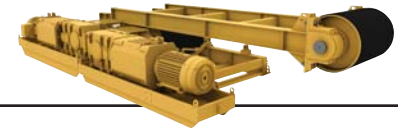
Design Types	Right Angle Alignment Free Parallel Shaft Drive Skid
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Discharge

Belt Width	18-84 in (457-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)

Design Types	Remote A-Frame Roof Mounted
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Drive/Discharge

Belt Width	18-84 in (457-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)

Design Types	Adjustable Boom Fixed Boom Head Driven Pulley
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Drive/Discharge/Take-Up (Combo Drive)

Belt Width	36-54 in (4914-1371 mm)
Performance Capabilities	Belt Speed up to 700 ft/min (3.56 m/sec) Tonnage Rate up to 2,400 tons/hr (2177 tonnes/hr)

Design Types	Adjustable Boom Fixed Boom
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Intermediate Loading

Belt Width	36-84 in (914-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)

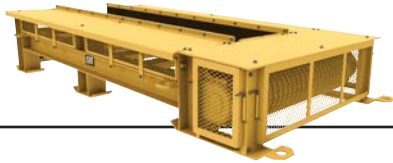
Design Types	In-Line 90 Degrees
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Belt Terminal Groups



Storage Unit

Belt Width	36-84 in (914-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)
Design Types	Electric Winch



Tail Section

Belt Width	18-84 in (457-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)
Design Types	Loading A-Frame



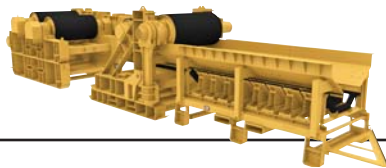
Take-Up

Belt Width	18-84 in (457-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)
Design Types	Electric Winch Screw Hydraulic Cylinder Gravity



Tripper Discharge

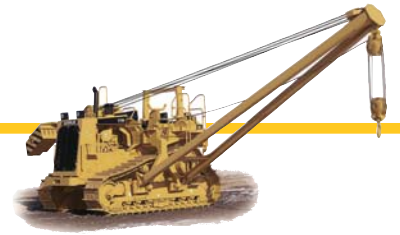
Belt Width	36-84 in (914-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)
Design Types	Remote A-Frame



Tripper Drive

Belt Width	36-84 in (914-2133 mm)
Performance Capabilities	Belt Speed up to 1,000 ft/min (5.08 m/sec) Tonnage Rate up to 10,000 tons/hr (9072 tonnes/hr)
Design Types	Right Angle Alignment Free Parallel Shaft Drive Skid

Pipelayers



Model	Power		Operating Weight		Lifting Capacity	
	hp	kW	lb	kg	lb	kg
PL61	125	93	37,480	17 000	40,000	18 145
PL83	310	231	106,807	48 477	160,000	72 575
PL87	366	273	120,119	54 485	214,000	97 069

Forest Machines



Model	Power		Operating Weight		Max Reach	
	hp	kW	lb	kg	ft	m
320D FM	147	110	66,812	30 300	36	11.0
324D FM	188	140	76,945	34 975	38-40	11.6
325D FM	204	152	91,338	41 430	40-42	12.2
568¹	319	238	106,129	48 240	43-45	13.1

¹ Meets Tier 4 Interim emission standards

Note: Weight without tool and with Under/Under log loader front

Skidders



Wheel Skidders

Model	Gross Power		Operating Weight		Wheelbase		Grapple Capacity	
	hp	kW	lb	kg	in	mm	ft ²	m ²
525D	203	152	44,020	19 967	143.8	3653	14.4	1.34
535D	225	169	45,888	20 814	149.4	3797	16.6	1.54
545D	250	187	48,260	21 890	155.1	3941	19.0	1.77
555D	275	206	49,263	22 345	160.7	4084	22.0	2.04

Note: Available as Cable (except 555D), Single Arch (525D and 535D only) and Dual Arch Arrangements

Wheel Loaders



Forestry Arrangements

Model	Net Power		Operating Weight		Full Turn Static Tipping Load Grapple Fork (Level)	
	hp	kW	lb	kg	lb	kg
950M	230	171	42,357	19 213	19,896	9027
962M	186	186	44,591	20 226	21,872	9924
966M	278	207	51,080	23 220	28,650	12 999
966M XE	278	207	51,080	23 220	28,650	12 999
980M	386	288	66,200	30 090	34,852	15 813

Note: Cat engine with ACERT Technology – meets Tier 4 Final emission standards.

Model	Net Power		Weight		Full Turn Static Tipping Load Grapple Fork (Level)	
	hp	kW	lb	kg	lb	kg
988K	541	403	135,014	61 370	68,517	31 144
990H	627	468	196,763	89 250	78,203	35 547

Feller Bunchers



Track – Zero Tail Swing

Model	Gross Power		Tractive Effort		Max Reach (with Head)		Operating Weight (w/o Head)	
	hp	kW	lbf	kN	ft	m	lb	kg
521B	303	226	70,500	314	26.5	8.1	60,629	27 501
522B	303	226	85,000	378	26.5	8.1	71,712	32 528



Track – Full Tail Swing

Model	Gross Power		Tractive Effort		Max Reach (with Head)		Operating Weight (w/o Head)	
	hp	kW	lbf	kN	ft	m	lb	kg
541 Series 2	303	226	75,500	336	28.1	8.6	67,960	30 826
552 Series 2	303	226	104,000	463	28.1	8.6	78,961	35 816



Wheel Feller Bunchers

Model	Engine	Gross Power		Wheelbase		Weight	
		hp	kW	in	mm	lb	kg
553C	C6.6 ACERT	174	130	110	2794	30,560	13 862
563C¹	C7.1 ACERT	203	152	110	2794	31,060	14 089
573C¹	C7.1 ACERT	241	180	115	2921	31,840	14 442

¹ Meets Tier 4 Interim emission standards

Note: Gross Power – ISO 14396

Weight with 28L x 26 tires, less attachment

Forwarders



Model	Gross Power		Load Capacity		Max Loader Reach		Operating Weight	
	hp	kW	lb	kg	ft	m	lb	kg
564 (6-wheel)	174	130	30,000	13 608	22.90	6.9	36,000	16 330
574 (8-wheel)	174	130	32,000	14 525	22.90	6.9	38,000	17 237
584¹ (6-wheel)	274	204	39,683	18 000	26.25	8.0	44,600	20 230
584 HD¹ (8-wheel)	274	204	44,092	20 000	26.25	8.0	50,900	23 088

¹ Available in Canada only

Harvesters



Track – Zero Tail Swing

Model	Gross Power		Tractive Effort		Max Reach (with Head)		Operating Weight (w/o Head)	
	hp	kW	lbf	kN	ft	m	lb	kg
501HD	163	122	43,400	193	27.0	8.2	40,000	18 000
521B	303	226	70,500	314	32.5	9.9	59,450	26 966
522B	303	226	85,000	378	32.5	9.9	70,532	31 993



Track – Full Tail Swing

Model	Gross Power		Tractive Effort		Max Reach (with Head)		Operating Weight (w/o Head)	
	hp	kW	lbf	kN	ft	m	lb	kg
541 Series 2	303	226	75,500	336	35.0	10.7	68,667	31 147
552 Series 2	303	226	104,000	463	35.0	10.7	79,699	36 151

Knuckleboom Loaders



Stationary Mount

Model	Gross Power		Max Reach		Operating Weight		Max Lift Capacity	
	hp	kW	ft	m	lb	kg	lb	kg
519 SM	75	55.9	27.0	8.2	15,915	7219	19,229	8730
519 SM/EHC	75	55.9	27.0	8.2	15,315	6947	19,229	8730
569 SM	100	74.5	32.5	9.9	18,945	8593	41,417	18 803
569 SM/EHC	100	74.5	32.5	9.9	18,345	8321	41,417	18 803

Note: Maximum Lift Capacity with Standard Boom
Optional booms available



Trailer or Truck Mounted

Model	Gross Power		Max Reach		Operating Weight		Max Lift Capacity	
	hp	kW	ft	m	lb	kg	lb	kg
529	156	116.3	29.0	8.8	27,900	12 655	19,528	8858
559C	174	129.5	32.0	9.8	34,100	15 500	25,388	11 478
579	173	129	32.5	9.9	34,000	15 422	47,083	21 357
579C	173	129	32.5	9.9	36,760	16 674	44,050	19 980

Note: Maximum Lift Capacity with Standard Boom
Optional booms available



Site Prep Tractors

Model	Engine	Gross Power		Attachment Flow and Pressure		Weight	
		hp	kW	gpm @ psi	L/min @ bar	lb	kg
586C	C9.3 ACERT	350	261	100 @ 5,500	378 @ 379	38,450	17 440

Note: Weight includes Quick Coupler, Retrieval Assist Winch with Cable, and Full Fluids
Meets Tier 4 Interim emission standards

Cold Planers



Model	Gross Power		Operating Weight		Cutting Width Standard		Max Working Depth	
	hp	kW	lb	kg	in	mm	in	mm
PM102¹	225	168	38,810	17 600	40	1000	12	305
PM200 - 2.0 m	575	429	66,359	30 100	79	2010	12.6	320
PM200 - 2.2 m	575	429	69,445	31 500	88	2235	12	305

¹ The PM102 is also available with a wheeled undercarriage

Reclaimers/Stabilizers



Model	Gross Power		Operating Weight		Cutting Width Standard		Max Working Depth	
	hp	kW	lb	kg	in	mm	in	mm
RM300	350	261	53,911	24 454	96	2438	20	508
RM500B	546	407	62,611	28 400	96	2438	20	508

Note: Weight with ROPS, cab and Universal rotor. RM300 and RM500B can be outfitted with optional rotors for various applications and conditions. RM300 and RM500B are capable of both full depth reclamation (Max working depth 16"/406 mm) or soil stabilization depending on rotor configuration.

Single Drum Soil Compactors



Model	Gross Power		Operating Weight		Drum Width	
	hp	kW	lb	kg	in	mm
CS44	100	75	15,961	7240	66	1676
CP44	100	75	16,832	7635	66	1676
CS54B	131	98	23,265	10 555	84	2134
CP54B	131	98	24,539	11 135	84	2134
CS56B	157	117	25,346	11 500	84	2134
CP56B	157	117	25,707	11 665	84	2134
CS68B	157	117	31,572	14 325	84	2134
CP68B	157	117	32,370	14 685	84	2134
CS74B	173.7	129.5	35,264	16 000	84	2134
CP74B	173.7	129.5	36,048	16 355	84	2134
CS78B	173.7	129.5	41,214	18 700	84	2134

Note: Weights with ROPS/FOPS cab

Pneumatic Tired Compactors



Model	Gross Power		Operating Weight		Rolling Width	
	hp	kW	lb	kg	in	mm
CW14	102	75	38,000	17 273	68	1740
CW34	131	98	59,525	27 000	82	2090

Tandem Vibratory Rollers



Model	Gross Power		Operating Weight		Drum Width	
	hp	kW	lb	kg	in	mm
CB14B	22.5	16.8	3,274	1485	35	900
CB14B	22.5	16.8	3,274	1485	39	1000
CB22B	36.2	27	5,629	2553	39	1000
CB24B	36.2	27	6,003	2723	47	1200
CB24B XT	36.2	27	6,885	3123	47	1200
CB32B¹	36.2	27	6,190	2808	51	1300
CC24B	36.2	27	5,380	2441	47	1200
CB34B²	48.8	36.4	8,155	3699	51	1300
CB34B XW³	48.8	36.4	8,385	3803	55	1400
CC34B	48.8	36.4	7,446	3378	51	1300
CB54 XW	137	102	28,312	12 842	79	2000
CB64	137	102	30,291	13 740	79	2130
CB44B Solid Drum	100	75	19,224	8720	59	1500
CB44B Split Drum	100	75	22,597	10 250	59	1500
CB54B Solid Drum	131	98	22,564	10 235	67	1700
CB54B Split Drum	131	98	25,995	11 790	67	1700
CD44B Solid Drum	100	75	17,108	7760	59	1500
CD44B Split Drum	100	75	20,327	9220	59	1500
CD54B Solid Drum	100	75	20,880	9470	67	1700
CD54B Split Drum	100	75	24,625	11 170	67	1700

¹ Operating weight with ballast: 7,071 lb (3208 kg)

² Operating weight with ballast: 9,036 lb (4099 kg)

³ Operating weight with ballast: 9,267 lb (4203 kg)

Asphalt Paving Equipment



Model	Gross Power		Operating Tractor Weight		Standard Paving Width	
	hp	kW	lb	kg	ft-in	m
AP255E	46	34.1	9,920 ¹	4500 ¹	4'7"	1.4
AP500E	142	106	27,760	12 590	8'0"	2.4
AP555E	142	106	29,335	13 305	8'0"	2.4
AP600D	174	129	31,299	14 197	8'0"	2.4
AP655D (Mobil-trac™) (Steel Track)	174	129	33,775	15 320	8'0"	2.4
AP1000F	225	168	34,820	15 794	10'0"	3.0
AP1055F	225	168	37,398	16 963	10'0"	3.0

¹ Weight includes screed

Screeds

Model	Standard Paving Range		Max Paving Width		Min Paving Width	
	ft-in	m	ft-in	m	ft-in	m
AS3143	4'7"-8'6"	1.4-2.6	11'1"	3.4	1'8"	0.5
AS3251C (Electric) Vibratory	8'0"-15'6"	2.4-4.724	20'2"	6.1	6'0"	1.8
AS4252C (Electric) Vibratory and Tamper Bar	8'4"-16'4"	2.55-5.0	26'4"	8.0	8'4"	2.55
SE60 V	9'10"-19'6"	3.0-6.0	25'0"	7.65	9'10"	3.0
SE60 V XW	9'10"-19'6"	3.0-6.0	33'0"	10.0	9'10"	3.0
SE60 VT XW	9'10"-19'6"	3.0-6.0	33'0"	10.0	9'10"	3.0

Electric Power



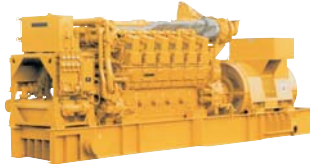
Generator Set Packages

50 Hz Diesel Ratings

	kVA
C1.1	6.8-9.5
C1.5	10-13.5
C2.2	13-22
3406C	275-350
C13 ACERT	350-450
C15 ACERT	455-550
C18 ACERT	550-700



	kVA
3412C	680-900
C32 ACERT	910-1250
3512	1000-1875
3516	1600-2750
C175	2500-4000



	kVA
CM20	1368-3238
3606	1775-2688
CM25	2225-2875
3608	2363-3575
3612	3550-5375
3616	4725-7150
CM32	3456-9313
CM43	6550-17 463

Generator Set Packages



60 Hz Diesel Ratings

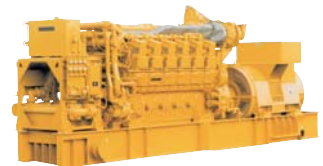
	ekW
C1.1	6.8-11
C1.5	12-16.5
C2.2	15.5-25
C4.4	36-100
C6.6	114-175
C7.1	200
C9 ACERT	180-300



	ekW
3406C	275-300
C13 ACERT	320-400
C15 ACERT	320-455
C18 ACERT	500-600



	ekW
3412C	591-800
C27 ACERT	680-800
C32 ACERT	830-1000
3512	890-1500
3516	1450-2500
C175	2500-4000



	ekW
CM20	980-2500
3606	1375-2000
CM25	1730-2230
3608	1830-2660
3612	2750-4000
3616	3660-5320
CM32	2765-7450
CM43	5240-13 970

Electric Power



Generator Set Packages

50 Hz Continuous Gas Ratings

	ekW				
	Natural Gas			Biogas	
	1500 rpm	1000 rpm	750 rpm	1500 rpm	1000 rpm
G3306	86-115			66	
G3406	126-166			107	
G3412	282-374			174	
CG132	400-800			400-800	
G3512	1017-1211				
CG170	1200-2000			1200-2000	
G3516	983-2027			1041-1105	
G3520	1982-2519			1982	
CG260		3333-4500			2830-3770
G16CM34				6520	
G20CM34				9700	

60 Hz Standby Gas Ratings

	ekW	
	1800 rpm	
G3406	215	
G3412	375-500	
G3516	1000-1500	

60 Hz Continuous Gas Ratings

	ekW								
	Natural Gas					Biogas			
	1800 rpm	1500 rpm	1200 rpm	900 rpm	720 rpm	1800 rpm	1500 rpm	1200 rpm	900 rpm
G3306	87-155					76			
G3406	192-217								
G3412	253-453					194			
G3508								408	
CG132	400-800					400-800			
G3512						615			
CG170		1200-2000						1200-2000	
G3516	1663	2005	779-1312					824-1015	
G3520	2077	2026-2500	1626-2026				1936	1626	
CG260			3000-4000						3370
G16CM34						6520			
G20CM34						9700			

Rental Generator Sets



Rental Generator Sets

	Rating
XQ 60 Hz	20-500 ekW
XQ 50/60 Hz	375 ekW
XG 60 Hz	135-400 ekW
XG 50/60 Hz	1475 ekW

Electrical Systems (50 Hz)



Uninterruptible Power Supply (UPS)	400 V
Flywheel Stand Alone System (SMS and MMS)	250 kVA – 1000 kVA
Flywheel Parallel System	250 kVA – 7000 kVA
Double Conversion Stand Alone System	60 kVA – 500 kVA
Double Conversion Parallel System	60 kVA – 2000 kVA

Paralleling Switchgear

Fully Customizable
Modularization Capable
Breaker Based – 220V to 38 kV
Human Machine Interface (HMI) Controls

Typical Applications:

Emergency Standby
Utility Paralleling
Load Management



Electrical Systems (50 Hz)



Multi-Generator Paralleling Controls

Engine Paralleling and Integration Control
 Integration Controls
 Generator Set Paralleling Controls (External Circuit Breaker)
 On-Package Genset Paralleling Controls
 Human Machine Interface (HMI) Controls
 Field Expandable

Typical Applications:

Emergency Standby
 Utility Paralleling
 Load Management



Automatic Transfer Switch (ATS)

Contactor Based

UL-ANSI Type
 600 V Class
 40 A – 4000 A
 Open Transition
 Closed Transition
 Delayed Transition
 Bypass Isolation



Breaker Based

UL-ANSI Type
 600 V Class
 30 A – 5000 A
 Open Transition
 Closed Transition
 Delayed Transition
 Bypass Isolation

Electrical Systems (60 Hz)



Uninterruptible Power Supply (UPS) 480 V

Flywheel Stand Alone System (SMS and MMS) 300 kVA – 1200 kVA

Flywheel Parallel System 300 kVA – 8400 kVA

Double Conversion Stand Alone System 40 kVA – 225 kVA

Double Conversion Parallel System 40 kVA – 800 kVA



Paralleling Switchgear

Fully Customizable
 Modularization Capable
 Breaker Based – 220V to 38 kV
 Human Machine Interface (HMI) Controls

Typical Applications:

Emergency Standby
 Utility Paralleling
 Load Management

Single-Generator Paralleling Controls

Engine Transfer Load Manager
 Integration Controls
 Generator Set Paralleling Controls (External Circuit Breaker)
 Human Machine Interface (HMI) Controls

Typical Applications:

Emergency Standby
 Utility Paralleling
 Load Management



Electrical Systems (60 Hz)



Multi-Generator Paralleling Controls

Engine Paralleling and Integration Control
 Integration Controls
 Generator Set Paralleling Controls (External Circuit Breaker)
 Centralized Off-Package Paralleling Controls
 On Package Genset Paralleling Controls
 Human Machine Interface (HMI) Controls
 Field Expandable

Typical Applications:

Emergency Standby
 Utility Paralleling
 Load Management



Automatic Transfer Switch (ATS)

Contactor Based

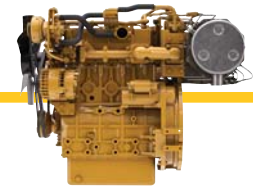
600 V Class
 40 A – 4000 A
 Open Transition
 Closed Transition
 Delayed Transition
 Bypass Isolation



Breaker Based

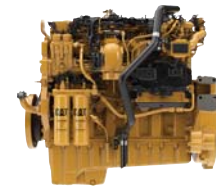
600 V Class
 100 A – 5000 A
 Open Transition
 Closed Transition
 Delayed Transition
 Bypass Isolation

Industrial Power Systems¹

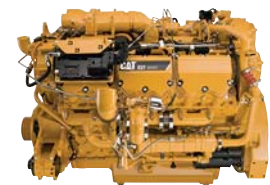


Diesel

	hp	kW
C0.5	11.0-13.7	8.2-10.2
C0.7	11.8-20.5	8.8-15.3
C1.1	18.4-28.2	13.7-21.0
C1.5	24.7-40.2	18.4-30.0
C1.6	33.0-35.5	24.6-26.5
C1.7	31.6-35.0	23.6-26.1
C2.2	41.6-61.0	31.0-45.5
C3.4B³	60.3-120.7	45.0-90.0
C4.4²	72.4-111.3	54.0-83.0
C4.4 ACERT	82.5-173.5	61.5-129.4



	hp	kW
C6.6 ACERT	119.3-274.9	89-205
C7 ACERT²	225-300	168-224
C7.1 ACERT	156-302	116-225
C7.1²	150-220	112-162
C9 ACERT²	275-375	205-280
C9.3 ACERT³	300-400	224-298
C11 ACERT²	325-450	242-336
C13 ACERT	385-520	287-388
C15 ACERT	440-595	328-444



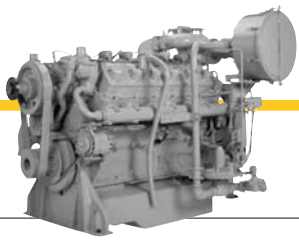
	hp	kW
3406C²	361-465	269-347
C18 ACERT	575-800	429-597
C27 ACERT	800-1150	597-858
C32 ACERT	950-1350	708-1007
3500 Family²	680-2200	507-1640
3600 Family²	1998-6598	1490-4920

¹ Includes ratings for both highly regulated and lesser or non-regulated territories, unless noted otherwise.

² For use in lesser regulated territories

³ For use in highly regulated territories

Industrial Power Systems¹

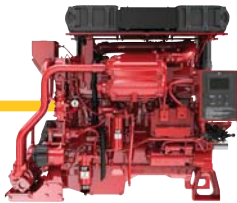


Gas

	hp	kW
G3300 Family	95-211	71-157
G3400 Family	215-637	160-475
G3500 Family	524-1725	391-1286
G3600 Family	1775-5045	1324-3762
G12CM34	6135-8180	4575-6100

¹ Includes ratings for both highly regulated and lesser or non-regulated territories, unless noted otherwise.

Fire Pump



	hp	kW
C18 ACERT	600-800	447-597
3406C¹	292-482	218-359
3412C¹	638-739	476-551
3508¹	950-1065	709-794
3512¹	1430-1600	1066-1193
3516¹	1900-1985	1417-1480

¹ For use in lesser regulated territories

Oil and Gas Products



Engines – Diesel

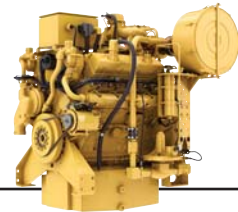
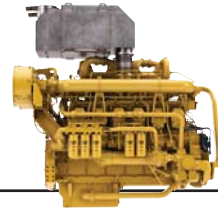
	bhp	bkW
C Series	72-1350	54-1007
3500 Family	2000-3300	1491-2461
3600 Family	2000-6598	1490-4920
CM20C Family	1392-2457	1020-800
CM25C Family	2375-4095	1740-3000
CM32C Family	3931-12330	2880-8960
CM43C Family	7371-22932	5400-16800

Engines – Dual Fuel

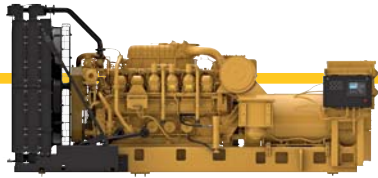
	bhp	bkW
3500 DGB Family	2250-2500	1678-1864
CM34DF Family	4080-6120	3000-4500
CM46DF Family	7344-19584	5400-14400

Engines – Gas

	bhp	bkW
G3300 Family	95-211	71-157
G3400 Family	215-637	160-475
CG137 Family	400-600	298-447
G3500 Family	524-1725	391-1286
G3600 Family	1775-5045	1324-3762
GCM34 Family	6222-13600	4575-10000



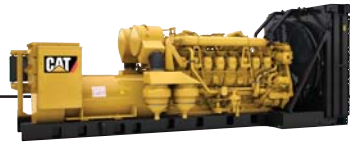
Oil and Gas Products



Land Generator Sets – Diesel

	kVA	ekW
C Series	225-1250	180-1000
3400 Family	275-1000	220-800
3500 Family	880-3125	610-2500
C175 Family	2500-5000	2000-4000
3600 Family	2063-7150	1650-5720
CM20C Family	1224-2052	979-1642
CM25C Family	2160-3240	1728-2592
CM32C Family	3456-9700	2765-7760
CM43C Family	6548-18236	5238-14589

Land Generator Sets – Dual Fuel



	kVA	ekW
3500 DGB Family	1320-2000	1056-1600
CM34DF Family	3638-5456	2910-4365
CM46DF Family	6548-17460	5238-13968

Land Generator Sets – Gas

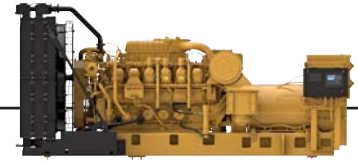


	kVA	ekW
G3300 Family	138	110
G3400 Family	156-1000	125-800
CG170 Family	2000	1500
G3500 Family	463-2569	370-2055
G3600 Family	1925-4350	1540-3480
GCM34 Family	7861-12887	6289-10309

Land Electric – Drive Drilling Engines

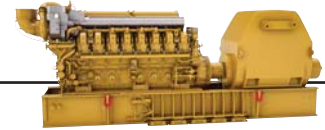
	bhp	bkW
3500 Family	1113-1750	830-1305

Land Electric – Drive Drilling Modules



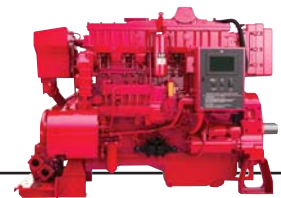
	kVA	ekW
3500 Family	880-1885	610-1320

Offshore Generator Sets



	kVA	ekW
3500 Family	738-2813	590-2250
C175 Family	2619-2875	1833-2300
C280 Family	2076-7857	1661-5500
CM20C Family	1224-2160	979-1728
CM25C Family	2088-3600	1670-2880
CM32C Family	3750-11546	3000-9237
CM34DF Family	3866-5799	3093-4639
CM43C Family	6959-21649	5567-17320
CM46DF Family	6959-18557	5567-14845

Fire Pump Engines



	bhp	bkW
C7 ACERT	230-275	172-205
3400 Family	292-739	218-551
C15 ACERT	536	400
C18 ACERT	600-800	448-597
C32 ACERT	860-1300	642-970
3500 Family	950-3151	709-2350

Oil and Gas Products



HazPak

	Power	
	bhp	bkW
C2.2	27-41	20-30
C4.4	57-156	43-112
C7	211	158
C9	304	227
C15	504	376
C18	715-803	533-599
3406C	490	365



Transmissions

	Power		Torque		Weight	
	bhp	bkW	lb-ft	Nm	lb	kg
CX31-P600	600	447	2,025	2746	456	1006
CX35-P800	800	597	2,700	3661	651	1435
TH48-E70	1200	895	4,422	5995	3,735	1694
TH48-E80	2300	1715	6,656	9024	4,878	2213
CX48-P2300	2300	1715	6,656	9024	3,530	1601
TH55-E70	3300	2461	9,350	12 667	6,330	2871
TH55-E90	3300	2461	9,350	12 667	6,330	2871



Well Service Pumps

	Power		Weight		Gear Ratio
	bhp	bkW	lb	kg	
WS063	600	447	4,800	2177	4.6:1
WS223	2250	1678	13,000	5897	6.353:1
WS255	2500	1864	16,000	7257	6.353:1
WS273 XD	2700	2014	18,000	8165	5.55:1
WS305 XD	3000	2237	24,000	10 886	5.55:1

Petroleum Transmissions



Transmission	Power		Input Torque		Weight		Gear Ratios
	hp	kW	lb-ft	N-m	lb	kg	
TH31-E61	350	261	1,148	1556	Straight Through:		4.40, 2.33, 1.53, 1.00, 0.72, 0.61, -3.97
					1,855	841	
					Dropbox 2WD:		
					2,755	1250	
TH35-E81	550	410	1,650	2237	Straight Through:		5.73, 3.57, 2.72, 1.95, 1.43, 1.00, 0.74, 0.63, -4.46
					2,145	973	
					Dropbox 2WD:		
					2,975	1350	
TH35-E81	550	410	1,650	2237	Dropbox 4WD:		5.73, 3.57, 2.72, 1.95, 1.43, 1.00, 0.74, 0.63, -4.46
					2,975	1350	
					Dropbox 4WD:		
					3,047	1382	
CX31-P600	600	447	2,025	2746	Side PTO:		4.40, 2.33, 1.53, 1.00, 0.72, 0.61, -3.97
					962	436	
					Side PTO with retarder:		
					1,024	465	
					Integral Pump Drive (IPD):		
					1,101	499	
					IPD with retarder:		
					1,163	528	
					Dropbox 2WD:		
					1,793	813	
Dropbox 4WD:							
1,868	847						
CX35-P800	800	597	2,700 ²	3661	Side PTO:		5.73, 3.57, 2.72, 1.95, 1.43, 1.00, 0.74, 0.63, -4.46
					1,410	640	
					IPD:		
1,540	699						
CX48-P2300	2300	1715	6,656	9024	3,530	1601	3.34, 2.45, 2.20, 1.81, 1.62, 1.36, 1.19, 0.99
TH48-E70	1500	1118	4,422	5995	3,735	1694	6.16, 4.52, 3.33, 2.47, 1.82, 1.36, 1.00
TH48-E80	2300	1715	6,656	9024	4,878	2213	3.34, 2.45, 2.20, 1.81, 1.62, 1.36, 1.19, 0.99 ¹
TH55-E70	3300	2461	9,530	12 680	6,330	2871	6.25, 4.59, 3.38, 2.48, 1.83, 1.36, 1.00
TH55-E90	3300	2461	9,148	12 403	6,330	2871	4.67, 3.43, 3.03, 2.53, 2.22, 1.85, 1.64, 1.36, 1.00
WS223	2250	1678			13,000	5896.7	
WS255	2500	1864			16,000	8368	6.353:1

¹ Warm-Up Mode Option: Provides torque converter stall for aiding power train warming during cold starts
8F is unavailable on TH48-E80 units configured with the warm-up mode option.

² Input torque limited to 2,400 lb-ft (3254 N-m) in gears 1F-3F

Marine Engines



	Propulsion Ratings		Generator Set ekW Rating
	bhp	bkW	
C1.5			10-13
C2.2			16-27
C4.4			36.0-99.0
C4.4 ACERT			60-118
C6.6 ACERT			93-170
C7 ACERT	455	339	
C7.1			92-163
C8.7	641	478	
C9			142-250
C9 ACERT	503-567	375-423	
C9¹	217-361	162-269	
C12	340-600	254-448	
C12 ACERT	660-705	492-526	
C18 ACERT	454-1136	339-847	275-550
C18 ACERT¹	404-806	301-601	
C32 ACERT	660-1900	492-1417	550-940
C32 ACERT¹	791-1333	590-994	
3500C Series²	775-3386	578-2525	1550-1700
3512C/3516C	1280-3386	955-2525	
3512C/3516C²	1920-3176	1432-2250	1730-2250
C175-16	2683-3420	2001-2550	
C280	2320-7577	1730-5650	1650-5200
C280³	2320-7268	1730-5420	
M 20 C	1390-2448	1020-1800	979-1468
M 25 C	2370-4284	1740-3150	1669-3024
M 32 C	3920-6120	2880-4500	2762-4316
M 34 DF	4080-6120	3000-4500	2877-4316
M 43 C	7344-12852	5400-9450	2880-4500
M 46 DF	7344-11016	5400-8100	5179-7768
VM 32 C	8160-12186	6000-8960	5754-8593
VM 43 C	14688-22848	10800-16800	10357-16111
VM 46 DF	14688-19584	10800-14400	10357-13810
EMD 8-710DGB	2000	1491	
EMD 12-710DGB	3000	2237	
EMD 16-710DGB	4000	2983	
EMD 20-710DGB	5000	3729	

¹ Auxiliary/Gen set engine

² Auxiliary/Gen set engine/Diesel Electric Propulsion

³ Auxiliary

Propulsion



Controllable Pitch Propellers (MPP)

Designed for heavy-duty applications with a hydraulic servo cylinder in the hub that sets the desired pitch of the propeller blades.



Azimuth Thruster (MTA)

Available in an L-drive configuration with electric steering or a Z-drive configuration with hydraulic or electric steering.



Transverse Thruster (MTT)

Available with a controllable pitch propeller or a fixed-pitch propeller in two configurations, a heavy-duty MTT suitable for DP-applications and an auxiliary MTT suitable for harbor maneuvering.



MPC 800 Remote Control System

Designed to control and oversee the controllable pitch propellers and thrusters for all types of vessels and can be easily configured to control or interface with a wide range of supplementary systems.

CX On-Highway Transmissions



Transmission	Power		Input Torque		Weight		Gear Ratios
	hp	kW	lb-ft	N-m	lb	kg	
CX28	425	317	1,350	1830	595	270	3.76, 1.96, 1.35, 1.00, 0.78, 0.65, -3.97
CX31	625	466	1,900	2576	905	410	4.40, 2.33, 1.53, 1.00, 0.72, 0.61, -3.97
CX35	700	522	2,150	2915	1,325	601	5.73, 3.57, 2.72, 1.95, 1.43, 1.00, 0.74, 0.63, -4.46

Work Tools

The Reliable Choice

Using Cat high quality work tools in combination with your Cat machines gives you the perfect performance match. No matter which attachment you choose from our extensive range, you benefit from: uninterrupted productivity; a single point of contact for all your equipment needs; and the backing of unrivalled parts, service, and vast dealer network. Because they are Cat Work Tool attachments, they provide a high resale value.

As you will see, we offer everything you need to get the job done efficiently and with confidence. Whether you need to cut, rip or tear, sort or load, lift or dig, move or level, pulverize or crush – we have an appropriate solution. Contact your local Cat dealer for more details about Cat Work Tool attachments.

Augers

Augers are designed for drilling holes with the right amount of speed and torque for maximum productivity in many soil types. Cat Augers are for use on Cat skid steer loaders, multi terrain loaders, compact track loaders, compact wheel loaders, mini excavators and backhoe loaders.



Backhoes

Backhoe attachments are used for digging footings, draining ditches, utility trenching, maintaining slopes and embankments in a variety of construction, industrial and landscape settings. They pair well with hammers, thumbs or augers – extending the versatility of Cat skid steer loaders, multi terrain loaders and compact track loaders.



Bale Handlers

The Bale Handler is designed to load, carry and handle round and square bales of hay, straw, cotton and other similar materials. This telehandler work tool is ideal for hay handling, feedlot operations, cattle and horse farms, stables and silage applications.



Blades

Caterpillar offers a wide variety of blade styles including straight, coal, woodchip, landfill, reclamation and cushion dozer – enhancing the machines productivity in many different industries and situations. Every Cat Blade is designed to perfectly match the machine's configuration, extending your effective boundaries of operation.



Brooms

Brooms are ideal for sweeping and cleaning dirt, rock, snow and other debris from streets, parking lots, driveways, sidewalks and factory floors. Several sizes and styles are available for Cat loaders. Water sprinkler kits are available for dust control.



Brushcutters

Brushcutters are ideal for clearing overgrowth from highway medians, utility and pipeline easements and for initial land clearing for housing, parks and recreational areas. The SSL/MTL/CTL based heads can process brush, shrubs, and grasses while the 586C based head can process trees up to 8 in (203 mm) in diameter. Cat brushcutters are well suited for high production brush cutting for land management projects.



Excavation Buckets

Cat Excavation Buckets are designed to load easily and efficiently for the best production. Standard, specialty and front shovel buckets are available for excavating, trenching, finishing, and loading in a variety of conditions.



Quick Couplers

Cat Quick Couplers increase the machine's flexibility and versatility by enabling rapid changeover of Work Tool attachments – keeping a single machine highly productive. Couplers are available for loaders, excavators and backhoes.

Loading Buckets

Because every Cat Bucket is designed to perfectly match your Cat machine, you are guaranteed top performance. Choose from a wide range of purpose-built, high performance buckets.

From the smallest skid steer loader up to the largest wheel loader, each is designed for superior productivity, high reliability and long life in a variety of materials and handling conditions



Delimers

Delimers for knuckleboom loaders are designed for maximum productivity, reliability and component life. Choose the 320 with its three-knife design and 787 mm (31 in) throat opening for small to medium softwoods and small hardwoods. Or step up to the 426 with its four-knife and 873 mm (34 $\frac{3}{8}$ in) throat opening for larger wood sizes and multiple stem thinning applications.

Cold Planers

Cold Planers are primarily used to economically restore asphalt and concrete surfaces in small residential and commercial paving jobs. They are also ideal for milling imperfections prior to resurfacing and removing deteriorated pavement when the use of dedicated planers is limited. They are designed for use on Cat skid steer and multi terrain loaders, compact track and wheel loaders and backhoe loaders.



Forestry Forks

Several fork types are available for heavy duty applications found in forestry sites and mill yards. Logging, Millyard, Grapple and Lumber forks are available for loading and unloading trucks, decking and feeding the mill, to handling and sorting lumber, logs and palletized material.

Drum Compactors

Vibratory Drum Compactors are used for compacting soil, sand or gravel prior to pouring concrete or laying asphalt surfaces. They are also ideal for asphalt patch work. This compactor style is designed for use on Cat skid steer and multi terrain loaders, compact track and wheel loaders.



Pallet Forks

Many Pallet Fork sizes are available to equip the smallest to largest machines to move and handle all types of material. From bulky, palletized material found on most every construction site to bagged fertilizer and seed on landscaping and nursery sites – Pallet Forks are some of the most versatile attachments.

Plate Compactors

When in a trench or on a slope, driving sheeting or posts, Cat Compactors are the ideal choice for any compaction task. Vibratory Plate Compactors are performance matched to backhoe loaders and excavators.



Pipe and Pole Forks

This purpose-built fork is designed for use on wheel loaders in oil and gas field drilling, pipeline construction and utilities work. The two-piece top clamp holds pipe from 51 mm (2 in) to 914 mm (36 in) in diameter. Clamping surface has rubber contact pads to protect pipe from damage.

Grapple Buckets, Forks and Rakes

Grapple Buckets, Forks and Rakes are designed to handle bulky materials.

They are built for compact track and multi terrain loaders, skid steer loaders, compact wheel loaders and telehandlers. Utility grapple buckets, forks and rakes are for handling light materials while industrial grapples are for heavy duty usage.



Contractors' Grapples

This grapple style is strong and durable, equipping hydraulic excavators for structural demolition, material handling, sorting, loading and unloading rock, scrap, pipe, waste material and other debris. The lower jaw is slightly curved and allows for easy loading, more penetration into scrap debris, and unrestricted release of material when unloading.



Demolition and Sorting Grapples

It's easy for an excavator operator to precisely position this grapple to move scrap and demolition debris with the 360° rotation. Powerful grab force and fast cycle times ensure high productivity when taking down a building or sorting and loading material.



Forestry Grapples

Forestry Grapples for forest machines feature 360° rotation and can be quickly positioned for maximum productivity.

Cat Forestry Grapples are built using high-strength steel throughout the body and tines, reinforced in key areas to maintain structural integrity.

Grapples for knuckleboom loaders deliver outstanding performance in all types of logging and material handling.

A wide range of sizes are available.



Processing/Harvester Heads

SATCO harvesting and processing heads have been designed for rugged logging conditions and well suited for the many different forest types found around North America. The heads have been specifically designed to be mounted on track carriers and exhibit the durability, reliability and strength required for optimum performance.

Working the head around the clock harvesting large timber in the forest or nonstop processing on the landing, these heads have been designed to meet the tough demands of many applications.

The PF-48 is a fixed mounted harvester head perfectly matched for the 501HD Track harvester. The PF-48 provides complete control of the tree to the operator and provides the ability to reposition the tree in a location away from other trees.



Orange Peel Grapples

Continuous 360° rotation gives material handler operators full control to position the grapple in scrap and other material swiftly and precisely. A covering guard facilitates easy access to the cylinders, which are housed within the tines for maximum protection. Choose from 4- or 5-tines in range of capacities sized for use with small and medium material handling excavators.



Trash Grapples

These grapples are wide and feature a 4-over-5 tine jaw construction making them ideal for excavators handling and moving large volumes of municipal solid waste, wood chips, wood debris, and other low-density material quickly.



Hammers

Working a Cat Hammer is as comfortable for the operator and those around the job site as possible. A sealed, sound-suppressed housing protects the power cell and significantly reduces sound levels of silenced models. A variety of sizes and tool options make Cat Hammers the ideal choice for concrete demolition, breaking rock and frozen or hard ground, and trenching.



Felling Heads

Felling Heads for wheel and track feller bunchers are designed for optimum performance in severe harvesting conditions.

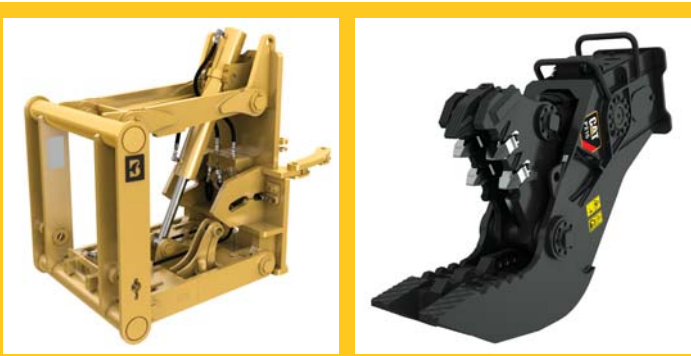
Felling Heads for track feller bunchers feature robust structures, thick plating and reinforcements in high stress areas for best in class durability. With partial or full tilt, these heads optimize cutting and bunching capability and increase production.

Felling Heads for wheel feller bunchers include shear heads and high capacity bunching saws with tapered saw shaft and bearing design. They are made of abrasion-resistant materials to maximize durability.

SATCO Directional Felling Heads for track harvester and FM configurations provide a versatile felling attachment with the ability to fell, move logs, cross cut as a grapple saw and also load trucks all with one machine.

Lift Groups

Balderson Parallel Lift Groups allow Cat motor graders to engage a variety of front-mounted attachments such as plows, V-plows and straight blades, adding to the machine's versatility and on-the-job performance.



Pulverizers

Secondary Pulverizers fine-crush concrete and concrete blocks resulting from site demolition. Wide jaws with pick-up tips and numerous teeth, a large opening, reversible cutting edges and rapid closing time helps reduce the largest possible amount of on-site concrete in the shortest possible time.

Material Handling Arms

These tools equip Cat loaders and telehandlers for moving, manipulating and placing pipe, precast concrete structures, small equipment and other similar items with maximum visibility and control. They are well suited for loading, carrying and setting trees and large shrubs in landscaping.



Landscape Rakes

This rake style uses hardened teeth to pulverize, aerate, level and condition the soil – while collecting and depositing rock and debris in an integrated hopper bucket for quick removal. These rakes are designed to operate with the loader in reverse, leaving the soil finely groomed with minimal compaction.



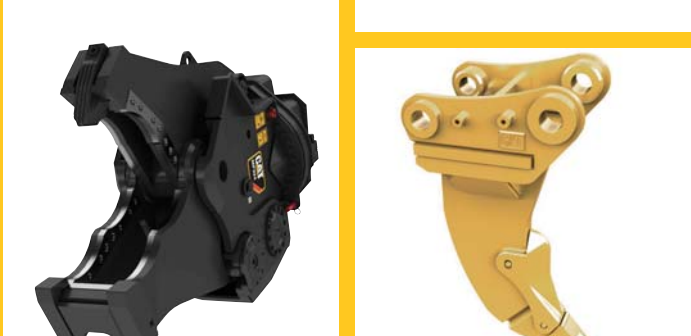
Mulchers

For high performance cutting and mulching of vegetation and undergrowth from typical wooded terrain – this attachment reduces trees, saplings, and shrubs into mulched material. The SSL/MTL/CTL based heads can process trees up to 8 in (200 mm) in diameter while the 586C based head can process trees up to 16 in (406 mm) in diameter providing effective solutions for land management projects. These rugged heads can also incorporate the mulch into the soil, returning nutrients into the soil and reducing erosion.



Loader Rakes

Cat Loader Rakes feature fabricated steel teeth for strength and a long service life in land clearing, stump removal, and boulder and large tree moving. Heavy duty styles with shorter teeth and more robust design are ideal for working in clay and other heavy soils. Rakes are available with or without a top clamp for wheel and track loaders.



Power Box Rakes

This one work tool for compact track and wheel loaders, multi terrain loaders and skid steer loaders de-thatches, removes old lawns and weeds; grades, levels, rakes, removes debris; and prepares seedbeds. Angling ability allows the operator to windrow debris for easy pickup and removal.

Multi-Processors

A Multi-Processor equips your excavator for even higher levels of demolition versatility. Consisting of a housing and jaw set (with six jaw options available), it gives the flexibility to choose the right jaw set for cutting and crushing most any material found on the scrap and demolition job site.

Rippers

With its powerful, single point of penetration, Cat Rippers are effective at breaking out rock and other difficult materials. Using it with a compatible quick coupler and rock bucket for "rip and load," you can supplement or even leave out blasting rock prior to truck loading.



Saws

Wheeled Saws are designed for high-performance trench cutting on a variety of hard or compact surfaces like asphalt, reinforced concrete and rocky or frozen ground. They are compatible with compact track and multi terrain loaders, skid steer loaders, and compact wheel loaders.



Snow Plows, Pushes and Wings

Whether on urban, rural or mountain roads, at airports, plant facilities, parking lots or clearing ditches, Cat Snow Plows, Snow Pushes and Snow Wings move snow with maximum efficiency and power. Snow Wings, one-way, reversible, angle and Balderson V-plow styles equip your Cat loaders and motor graders for heavy snow removal.

Scarifiers

Scarifiers are designed for a wide variety of ground preparation applications. They are available for Cat motor graders.



Stump Grinders

Designed to economically remove stumps in residential, commercial and agricultural settings – Cat Stump Grinders offer increased production over tow-behind grinders in situations where multiple stump removal is required. They are compatible with compact track and multi terrain loaders, skid steer loaders, and compact wheel loaders.

Shears

Cat Shears are designed for Cat machines – taking full advantage of the hydraulic flows and pressures to enhance productivity without compromising safety or causing premature wear of the shear and carrier. Mobile Scrap and Demolition Shears can be boom-mounted, or stick mounted, with or without a coupler. The purpose of this product bulletin is designed to assist the dealer in the shear selection process. It is broken into these five main sections: Features, Cutting, Maintenance, Specs and Machine Matching.

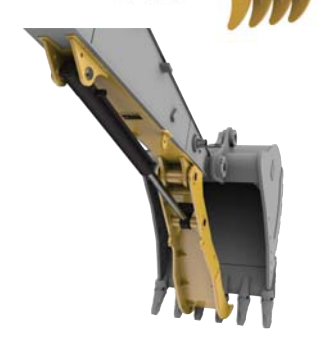


Thumbs

Thumbs work in conjunction with the excavator bucket, allowing the machine to pick, sort, stack, load and move various material found on the job site. Pro Series Hydraulic Thumbs move and rotate with the bucket through the bucket rotation cycle. Rigid link Thumbs are a low-cost, effective solution in which the thumb is manually moved to one of two working positions.

Snow Blowers

Cat Snow Blowers utilize a two-stage auger and impeller design to move a greater capacity of snow quickly and efficiently. Snow Blowers are compatible with compact track and multi terrain loaders, skid steer loaders, and compact wheel loaders. They are designed for removing snow from streets, parking lots, driveways and sidewalks.



Tillers

Tillers are designed for breaking up and pulverizing soil, mixing compost or other material into existing soil, stabilizing and leveling existing terrain in landscape finish applications. Cat Tillers are compatible with compact track and multi terrain loaders, skid steer loaders and compact wheel loaders.



Truss Booms

Truss Booms for telehandlers are designed to lift and place items like roof trusses, frames, beams as well as equipment. The truss boom, with its added horizontal and vertical reach, allows for materials and equipment to be placed in hard to reach areas.

Trenchers

Cat Trenchers are designed for use on compact track and multi terrain loaders, skid steer loaders and compact wheel loaders – allowing these machines to cut narrow straight trenches in soil for laying electrical, telephone and cable lines, or water and gas pipe.



Winches

Boom head mounted Winches are available for telehandlers for lifting long, awkward loads that cannot be handled safely on a pallet and/or materials that need to be lowered below grade.

Technology Products

Technology products enable your Cat machines and entire equipment fleet to be more productive, help you manage your assets and monitor equipment health. The products listed below are all available from your Cat dealer as factory fit, attachment ready option, or an aftermarket solution. Contact your Cat dealer for specifics on machine model configurations.

CONSTRUCTION TECHNOLOGY

Technology Product Family	Description
CAT CONNECT technologies	
LINK	<p>LINK technologies, like Product Link™ wirelessly connect you to your equipment, giving you valuable insight into how your machine or fleet is performing. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes via satellite or cellular connection through the online VisionLink® interface so you can make timely, fact-based decisions to maximize efficiency, improve productivity, and lower the cost of owning and operating your fleet. VIMS™ provides an even greater level of detail about your machine or fleet and can be downloaded via VIMSpC to help optimize fleet management.</p> <p>LINK technologies include: Product Link/VisionLink; VIMS</p>
GRADE	<p>GRADE technologies combine digital design data, in-cab operator guidance and blade/bucket elevation control to help you hit target grade faster and finish jobs quickly, accurately, in fewer passes – reducing rework and costs. Grade stakes and checkers are minimized, making the work site safe, efficient, and cost effective. Guidance features help improve quality and consistency for operators at all experience levels. Grade technologies maximize the earthmoving process – from bulk earthworks all the way to finish grade.</p> <p>Grade control capability is based on machine type. Earthmoving systems typically automate blade movements, while excavation systems indicate which direction to move the bucket edge to achieve grade.</p> <p>GRADE technologies include: Cat Grade Control: 3D, Cross Slope, Depth and Slope, Grade and Slope; Cat AccuGrade™: Cross Slope, Sonic, Laser, GNSS, UTS</p>
COMPACT	<p>COMPACT technologies combine advanced compaction measurement, in-cab guidance and reporting capabilities to help you consistently meet compaction targets faster, more uniformly, and in fewer passes – reducing rework and material costs in both soil and asphalt applications.</p> <p>Asphalt compaction technologies display mat temperature, indicating when and where operators need to work to quickly achieve consistent quality results. Soil compaction technologies provide operators with compaction density measurements with real-time feedback to achieve uniform results with maximum efficiency. Landfill compaction technologies measure effective compaction value to eliminate voids and optimize cell space. 3D mapping capability helps document and validate results.</p> <p>COMPACT technologies include: Cat Compaction Control; Cat AccuGrade</p>
PAYLOAD	<p>PAYLOAD technologies provide on-the-go load weighing to assist operators with hitting precise load targets every time – helping to reduce load times, optimize loading efficiency and increase job site productivity. Real-time in-cab payload information helps reduce overloading and under loading. Truck systems offer external lights or an optional digital display to signal the loading tool operator when the proper load is reached. Loader and truck operators can track daily productivity from the cab, with quick access to truck payload weights, loads and cycle counts, and daily totals, or remotely via LINK technologies.</p> <p>PAYLOAD technologies include: Cat Production Measurement, Cat Payload Control, Truck Production Management System, Payload Estimator</p>
DETECT	<p>DETECT technologies help increase operator awareness, enhancing safety at your operation. It includes a range of capabilities designed to assist the operator with areas of limited visibility around fixed and mobile equipment.</p> <p>Object Detection uses a combination of cameras, radars and a touch screen display to identify objects in close proximity at machine startup and slow speed operation. The display has proximity bars that indicate approximate distance to an object, providing enhanced operator awareness around the machine.</p> <p>DETECT technologies include: Rear-vision Cameras, Work Area Vision System (WAVS)</p>

Please see your Cat dealer for specific model, region availability and application information.

MINING TECHNOLOGY

Technology Product Family	Description
Rock Flow Haulage System	<p>The Rock Feeder directs ore from the drawpoint onto a Rock Mover (Conveyor) by a hydraulically operated push plate. The RF300 can be quickly removed from the drawpoint at any time for maintenance or clearance work in the drawpoint. The Rock Feeder is then pushed back into the ore-filled drawpoint by hydraulic cylinders.</p> <p>The Rock Conveyor RM900 is a dedicated hard rock production conveyor that collects ore from various drawpoints and transports it to a crusher. The Rock Mover is an outboard chain conveyor with optimized line pan dimensions for easy handling and design features that lead to reduced wear. The conveyor length is variable to suit individual customer needs.</p>
CAT MINESTAR™ technologies	
Fleet	<p>Fleet is a comprehensive mine management system featuring an advanced truck assignment engine, health and operational event alarming, “what-if” analysis, productivity tracking, machine tracking, material management and a comprehensive reporting package. Integrating with other Cat MineStar System capability sets, Fleet improves productivity by 10-15%, eliminates misdirected loads, improves information availability and provides greater flexibility to adjust for changing mine and market conditions.</p>
Terrain	<p>Terrain enables high-precision management of drilling, dragline, grading and loading operations through the use of guidance technology. It increases machine productivity and operator efficiency by providing real-time feedback.</p> <p>Terrain for drilling increases hole placement and depth accuracy while removing the cost of drill pattern survey and staking. Position and status information of other drills working on the same pattern is provided to operators in real time on the in-cab display.</p> <p>Terrain for draglines enables production monitoring of all dragline activities, right down to individual bucket loads and dump locations. Machine performance, productivity and payload are monitored and organized in reports to optimize dragline output and minimize operating costs.</p> <p>Terrain for grading and loading help maximize machine efficiency by controlling grade, and monitoring ore bodies, bench height, cycle times, and volume of cut and filled material.</p>
Detect	<p>Detect helps increase operator awareness, enhancing safety at your operation. It includes a range of capabilities designed to assist the operator with areas of limited visibility around fixed and mobile equipment.</p> <p>Object Detection uses a combination of cameras, radars and a touch screen display to identify objects in close proximity at machine startup and slow speed operation. The display has proximity bars that indicate approximate distance to an object, providing enhanced operator awareness around the machine.</p> <p>Proximity Awareness provides complete coverage by utilizing GNSS to warn operators of nearby equipment and light vehicles whenever the machine is in operation. The on-board system, coupled with the office software, enables mine management to recognize hazards, define avoidance and speed limit zones, and capture events for future playback in the office.</p>
Health	<p>Health continuously monitors operating data and delivers critical exception-based equipment condition information for your entire fleet. It includes comprehensive, proactive health and asset monitoring capabilities, with a wide range of diagnostic, reporting tools, analytics and recommendations.</p>
Command for Dozing	<p>Command for dozing enables remote operation from a safe location away from the machine. Removing operators from the cab of a machine working in hazardous conditions promotes safety and reduces operator exposure to dust, noise and vibration. The operator console is a portable, over the shoulder unit that enables line of sight remote operation of the machine. Operating range is approximately 400 meters depending on the radio frequency selected. Terrain’s avoidance zone functionality (optional) can be utilized to further enhance safety.</p>
Command for Underground	<p>Command for underground is designed to enhance safety and boost operator efficiency and effectiveness. The system allows the operator to work from a safe and ergonomic work station far from the Load Haul Dump (LHD) machine – either on the surface or underground without sacrificing machine productivity. The system can also have a significant impact through increased machine availability, decreased operating costs and extended machine life.</p>
Please see your Cat dealer for specific model, region availability and application information.	

Product Family	CONSTRUCTION TECHNOLOGY						MINING TECHNOLOGY				
	AccuGrade	Cat Grade Control	Cat Compaction Control	Payload	Product Link	VIMS	Fleet	Terrain	Detect	Health	Command
Articulated Trucks				✓	✓	✓	✓		✓	✓	
Asphalt Compactors	✓		✓		✓						
Asphalt Pavers	✓	✓			✓						
Backhoe Loaders					✓						
Cold Planers		✓			✓						
Draglines							✓	✓	✓	✓	
Drills, Rotary							✓	✓	✓		
Drills, Track							✓	✓	✓		
Excavators	✓	✓		✓	✓			✓	✓		
Excavators, Demolition					✓			✓			
Excavators, Mass	✓	✓			✓		✓	✓	✓		
Excavators, Mini					✓						
Excavators, Wheel	✓				✓						
Feller Bunchers, Track					✓						
Feller Bunchers, Wheel					✓						
Forest Machines					✓						
Harvesters, Track (Except 501HD)					✓						
Industrial Loader					✓						
Integrated Toolcarrier					✓						
Landfill Compactors	✓				✓						
Longwall Mining, CST Drives										✓	
Longwall Mining, Plow										✓	✓
Longwall Mining, Roof Support									✓	✓	
Longwall Mining, Roof Support Carrier											
Longwall Mining, Shearer										✓	
Material Handlers, Track					✓						
Material Handlers, Wheel					✓						
Mining Trucks						✓	✓		✓	✓	✓
Motor Graders	✓	✓			✓	✓	✓	✓	✓	✓	
Multi Terrain Loaders	✓				✓						

Product Family	CONSTRUCTION TECHNOLOGY						MINING TECHNOLOGY				
	AccuGrade	Cat Grade Control	Cat Compaction Control	Payload	Product Link	VIMS	Fleet	Terrain	Detect	Health	Command
Off-Highway Trucks				✓	✓	✓	✓		✓	✓	
Pipelayers					✓						
Pneumatic Compactors	✓		✓		✓						
Room and Pillar, Continuous Miner					✓					✓	
Rotary Mixers					✓						
Shovels, Electric Rope					✓		✓	✓	✓	✓	
Shovels, Hydraulic							✓	✓	✓	✓	
Site Prep Tractors					✓						
Skid Steer Loaders	✓				✓						
Skidders, Wheel					✓						
Soil Compactors – 4-drum	✓		✓		✓	✓					
Telehandlers					✓						
Track Loaders					✓			✓			
Track Loaders, Compact	✓				✓						
Track-Type Tractors	✓	✓			✓	✓	✓	✓	✓	✓	✓
Underground Articulated Trucks						✓				✓	
Underground Load/Haul/Dump						✓	✓			✓	✓
Vibratory Soil Compactors	✓		✓		✓						
Vocational Trucks					✓						
Wheel Dozers					✓	✓	✓	✓	✓	✓	
Wheel Loaders				✓	✓	✓	✓	✓	✓	✓	
Wheel Loaders, Compact					✓						
Wheel Tractor Scrapers	✓	✓		✓	✓		✓	✓			

Notes



AEXQ0960-03 (01-15)

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