



## 2023 Hawthorne Cat Product Line

**HAWTHORNE**



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## Backhoe Loaders



Model	Net Power	Max. Operating Weight	Dig Depth
	hp	lb	Std. Stick
415 IL	69	17,637	NA
415	70	24,251	14
416	86	24,251	14
420	92	24,251	14
420 XE	92	24,251	14
430	107	24,251	15.1
440	104	29,321	15.5
450	131	29,321	17

## Compact Track Loaders



Model	Net Power	Operating Weight	Operating Capacity	Ground Pressure
	hp	lb	lb	psi
239D3	67.1	7,434	1,530	4.4
249D3	67.1	7,831	1,740	4.7
259D3	74.3	8,987	2,010	4.9
279D3	74.3	10,095	2,220	4.4
289D3	74.3	10,688	2,890	4.7
299D3	98	11,464	3,480	4.7
299D3 XE	110	11,756	3,560	4.8
299D3 XE Land Management	110	12,764	4,340	5.2

## Skid Steer Loaders



Model	Gross Power	Rated Operating Capacity	Operating Weight
	hp	lb	lb
226D3	67.1	1,550	5,849
232D3	67.1	1,900	6,514
236D3	74.3	1,800	6,567
242D3	74.3	2,200	7,138
246D3	74.3	2,200	7,478
262D3	74.3	2,700	8,296
272D3	98	3,450	9,133
272D3 XE	110	3,700	9,573

## Wheel Loaders



### Compact

Model	Gross Power	Operating Weight	Bucket Capacity
	hp	lb	yd³
903D	42	9,414	0.8 - 1.3
906	74.7	12,628	1.0 - 2.0
907	74.7	12,765	1.0 - 2.0
908	74.7	14,617	1.0 - 2.0
910	110	18,102	1.7 - 2.5
914	110	19,103	1.7 - 2.5
920	121	21,742	1.7 - 2.5

### Small

Model	Gross Power	Operating Weight	Bucket Capacity
	hp	lb	yd³
926M	168	28,193	2.5 - 6.5
930M	168	31,382	2.7 - 6.5
938M	188	35,778	3.2 - 6.5





## Wheel Loaders

### Medium



Model	Net Power hp	Operating Weight lb	Bucket Capacity yd <sup>3</sup>
950 GC	225	41,554	3.75 - 5.75
950	250	42,357	3.3 - 12
962	250	44,591	3.3 - 12
966 GC	292	48,018	4.25 - 9.25
966	321	51,124	3.75 - 15.5
966 XE	321	51,124	3.75 - 15.5
972	339	54,858	3.75 - 18.25
972 XE	339	54,858	3.75 - 18.25
980	393	66,877	5.25 - 19
980 XE	393	66,877	5.25 - 19
982	404	78,264	6.25 - 22.5
982 XE	404	78,264	6.25 - 22.5



### Large

Model	Net Power hp	Operating Weight lb	Bucket Capacity yd <sup>3</sup>
986K	373	98,806	6.5 - 13.5
988K	541	112,574	6.2 - 17
988K XE	538	116,362	6.2 - 17
990K	699	178,517	9.7 - 19.5
992	814	233,430	15 - 32
993	974	294,687	16 - 31
994K	1739	529,149	25 - 57
995	1739	540,055	22.3 - 57



## Steel Mill Arrangements

Model	Net Power hp	Operating Weight lb	Bucket Capacity yd <sup>3</sup>
988K	541	112,574	7.0 - 8.3
990K	699	204,693	11.2 - 12

## Waste/Scrap Handling Arrangements



Model	Net Power hp	Operating Weight lb	Bucket Capacity yd <sup>3</sup>
930M WHA	168	37,713	3.9 - 6.5
938M WHA	188	41,794	3.9 - 6.5

## Block Handler Arrangements



Model	Net Power hp	Operating Weight lb	Static Tipping Load Full turn (Articulated 35°) Forks (Rigid tire) lb
986K Block	373	116,688	69,053
988K Block	541	135,602	84,815

## Telehandlers



Model	Gross Power hp	Operating Weight lb	Rated Capacity lb	Max. Lift Height ft
TH255C	74	11,000	5,500	18.37
TL642	73.7	22,002	6,500	42
TL943	73.7/111	25,750	9,000	43
TL1055	134	31,700	10,000	54.9
TL1255	134	34,182	12,000	54.9

## Wheel Tractor - Scrapers



Model	Flywheel Power hp	Scraper Capacity (Heaped) yd³	Top Speed (Loaded) mph
621	407	24	33.5
623	407	23	33.5
627	407/290	24	33.5
631	570	34	34.7
637	570/290	34	34.7
651	629/473	44	34.9
657G	600/451	73	33
637 Coal	570/290	50	34.7
657	629/473	44	33
657 Coal	629/473	44	33

## Articulated Trucks



Model	STD Wheelbase in	Long Wheelbase in	Rated Payload ton
725 Bare Chassis	156.7	215.2	30.4
730 Bare Chassis	156.7	215.2	38.4
735 Bare Chassis	156.7	215.2	42.7
740 GC Bare Chassis	162.4	-	48.7
745 Bare Chassis	180.7	228.4	54.6

	Net Power hp	Rated Payload ton	Capacity (Heaped) yd³
725	342	26.5	19.6
730	370	31	23
730 EJ	367	30	22.1
735	424	35.3	26.2
740 EJ	496	42	30.1
740 GC	439	40	29.7
745	496	45.2	32.7

## Off-Highway Trucks



Model	Gross Power hp	Nominal Capacity ton	Top Speed mph
770G	515	42.1	45.8
772G	605	51.6	49.2
773G	775	61	41.6
775G	825	70.5	41.6
777G	1,025	98.4	41.7
785	1,600	153	34
789	2,100	211	35.5
793F	2,650	256	37.3
794 AC	3,500	327	37
796 AC	3,500	360	40
797F	4,000	401	42
798 AC	3,500	410	40

## OHT Trucks - Bare Chassis



Model	Chassis Weight (Without Hoist) lb	Tractor ROPS lb	Nominal Water Tank Capacity gal
772G WTR	59,567	77,430	11,000
775G WTR	76,573	85,288	15,000
777G WTR	112,656	133,082	20,000
785D WTR	177,309	207,234	30,000
793F WTR	-	-	52,000

# Hydraulic Excavators



## Mini

Model	Net Power	Operating Weight	Max Digging Depth
	hp	lb	in
300.9D	13	2,061	68
300.9D VPS & MPU300	13	2,399	68
301.5	21	3,913	100
301.7 CR	21	4,222	100
301.8	21	4,473	101.2
302 CR	21	4,987	101.2
302.7 CR	23.6	6,703	106.7
303 CR	23.6	7,817	116.1
303.5 CR	23.6	9,239	122.4
304	45	9,867	138.2
305 CR	45	12,688	144.5
306 CR	55.9	15,766	162
307.5	54.8	17,905	182.8
308 CR	69.5	20,077	182.8
308 CR VAB	69.5	20,385	150.2
309 CR	69.5	21,091	182.8
309 CR VAB	69.5	21,477	150.2
310	69.5	22,451	205.2

## Small

Model	Net Power	Operating Weight	Max Digging Depth
	hp	lb	ft
313 GC	73	30,400	19.8
313	108	30,400	19.8
315 GC	98	34,000	19.6
315	108	34,000	19.6
317 GC	119	38,100	21.0
317	130	40,200	21.0

## Medium

Model	Net Power	Operating Weight	Max Digging Depth
	hp	lb	ft
320 GC	146	48,300	22
320	172	48,300	22.1
323	172	54,900	22.1
325	172	62,800	22
326	202	56,400	22.38
330 GC	202	67,900	23.8
330	273	69,200	23.8
335	273	77,000	22.11

## Large

Model	Net Power	Operating Weight	Max Digging Depth
	hp	lb	ft
336	302	81,200	27
340	347	82,700	27
350	414	105,100	27
352 Fixed Gauge Undercarriage	443	111,300	27
352 Variable Gauge Undercarriage	443	113,500	27.4
374	485	158,100	28.1
395	543	207,300	31.75



# Demolition Excavators

Model	Net Power	Operating Weight	Max. pin height at stick nose	Max. weight at stick nose
	hp	lb	ft	lb
340	314	88,500	45.2	10,570
340 UHD	314	128,000	72.2	8,160
352 UHD	425	151,483	90.75	8,157

## Long Reach Excavators



Model	Net Power hp	Operating Weight lb	Max Digging Depth ft
340	311	96,700	42.8
352 LRE	424	128,800	42.8

## Wheeled Excavators



Model	Net Power hp	Travel Speed mph	Oper. Weight (Max.) lb
M314	134	23	39,683
M315	148	21.7	39,680
M316	148	21.7	36,400
M318	174	21.7	43,980
M319	174	21.7	46,407
M320	174	21.7	46,740
M322	174	18.6	52,911

## Wheel Material Handlers



Model	Net Power hp	Operating Weight lb	Max. Reach ft
MH3022	145	54,000	33.8
MH3024	174	59,100	39.4
MH3026	174	64,375	42.7
MH3026F	176	55,601 - 57,651	40.9
MH3040	205	84,940	50.8

## Track Material Handlers



Model	Net Power hp	Operating Weight lb	Max. Reach ft
MH3250	314	107,700	52.5
MH3260	317	133,200	59.1

## Track Loaders



Model	Net Power hp	Operating Weight lb	Rated Bucket Capacity yd³
953	160	34,594	2.4
963	202	44,881	3.2
973K	275	63,900	4.2

## Dozers



Model	Net Power hp	Operating Weight lb	Blade Capacity yd³
D1	80	17,855	2.17
D2	92	18,382	2.42
D3	104	20,639	3.06
D4	130	29,258	4.26
D5	170	42,263	5.5
D6	215	50,733	7.5
D6 XE	215	51,333	7.5
D7	265	65,644	10
D8	354	87,600	13
D9	452	110,225	21.7
D10T2	600	154,700	24.2
D11	850	229,800	45
D11/D11 CD	850	229,800	45

## Landfill Compactors



Model	Net Power hp	Operating Weight lb	Blade Width (over end bits) ft-in
816	249	57,345	12.0
826K	405	90,207	14.9
836	496	123,319	17.0

## Soil Compactors



Model	Net Power hp	Operating Weight lb	Blade width (over end bits) ft-in
815	249	49,652	12.3
825K	405	78,326	15.2

## Wheel Dozers



Model	Net Power hp	Operating Weight lb	Blade Capacity yd³
814	249	48,526	3.72
824K	405	74,966	6.6 - 21.2
834K	496	105,271	10.3 - 29
844K	752	165,089	20.7 - 40.2
854K	907	224,254	33 - 58

## Wheel Dozer Scoops



Model	Net Power hp	Operating Weight lb	Scoop Capacity yd³
834K - Coal	496	112,838	30 - 60
834K - Wood Chips	496	112,838	35 - 70

## Motor Graders



Model	Net Power hp	Operating Weight lb	Blade Width ft
120 GC/ 120 GC AWD	171	35,494 - 36,376	12
120/120 AWD	139	35,067 - 36,846	12
140/140 AWD	179	42,647 - 44,614	12
140 GC/140 GC AWD	196	38,912 - 42,119	12
140/140 AWD-LVR	250	42,325	12
150/150 AWD	200	43,950	12
160/160 AWD	221	45,547	14
14	238	57,250	14
16	290	71,454	16
18	304	74,324	18
24	535	161,695	24

## Wheel Loaders



### Millyard Arrangements

Model	Net Power hp	Operating Weight lb	Static tipping load (articulated) lb
988K	541	139,920	68,005
990K	699	202,398	81,896



## Hydraulic Shovels



Model	Engine Output hp	Operating Weight tons	Bucket Payload tons
6015	824	154.3	16.1
6020B	1,040	253.8	23.8
6030	1,620	324	33
6030 AC	1,620	324	34
6040	2,079	446	43.7
6060	3,023	660	67
6060 AC	1,800	605.2	67.5

## Pipelayers



Model	Power hp	Operating Weight lb	Lifting Capacity lb
PL61	130	39,890	40,000
PL72	211	68,945	90,000
PL83	319	109,000	170,000
PL87	319	121,795	216,000

## Rotary Drills



Model	Engine	Bit Load up to lb	Hole Diameter in
MD6200	Cat C18	37,400	5.0 - 7.87
MD6250	Cat C27	71,993	6 - 9.8
MD6310	Cat C32	92,922	8 - 12.25
MD6640	AC Motor	141,096	9.6 - 16

## Electric Rope Shovels



Model	Dipper Payload ton	Dipper Capacity yd <sup>3</sup>	Working Weight lb
7295	50	25 - 50	1,748,837
7395	70	27 - 73	2,652,000
7495 HD	90	36 - 79	2,856,700
7495 w/Rope Crowd	120	40 - 82	3,056,000
7495 w/HydraCrowd	120	40 - 82	3,066,000
7495 HF w/Rope Crowd	120	40 - 82	3,155,000
7495 HF w/HydraCrowd	120	40 - 82	3,164,000

## Draglines



Model	Bucket Capability yd <sup>3</sup>	Boom Length ft	Approx. Operating Weight mil. lb
8000	31 - 44	246 - 331	3.9 - 4.4 million
8200	60 - 80	328	8.5 - 9.1 million
8750	100 - 152	360 - 435	13.1 - 15.9 million

# Longwall Mining Equipment



## Customized Roof Support Systems

Model	Shield Centers in/mm	Height in/mm	Shield Density t/ft <sup>2</sup> / t/m <sup>2</sup>
Range of Roof Supports	59 - 80.7 in 1200 - 2050 mm	43.3 - 240.2 in 1100 - 6100 mm	up to 12.5 t/ft <sup>2</sup> 111 t/m <sup>2</sup>



## Shearers

Model	Seam Range in	Haulage Power hp	Cutting Power hp	Minimum Pan Width in
EL1000	63 - 156	2 x 134 hp@60hz	2 x 805 hp@60hz	32.7
EL1000	71 - 177	2 x 168 hp@60hz	2 x 1,380 hp@60hz	40.6
EL1000	98 - 217	2 x 200 hp@60hz	2 x 134 hp@60hz	44.6



## Automated Plow Systems

Model	Typical Cutting Height in	Installed Power hp
RHH800	31.5 - 63	2 x 536
GH800	39.4 - 78.7	2 x 536
GH800B	31.5 - 78.7	2 x 536
GH1600	43.3 - 90.6	2 x 1,080



## 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



## Armored Face Conveyors (AFC)

Model	Width Outside in	Dogbone Breaking Force lbf	Top Plate Thickness in	Average t/h
PF3	32.36	449,618	1.18	1300
PF4	36.69 40.62 44.56	809,312	1.52	1800 2500 3500
PF5	41.02 44.96 52.83	1,011,640	1.96	2500 3500 5000
PF6	41.02 44.96 52.83	1,011,640	1.18+ 0.98	2500 3500 5000
PF7	60.71	1,011,640	1.18+ 0.98	6200
PF HD	53.62	505,820	2.76	4409 - 7716



## CST Drives

Model	Installed Power in	Maximum Output Torque (for a short duration of 3 sec) lb-ft	Primary Use
30	up to 816	221,269	AFC
45	up to 1,305	331,858	AFC
45-M	up to 1,305	331,858	AFC-Plow
45-V	up to 1,713	331,858	AFC
65	up to 1,958	479,415	AFC
115	up to 2,937	848,196	AFC



## Variable Frequency Drives

Model	Rated Power hp	Input Voltage V	Maximum Operational Force %	Operation t/h
VFD-A800/W800	1,072	3,300V±10%	210%	4Q
VFD-A1200/W1200	1,609	809,312	210%	4Q

# Hard Rock Mining Equipment



## Underground Trucks

Model	Gross Power hp	Payload Capacity tons	Body Capacity yd <sup>3</sup>
AD22	325	22	11.8 - 15.7
AD30	409 <sup>3.5</sup> 409 <sup>4.5</sup>	39.1	11.3 - 17.5
AD45	599	49.6	23.5 - 32.8
AD45B	587 <sup>3.5</sup> 547 <sup>4.5</sup>	49.6	18.0 - 25.1
AD60	751 <sup>1.3.5</sup> 776 <sup>2.3.5</sup>	66.1	26.9 - 36.6
AD63	789	69	-

<sup>1</sup> 1st gear

<sup>2</sup> 2nd - 7th gear

<sup>3</sup> Ventilation reduction

<sup>4</sup> Meets Tier 3 equivalent emission standards

<sup>5</sup> SAE J1995



## Underground Loaders

Model	Engine	Gross Power hp	Nominal Load Capacity lb
R1300G	3306B DITA	165	14,991
R1600H	C11	279	22,487
R1700G	C11	353	27,558
R1700	C13	361	33,069
R2900G	C15	409	37,920
R2900	C15	409	37,920
R3000H	C15	409	44,092

## Rock Straight System

The Cat® Rock Straight System is a fully mechanized longwall system designed for continuous mining low, flat tabular seams of hard rock minerals such as gold, platinum and copper. The Cat® Rock Straight System is a very economical alternative to drill-and-blast operations. **Please contact our dealership for more details.**

## Rock Flow System

Caterpillar developed a new technology that radically changes the way ore is moved in block-caving mines from draw point to crusher. Rock Flow is achieved through continuous caving, removal from the drawpoint and conveying. The Cat® Rock Flow system is comprised of several components, all centrally controlled from a remote location: the Rock Feeder RF300 to remove ore from the drawpoint, the Rock Mover RM900 (a newly developed chain conveyor) to feed ore into a crusher and an automation unit to control and smooth the production process. **Please contact our dealership for more details.**

## Rock Header

The Rock Header provides a very significant increase in development rates compared to drill & blast operations. Due to its flexibility, the Rock Header can be utilized to cut the various courses of mine development including turn-outs and curves. **Please contact our dealership for more details.**

## Asphalt Paving Machines



### Wheel Pavers

Model	Gross Power hp	Operating Weight lb	Std. Paving Range ft-in
AP300	74.8	14,550	5' 9" - 13' 1"
AP400	120	23,327	8' - 20'
AP500	148	25,311	8' - 20' 6"
AP600	173	29,391	8' - 21' 4"
AP1000	225	34,228	10' - 25' 6"

### Track Pavers

Model	Gross Power hp	Operating Weight lb	Std. Paving Range ft-in
AP355 Mobil-trac™	74.8	16,094	5' 9" - 15' 1"
AP455 Mobil-trac	120	24,837	8' - 20'
AP555 Mobil-trac	148	26,993	8' - 20' 6"
AP655 Mobil-trac	173	33,730	8' - 21' 4"
AP1055 Mobil-trac	225	36,800	10' - 33'

## Screeds



Model	Weight lb	Standard Paving Range ft-in	Max. Paving Width ft
SE34 V	3,086	5' 9" - 11' 2"	15' 1"
SE47 FM	6,200	8' - 15' 6"	20' 6"
SE47 V	5,850	8' - 15' 6"	20'
SE50 V	7,239	8' 4" - 16' 4"	21' 4"
SE50 VT	7,695	8' 4" - 16' 4"	26' 4"
SE60 FM	7,800	10' - 19' 6"	25' 6"
SE60 V	7,495	9' 10" - 19' 6"	25'
SE60 V XW	8,973	9' 10" - 19' 6"	33'
SE60 VT XW	9,991	9' 10" - 19' 6"	33'

## Asphalt Compactors



Model	Gross Power hp	Operating Weight lb	Compaction Width in
CB1.7	24.7	3,538	35
CB1.8	24.7	3,825	39
CB2.5	48.2	5,546	39.4
CB2.7	48.2	5,936	47.2
CB2.9	48.2	6,415	51.2
CC2.7	48.2	5,718	47.2
CB2.5 GC	24.7	5,546	39.4
CB2.7 GC	24.7	5,936	47.2
CC2.7 GC	24.7	5,718	47.2
CB4.0	48.2	7,971	51.2
CB4.4	48.2	8,362	55.1
CC4.0	48.2	7,889	51.2
CB7	100	19,015	59
CB8	100	18,783	67
CB10	120	21,642	67
CB13	142	27,557	79
CB15	142	28,958	84
CB16	142	31,941	84
CCS9 Combi	131	19,842	84

## Pneumatic Rollers



Model	Gross Power hp	Operating Weight lb	Compaction Width in
CW34	133	59,525	82"
CW16 9-Wheel	100.5	33,069	68"
CW16 11-Wheel	100.5	32,849	84"



## Vibratory Soil Compactors



Model	Gross Power hp	Operating Weight lb	Compaction Width in
CP11 GC	120.7	25,109	84
CP12 GC	120.7	27,869	84
CP34	74	9,850	50
CP44B	100.6	16,471	66
CP54B	131	24,539	84
CP56B	157	25,707	84
CP68B	157	32,370	84
CP74B	173.7	36,048	84
CS10 GC	120.7	23,136	84
CS11 GC	120.7	24,775	84
CS12 GC	120.7	27,900	84
CS34	74	9,799	50
CS44B	100.6	15,895	66
CS54B	131	23,265	84
CS56B	157	25,346	84
CS64B	131	26,569	84
CS68B	157	31,572	84
CS74B	173.7	35,264	84
CS78B	173.7	41,214	84

## Cold Planers



Model	Gross Power hp	Operating Weight lb	Milling Width in	Max. Working Depth in
PM310 Track	336.6	48,016	39.4	13
PM312 Track	336.6	48,429	48.2	13
PM313 Track	336.6	48,658	51.2	13
PM310 Wheel	336.6	46,473	39.4	13
PM312 Wheel	336.6	46,886	48.2	13
PM313 Wheel	336.6	47,115	51.2	13
PM620	630	73,480	79.1	13
PM622	630	74,737	88	13
PM820	800.6	79,653	79.1	13
PM822	800.6	80,910	88	13
PM825	800.6	82,673	98.6	13

## Road Reclaimers



Model	Gross Power hp	Operating Weight lb	Cutting/Mixing Width in	Max. Working Depth in
RM400	415.7	58,863	96	20
RM500B	546	62,611	96	20
RM600	636	79,397	96	20
RM800	762	75,722	96	20

# WEILER PAVING PRODUCTS

## Asphalt Paving Machines



Model	Engine	Width in	Weight lb
<b>P65</b> Gravity Feed Paver	Cat C2.2 Tier 4	98	12,600
<b>P195</b> Path Paver	Cat C2.2 Tier 4F/ST V	55	13,000
<b>P265</b>	Cat C3.4B Tier 4F	98	16,200
<b>P285</b>	Cat C2.8 Tier 4F/ST V	98	18,000
<b>P385C</b>	Cat C3.6 Tier 4F/ST V	102	20,500
<b>P395</b>	Cat C3.6 Tier 4F/ST V	102	25,000

### Fixed Screeds

Model	Paving Width ft	Weight lb
<b>SE8F</b>	8 - 15.5	6,200
<b>SE10F</b>	10 - 19.5	7,800
<b>SF10</b>	10 - 24	6,800

## Compactors



Model	Engine	Power hp	Drum Width in	Operating Weight lb
<b>C303</b>	Cat C1.1 Tier 4	24	38	5,700
<b>C307A</b> Static Split-drum	Cat C3.4B Tier 4	74	50	14,080
<b>C310A</b> Static Split-drum	Cat C3.4B Tier 4	74	50	20,160

### Pneumatic Compactors

Model	Engine	Power hp	Drum Width in	Operating Weight lb
<b>CT3A</b> Pneumatic	Cat C1.7 Tier 4F/ST V	25	-	5,020

## Force Feed Loader



Model	Engine	Gross Power hp	Belt Width in	Weight lb
<b>E1050</b>	Cat C4.4 Tier 4F	137	30	20,160

## Tack Distributors



Model	Engine	Power hp	Capacity gal
<b>TS250</b> Skid mount	Kohler	5.5	250
<b>TT250</b>	Kohler	5.5	250
<b>TT300</b>	Kohler	9.5	300
<b>TT500</b>	Kohler	5.5	500
<b>TT600</b>	Kohler	9.5	600

## Windrow Elevators



Model	Engine	Power hp	Weight lb
<b>E650C</b>	Cat C4.4 Tier 4	137	21,860
<b>E550C</b>	Cat C4.4 Tier 4	137	21,400

## Remixing Transfer Vehicles



Model	Engine	Power hp	Weight lb
<b>E1250C</b>	Cat C7.1 Tier 4F/ST V	250	54,000
<b>E1650A</b>	Cat C7.1 Tier 4F/ST V	250	67,200
<b>E2850C</b>	Cat C7.1 Tier 4F/ST V	300	75,000
<b>E2860C</b>	Cat C7.1 Tier 4F/ST V	300	72,500

## Road Wideners



Model	Engine	Strike-off ft	Weight lb
W330B	Cat C2.2T Tier 4	1 - 6	14,800
W430B	Cat C2.8 Tier 4F/ST V	1 - 8	19,500
W530B	Cat C3.6 Tier 4F/ST V	1 - 10	26,327
W730C	Cat C4.4 Tier 4F/ST V	1 - 14	37,200

## Rock Drills



Model	Engine	Gross Power hp	Max Depth in	Weight lb
D460	Cat C7.1 Tier 4	300	102.5	45,500
D560	Cat C9.3 Tier 4	375	102.5	48,500

## Soil Stabilizer



Model	Engine	Gross Power hp	Operating Width/Depth in	Weight lb
S200	Cat C9.3B Tier 4	375	78/14	42,000

## Motor Grader



Model	Engine	Gross Power hp	Max speed mph	Weight lb	Blade Range
G65	Cat C3.6 Tier 4F/Stage V	120	24	17,000	53° to 107.5°

## Lightweight Auger Extension



### F - Series Augers

Part	Length ft	Diameter in
30065 Left Hand	4'	16"
30064 Right Hand	4'	16"
30062 Left Hand	3.5'	16"
30061 Right Hand	3.5'	16"
30068 Left Hand	3'	16"
30067 Right Hand	3'	16"
34196 Left Hand	2'	16"
34197 Right Hand	2'	16"
30071 Left Hand	1.5'	16"
30070 Right Hand	1.5'	16"

### D- Series / E - Series Augers

Part	Length ft	Diameter in
21938 Left Hand	4'	16"
21939 Right Hand	4'	16"
25639 Left Hand	3.5'	16"
25640 Right Hand	3.5'	16"
22175 Left Hand	3'	16"
22176 Right Hand	3'	16"
22173 Left Hand	2'	16"
22174 Right Hand	2'	16"

## LED Dual-Panel Lights



Durable and versatile, the dual-panel provides a 210° beam spread for excellent flood lighting that is securely mounted, yet easily moved machine to machine as needed. LED technology increases efficiency while reducing heat for longer life. Die-cast housing, reinforced gasketed bezel and heavy-duty storage case protect the lights on and off your jobsites.

# WORK TOOL ATTACHMENTS

## PRODUCTIVITY BOOSTERS

Top-quality, application-matched Cat® Work Tool Attachments are the perfect choices to boost the productivity and versatility of your Cat machines, while also enhancing their resale value. D3 Series Skid Steer Loaders and Compact Track Loaders readily accept three recently upgraded SMART attachments: Dozer Blade, Grader Blade and Backhoe. Their control systems enable operators to easily adapt each machine's standard controls to precisely match the recognized control needs of these SMART Attachments.

An ASSIST feature enhances operator proficiency for achieving smoother grades in fewer passes by coordinating machine and blade movements. Operators can concentrate on quickly cutting and placing materials to achieve specified grades. Whether using SMART or conventional attachments, you'll have the application-matched solutions you need to cut or fill, rip or tear, sort or load, dig or lift, move or level, pulverize or crush.

**Contact our dealership to learn more about the productivity boosting benefits of Cat SMART and conventional Work Tool Attachments.**

## SMART Attachments

### SMART Dozer Blade

Available for Cat 279D3, 289D3, 299D3 and 299D3 XE Series machines, operators can cut, move, fill and grade any material. The blade features a curved moldboard that keeps material rolling and a trapezoidal design with angled end bits that enable operators to flush-cut against vertical surfaces when the blade is fully tilted. The D3 Series host machine recognizes the attachment and unlocks special display screens, enabling the operator to select how the blade is controlled. The standard joystick control functions can be modified to match specific application needs. The ASSIST feature's memory enables operators to recall previously used settings at the touch of a joystick button.



### SMART Grader Blade

The Cat GB120 and GB124 are available for D3 Series machines, which recognize the D3 host machine and unlocks special display screens that provide options for attachment control, enabling joysticks to be repurposed to activate attachment functions. The right joystick operates blade tilt, angle and lift. The ASSIST feature enables selection of the Cross Slope Left or Right patterns, independent of the machine's operating angle. As the blade is angled and geometry changes, the SMART attachment even calculates and maintains the cross-slope setting.



### SMART Backhoe

The Cat BH130 significantly increases versatility, enabling them to be used in a wider range of tasks, including utility trenching, digging footings, and forming/maintaining drainage ditches. The backhoe is also compatible with Cat 3-ton excavator attachments, and its auxiliary-hydraulic system enables pairing with hydro-mechanical work tools, including hammers, thumbs, augers, and vibratory compactors. The backhoe hydraulically shifts side-to-side, enabling digging adjacent to buildings and footings, and integrated stabilizers provide a solid digging platform.



### 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, Compact Track Loaders, Compact Wheel Loaders, Mini Excavators and Backhoe Loaders.



### Bale Grabs and Bale Spears

Bale Grabs safely grab and carry square or round baled material. Bale Spears are ideal for handling hay bales, both round and square as well as other baled material in agricultural applications.



### 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 machine's productivity in many different industries and applications. Every Cat Blade is designed to perfectly match the machine's configuration, extending your effective scope 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/CTL-based heads can process brush, shrubs, and grasses. Cat® Brushcutters are well suited for high-production brush cutting for land management projects.



### Buckets—Excavator

Caterpillar offers a wide variety and many sizes of excavator buckets including: clean-up, digging, ditch cleaning, ditch cleaning tilt, extreme duty, general duty, grading, heavy duty and severe duty. Consult with the experts at our dealership to ensure selection of the most efficient bucket for your machine and application.



### Buckets—Loaders

Cat® Loader Buckets are designed to load easily and efficiently in all applications. Grading bucket's long, flat floor can scoop material, level or backfill.



### 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 Loaders, Compact Track and Wheel Loaders and Backhoe Loaders.



### Compactors—Drum

Vibratory drum compactors are used for compacting soil, sand and gravel prior to pouring concrete or laying asphalt surfaces. Vibratory action and dynamic force combine to provide excellent compaction in a compact size. This compactor style is designed for use on Cat Skid Steer Loaders, Compact Track and Wheel Loaders.



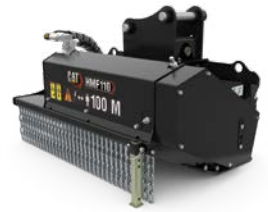
### Compactors—Plate

Vibratory Plate Compactors are used for compacting soil, sand and 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 Loaders, Compact Track and Wheel Loaders.



### Flail Mowers

Flail mowers are ideal for efficient cutting and mulching of vegetation and overgrowth for both commercial and residential properties.



### Forks—Forestry

Several fork types are available for heavy-duty forestry and millyard applications. Logging, millyard, grapple and lumber forks are available for loading and unloading trucks, decking and feeding the mill, plus handling and sorting lumber, logs and palletized materials.



### Forks—Pallet

Many pallet fork sizes are available to equip the smallest to largest machines for handling all types of materials. From bulky, palletized material found on most every construction site to bagged fertilizer and seed on landscaping and nursery sites—pallet forks provide some of the best versatility.



### Forks—Pipe and Pole

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 two to 36 inches in diameter. Clamping surface has rubber contact pads to protect pipe from damage.



### Grapples—Contractors

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 enables easy loading, more penetration into scrap debris, and unrestricted release of material when unloading.



### Grapples—Demolition and Sorting

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



### Grapples—Forestry

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. Available in a wide range of sizes.



### Grapples—Orange Peel

Continuous 360° rotation gives material handler operators full control to position the grapple swiftly and precisely in scrap and other materials. 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.



### Grapples—Trash

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



### Grapple Buckets, Forks and Rakes

Grapple buckets, forks and rakes are designed to handle bulky materials. They are built for compact track and skid steer loaders, compact wheel loaders and telehandlers. Utility grapple buckets, forks and rakes handle light materials while industrial grapples are best for heavy-duty usage.



### Hammers

Cat Hydraulic Hammers make short work of your demolition, construction, quarry and production breaking needs. A sealed, sound-suppressed housing protects the power cell and significantly reduces sound levels on 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.



### Lift Groups

Balderson Parallel Lift Groups enable 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.



### 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.



### 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/CTL-based heads can process trees up to 8" diameter, providing effective solutions for land management projects. These rugged heads can also incorporate the mulch and nutrients into the soil, reducing erosion.



### 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 offers the flexibility to choose the right jaw set for cutting and crushing most any material and scrap on demolition jobsites.



### 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 help reduce the largest amount of on-site concrete in the shortest time.



### 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. Quick Couplers are available for loaders, excavators and backhoes.



### Rakes—Landscape

This rake style uses hardened teeth to pulverize, aerate, level and condition the soil—while collecting and depositing rocks and debris into 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.



### Rakes—Loader

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 designs are ideal for working in clay and other heavy soils. Rakes are available with or without a top clamp for wheel and track loaders.



### Rakes—Power Box

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



### 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 eliminate blasting rock prior to truck loading.



### Rotors

Caterpillar offers a wide variety of sturdy rotors for reclaimers and milling machines. Designed and built to precisely match the Cat machines they're mounted on, they maximize efficiency, enhance productivity and ensure longer service life.



### 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 loaders, skid steer loaders and compact wheel loaders.



### Scarifiers

Scarifiers are designed for a wide variety of ground-preparation applications. These attachments are available for Cat Motor Graders.



### 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.



### Silage Defacers

Cat Silage Defacers are designed to prepare silage and haylage for feed. With high-torque motors, the Cat Silage Defacers face-through bunks reliably and ensure minimal oxygen penetration reducing waste.



### Snow Blowers

Cat Snow Blowers utilize a two-stage auger and impeller design to move a greater volume of snow quickly and efficiently. Compatible with Compact Track Loaders, Skid Steer Loaders, and Compact Wheel Loaders. Cat Snow Blowers are designed for removing snow from streets, parking lots, driveways and sidewalks.



### 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 V-plow styles equip your Cat Loaders and Motor Graders for high-volume snow removal.



### Stump Grinders

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



### Thumbs

Thumbs work in conjunction with excavator buckets, enabling the machine to pick, sort, stack, load and move various materials found on the jobsite. 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.



### 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-finishing applications. Cat Tillers are compatible with compact track loaders, skid steer loaders and compact wheel loaders.



### Trenchers

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



### 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, enables operators to place materials and equipment in hard to reach areas.



### Winches

Cat Retrieval Winches are built for easy installation on small dozers and are designed to handle various winch applications requiring high line pull and smooth speed modulation. They offer superior versatility and are ideal for dozers used in utility and retrieval type jobs.





# ALL THE RIGHT PARTS RIGHT NOW



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# PERFORMANCE PRO



Delivered Parts | Connected Insights | Quality Service

*Performance Pro Customer Value Agreements (CVAs) help keep your Cat® machine easy to own and ready to work with hassle-free maintenance. A Performance Pro CVA from Hawthorne Cat combines scheduled services, routine replacement parts, equipment inspections, and machine health monitoring in one agreement. With a Performance Pro CVA, scheduling your planned maintenance around how you work, you'll find it's never been easier to own Cat equipment. Hawthorne Cat Performance Pro CVA can even extend the life of your machine and give your operation more up time.*

**We offer three types of CVAs based on who will perform your planned maintenance.**

- **DO-IT-MYSELF Option:** If you are comfortable performing service on your own, you can take advantage of our DO-IT-MYSELF option. This agreement includes only self-service Hawthorne Performance Pro CVA PM Kits, with parts instructions to make it easy.
- **WORK-WITH-ME Option:** Looking for something in the middle? Consider a WORK-WITH-ME option, where you handle simple maintenance milestones self-service and get certified-service on more complex planned maintenance and machine inspections.
- **DO-IT-FOR-ME Option:** Don't have the time to perform your own service? Take advantage of our DO-IT-FOR-ME option. Our certified-service options include PM Kits with Genuine Cat Parts and comprehensive inspections.

Regardless of your choice in service level, all agreement options come with productivity solutions and dealer support to help you get the most out of your machine:

## 01 THE PARTS YOU NEED

- Hawthorne Cat CVA PM Kit(s) with Genuine Cat® Parts come standard with every agreement.
- PM Kits include S•O•S<sup>SM</sup> Oil Sampling to detect early signs of potential problems or abnormal wear.
- Parts when promised.
- Customizable parts ordering for upgraded packages.

## 02 SERVICES YOU WANT

- Hawthorne Cat is here to help with service reminders and expert insights on your equipment and parts.
- Experience planned maintenance on your terms: you can do it yourself, get a little help or have Hawthorne Cat do all the work.
- Priority appointment scheduling.

## 03 THERE'S AN APP FOR THAT

- My.Cat.com gives you real-time access to equipment data with 24/7 asset monitoring and machine information to help you optimize your operation.
- Use the Cat Inspect app to easily download inspection forms, complete inspections and share results.

## 04 WE MAKE IT EASY

- One fixed payment keeps your planned maintenance costs predictable and stress-free.
- CVAs are eligible to be included as part of your monthly machine payment on new equipment.
- Additional upgrade packages available for specified components.
- Or pay as you use.

**TO LEARN MORE,** ask your dedicated Hawthorne Product Support Sales Representative.

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[hawthornecat.com](http://hawthornecat.com)

# Electric Power Generator Set Packages - Diesel



## 60 Hz, 36 - 750 kW Diesel Ratings

Single Phase Output* 1800 rpm			
kW			
Model	Standby/Prime	Engine	Configuration
D40S	40/36	C4.4	ESE
D50S	50/45	C4.4	ESE
D60S	60/55	C4.4	ESE
D80S	80/72	C4.4	ESE
D100S	100/90	C4.4	ESE
Three Phase Output** 1800 rpm			
D40	40/36	C4.4	ESE
D50	50/45	C4.4	ESE
D60	60/55	C4.4	ESE
D80	80/72	C4.4	ESE
D100	100/90	C4.4	ESE
D125	125/114	C7.1	ESE
D150	150/136	C7.1	ESE
D175	175/158	C7.1	ESE
D200	200/NA	C7.1	ESE
200	200/180	C9	ESE
250	250/225	C9	ESE
300	300/275	C9	ESE
350	350/320	C13	ESE
400	400/365	C13	ESE
350	350/320	C15	ESE
400	400/365	C15	ESE
450	450/410	C15	ESE
500	500/455	C15	ESE
500	500/455	C18	EPA Tier 4 Final
550	550/500	C18	ESE
600	600/545	C18	ESE
650	650/600	C18	ESE
700	700/635	C18	ESE
750	750/680	C18	ESE

\*All ratings at 1.0 pf.

\*\*All ratings at 0.8 pf. ESE = "EPA Stationary Emergency"

## 60 Hz, 180 - 4000 kW Diesel Ratings

Three Phase Output* 1800 rpm			
kW*			
Model	Standby/Prime	Continuous	Configuration
C9	200/180	-	ESE
C9	250/225	-	ESE
C9	300/275	-	ESE

## 60 Hz, 180 - 4000 kW Diesel Ratings (Cont.)

Three Phase Output* 1800 rpm			
kW*			
Model	Standby/Prime	Continuous	Configuration
C13	350/320	-	ESE
C13	400/350	-	ESE
C15	450/410	-	ESE
C15	500/455	-	ESE
C18	500/455	-	EPA Tier 4 Final
C18	550/500	-	ESE, Low BSFC
C18	600/545	-	ESE, Low BSFC
C18	650/600	-	ESE, Low BSFC
C18	700/635	-	ESE, Low BSFC
C18	750/680	-	ESE, Low BSFC
C27	750/680	-	ESE, Low BSFC
C27	800/725	-	ESE, Low BSFC
C32	1000/910	830	ESE, Low BSFC
C32	1100/1000	-	ESE, Low BSFC
C32	1250/1136	-	ESE, Low BSFC
3512C	1500/1360	1230	ESE
3512C	1750/NA	-	ESE
3516C	2000/1825	1650	ESE
3516C	2000/1825	1650	EPA Tier 4 Final
3516C	2250/2045	-	ESE
3516C	2500/2250	2050	ESE
3516C	2500/2250	-	EPA Tier 4 Final
3516E	2750/2500	-	ESE
3516E	3000/2725	-	ESE
C175-16	3000/2725	2500	EPA Tier 4 Final ESE, Low BSFC
C175-16	3250/3000	-	ESE
C175-20	3500/3180	-	ESE
C175-20	3900/3500	3150	ESE, Low BSFC
C175-20	4000**/3600**	3250**	ESE, Low BSFC

\*All ratings at 0.8 pf.

\*\*Rating does not include package mounted radiator. ESE = "EPA Stationary Emergency"

## 60 Hz, 1525 - 5320 kW Diesel Ratings

900 rpm			
kW			
Model	Standby/Prime	Continuous	Configuration
C280-8*	NA/2420	2200	EPA Tier 4 Final
C280-12*	NA/3640	3300	EPA Tier 4 Final
C280-16*	NA/4840	4400	EPA Tier 4 Final

\*Tier 4 Final is met using AVERAGE, BANKING, and TRADING PROGRAM.

## 60 Hz, 40 - 1250 ekW Diesel - GC North America

Single Phase Output* 1800 rpm			
ekW			
Model	Standby/Prime	Engine	Configuration
D40 GC	40/NA	C4.4	EPA Tier III
D50 GC	50/NA	C4.4	EPA Tier III
D60 GC	60/NA	C4.4	EPA Tier III
D80 GC	80/NA	C4.4	EPA Tier III
D100 GC	100/NA	C4.4	EPA Tier III
D125 GC	125/NA	C7.1	EPA Tier III
D150 GC	150/NA	C7.1	EPA Tier III
D175 GC	175/NA	C7.1	EPA Tier III
D200 GC	200/NA	C7.1	EPA Tier III
D250 GC	250/NA	C9	ESE
D300 GC	300/NA	C9	ESE
D350 GC	350/NA	C13	ESE
D400 GC	400/NA	C13	ESE
D450 GC	450/NA	C15	ESE
D500 GC	500/NA	C15	ESE
D550 GC	550/NA	C18	ESE
D600 GC	600/NA	C18	ESE
D800 GC	800/NA	C27	ESE
D1000 GC	1000/NA	C32	ESE
D1250 GC	1250/NA	C32	ESE

\*All ratings at 0.8 pf. ESE = "EPA Stationary Emergency"

## 60 Hz, 59 - 2500 kVA Diesel Ratings - Rental Power

1800 rpm			
kVA			
Model	Standby/Prime	Continuous	Configuration
XQ60	NA/59	-	EPA Tier 4 Final
XQ125	138/125	-	EPA Tier 4 Final
XQ230	250/228	-	EPA Tier 4 Final
XQ425	469/425	-	EPA Tier 4 Final
XQ570	625/568	-	EPA Tier 4 Final
XQ1140	1250/1136	-	EPA Tier 4 Final
XQ2280	2500/2280	-	EPA Tier 4 Final

## Electric Power Generator Set Packages - Gas



### 60 Hz, 175 - 450 ekW Ratings - Natural Gas

Three Phase Output* 1800 rpm			
ekW			
Model	Standby	Engine	Configuration
DG175-1 GC	175	14.2	ESE
DG175-2 GC	175	14.2	ESE
DG200-1 GC	200	14.2	ESE
DG200-2 GC	200	14.2	ESE
DG230-1 GC	230	14.2	ESE
DG230-2 GC	230	14.2	ESE
DG250-1 GC	250	14.2	ESE
DG250-2 GC	250	14.2	ESE
DG275-1 GC	275	14.2	ESE
DG275-2 GC	275	14.2	ESE
DG300-1 GC	300	14.2	ESE
DG300-2 GC	300	14.2	ESE
DG350-1 GC	350	21.9	ESE
DG350-2 GC	350	21.9	ESE
DG400-1 GC	400	21.9	ESE
DG400-2 GC	400	21.9	ESE
DG450-1 GC	450	21.9	ESE
DG450-2 GC	450	21.9	ESE

\*All ratings at 0.8 pf.

### 60 Hz, 350 - 2500 ekW Ratings - Natural Gas

Three Phase Output* 1800 rpm			
ekW			
Model	Standby	Engine	Configuration
DG350	350	CG18	EPA Factory Certified
DG400	400	CG18	EPA & ESE Factory Certified
DG450	450	CG18	EPA Factory Certified
DG500	500	CG18	EPA Factory Certified
G3412C	423	G3412C	-
G3412C	500	G3412C	-
G3412	500	G3412 with FAST RESPONSE	EPA Factory Certified
G3512	750	G3512 with FAST RESPONSE	EPA Factory Certified
G3512	1000	G3512 with FAST RESPONSE	EPA Factory Certified
G3516	1500	G3516 with FAST RESPONSE	EPA Factory Certified
G3520	2000	G3520 with FAST RESPONSE	EPA Factory Certified
G3520	2500	G3520 with FAST RESPONSE	EPA Factory Certified

\*All ratings at 0.8 pf.

The following Certifications are applicable for US Sales:

ESE = "EPA Stationary Emergency"

SCAQMD = "South Coast Air Quality Management District"

EPA = "EPA Non-Emergency"

## 60 Hz, 253 - 4050 ekW Ratings - Natural Gas

1800 rpm	
Model	ekW Continuous*
G3406	235
G3412	253
CG132B-8	400
G3412	423
G3412C	453
CG132B-12	600
CG132B-16	800
G3516	1300
G3516C	1663
G3520C	2077
1500 rpm	
CG170-12	1125
CG170-12	1200
G3512H	1490
CG170-16	1500
CG170-16	1560
G3516H	1982
CG170-20	2000
G3520H	2483
900 rpm	
CG260-12	3000
CG260-16	4000
CG260-16	4050

\*All ratings at 0.8 pf. Note: Electric output depends on final generator specification. <250 mg NO<sub>x</sub>/Nm<sup>3</sup> at an oxygen content of 5% O<sub>2</sub>.

## 60 Hz, 194 - 3510 ekW Ratings - Biogas

1800 rpm	
Model	ekW Continuous*
G3412	194
CG132B-8	400
CG132B-12	600
CG132B-16	800
1200 rpm	
G3516	824
G3516+	1000
G3520C	1626
1500 rpm	
CG170-12	1200
CG170-16	1560
G3520C	1950
CG170-20	2000
900 rpm	
CG260-16	3510

\*All ratings at 0.8 pf.

## 60 Hz, Gas Power Solution Ratings - 1500 - 2500 ekW

Three Phase Output* 1800 rpm		
ekW		
Model	Continuous	Engine/ Configuration
G3512H	1500	CHP1500
G3516H	2000	CHP2000
G3520H	2500	CHP2500

For additional information, please consult the electric power experts at our dealership or refer to the Cat Electric Power Ratings Guide online.



## Electric Power Renewable Hybrid Solutions

### Inverter Options - UL Listed

Output	Voltage	Frequency
3 kW	208V - 240V, 1 Phase	60 HZ
3.8 kW	208V - 240V, 1 Phase	60 HZ
5 kW	208V - 240V, 1 Phase	60 HZ
6 kW	208V - 240V, 1 Phase	60 HZ
7 kW	208V - 240V, 1 Phase	60 HZ
7.7 kW	208V - 240V, 1 Phase	60 HZ
33.3 kW	480V, 3 Phase	60 HZ
50 kW	480V, 3 Phase	60 HZ
62.5 kW	480V, 3 Phase	60 HZ
125 kW	480V, 3 Phase	60 HZ
150 kW	480V, 3 Phase	60 HZ

**Note 1:** Inverter Products are not Cat branded.

**Note 2:** Check with our dealership for product availability which varies by region and delivery date.

### Weather Stations

Weather Stations provide a pre-engineered system that cost-effectively scales to Microgrid Solution size and complexity. The Weather station delivers best-practice PV performance tracking and correlation technology.



Basic Features	Class A	Class B	Class C
Plane of Array	•	•	•
Back of Module Temperature	•	•	•
Air Temperature	•	•	•
Relative Humidity	•	•	-
Wind Speed	•	•	-
Wind Direction	•	•	-
Barometric Pressure	•	•	-
Global Horizontal Irradiance	•	-	-



## Microgrid Master Controller (MMC)

### Model

**MMC-S** The MMC-S is designed for applications with a limited number of power generation assets. It integrates the photovoltaic (PV) system, generator set, and energy storage system. It provides basic controls functionality.

**MMC-M** The MMC-M is designed for applications with a moderate number of power generation assets. It integrates with the photovoltaic (PV) system, generator set, and energy storage system. The MMC-M provides intermediate controls functionality.

**MMC-Custom** The MMC-Custom is designed for applications with a high number of power generation assets. It integrates with the photovoltaic (PV) system, generator set, and energy storage system. The MMC-Custom provides advanced or specialized controls functionality.



## Power Grid Stabilization (PGS)

Power Grid Stabilization modules provide a pre-engineered solution to energy storage needs.

The modules integrate with diesel or gas generator sets, photovoltaic (PV), or other renewable systems to provide short duration power. The module holds closely regulated system voltage and frequency during periods of rapid load addition or removal, or during periods of intermittent output from the renewables.



Model	Nameplate Energy kWh	15 Minute Output kW	10 Second Output kW
PGS840	448	840	840
PGS1260	672	1170	1260
PGS1260 HD Mobile	672	1170	1260

## Energy Time Shift (ETS)

Energy Time Shift modules provide a pre-engineered solution to energy storage needs. The scalable system integrates with photovoltaic (PV) or other renewable systems to store energy from renewables, generator sets, or the grid for use at a later time. The ETS module contains the bi-directional power inverter with a fixed number of batteries and support equipment.



Model	Nameplate Energy kWh	Continuous Output kW
ETS1500	1518	570
ETS1500	1518	1000

## Energy Capacity Expansion (ECE)

The Energy Capacity Expansion modules provide increased energy capacity and discharge duration when connected for use with the ETS module.



Model	Energy kWh
ECE 1500	1518
ECE 2000	2024
ECE 2500	2530

## Mobile Generator Sets



### Rental Generator Sets

Model	Rating
XQP30	30 kVa
XQ35	35 kVa
XQ60	60 kVa
XQP60	60 kVa
XQP100	100 kVa
XQ125	125 kVa
XG135	170 kVa
XQP150	150 kVa
XQ230	228 kVa
XQP275	275 kVa
XQP300	300 kVa
XG400	500 kVa
XQ425	425 kVa
XQP500	500 kVa
XQ570	568 kVa
XQP1100	1100 kVa
XQC1200	1438 kVa
XQ1475G	1844 kVa
XQC1600	1893 kVa

## Electrical Systems



### Uninterruptible Power Supply

#### Cat® Flywheel UPS

UPS 300	300 kVA
UPS 600G	300 kVA - 600 kVA
UPS 750	300 kVA - 1200 kVA
UPS 1200Z	300 kVA 1200 kVA

### Paralleling Switchgear

#### Fully Customizable

#### Modularization Capable

#### Breaker Based - 208V 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

#### Field Expandable

Typical Applications:	Emergency Standby Utility Paralleling Load Management
-----------------------	---

## Automatic Transfer Switch (ATS)

Molded Case	UL-ANSI Type 600 V Class 30 A - 1600 A Open Transition Closed Transition Delayed Transition Bypass Isolation
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## Power Breaker

Features:	UL-ANSI Type 600 V Class 200 A - 5000 A Open Transition Closed Transition Delayed Transition Bypass Isolation
-----------	---

# Electrical Systems (60 Hz)



## Uninterruptible Power Supply (UPS)

Uninterruptible Power Supply	480 V
Flywheel Standalone 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
-----------------------	---

## Engine Transfer Load Manager (EXL)

### Integration Controls

### Generator Set Paralleling Controls (External Circuit Breaker)

### Human Machine Interface (HMI) Controls

Typical Applications:	Utility Import and Export Base Load Operations Peak Shaving Emergency Standby
-----------------------	--

## Multi-Generator Paralleling Controls

### Engine Paralleling and Integration Control

#### Integration Controls

#### Generator Set Paralleling Controls (External Circuit Breaker)

#### On-Package Genset Paralleling Controls

#### Field Expandable

Typical Applications:	Emergency Standby Utility Paralleling Load Management
-----------------------	---

## Automatic Transfer Switch (ATS)

Features:	Molded Case 600 V Class 30 A - 4000 A Open Transition Closed Transition Delayed Transition Bypass Isolation
-----------	---

## Power Breaker

Features:	600 V Class 200 A - 5000 A Open Transition Closed Transition Delayed Transition Bypass Isolation
-----------	---

# Industrial Power Systems<sup>1</sup>



## Industrial Engines - Diesel

Model	hp	Model (cont.)	hp
C0.5	11 - 13.7	C4.4	142
C0.7	11.8 - 17.8	C7	300
C1.1	19.7 - 28	C7.1	217
C1.5	25 - 40	C7.1	275
C1.7	24 - 48	C9.3B	416
C2.2	42 - 74	C9	375
C2.8	67 - 74	C11	450
C3.6	74 - 134	C13	520
C4.4	99 - 200	3406C	361 - 465
C7.1	150 - 320	C15	595
C9.3B	308 - 456	C18	800
C9.3	400	C27	1150
C13B	456 - 577	C32	1350
C13	380 - 520	3412	624 - 724
C15	415 - 595	3508	630 - 1000
C18	575 - 800	3508B	1000 - 1100
C27	800 - 1050	3512	1020 - 1500
C32	951 - 1200	3512B	1500 - 1650
3516E	2100	3512C	1500
C0.5	13.7	3516	1356 - 2000
C0.7	20.5	3516B	2200
C1.1	28.2	3516C	2100
C1.5	40.2	3516E	2100
C2.2	66	3606	1988 - 2883
C2.8	74	3608	2800 - 2634
C3.6	121	3612	3983 - 5702
3054C	75 - 130	3616	5431 - 7644
C4.4	111.3		

## Industrial Power Units - Diesel

Model	hp	Model (cont.)	hp
C3.4B	74	C32	857 - 1000
C3.4B	115	C4.4	108.6
C4.4	100 - 188	C4.4	129.4
C7.1	150 - 320	C7.1	275
C9.3B	308 - 456	C9	350
C9.3	400	C9	350
C13	385 - 520	C11	385
C13B	456 - 577	C13	440
C15	475 - 595	C15	540
C18	575 - 630	C18	630
C27	800 - 876	3516C	2100

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

# Fire Pumps

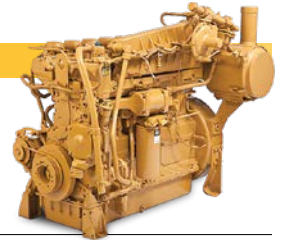


## Diesel

Model	hp
C18 Acert	600 - 800
3406C <sup>1</sup>	292 - 482
3412C <sup>1</sup>	638 - 739
3508 <sup>1</sup>	950 - 1065
3512 <sup>1</sup>	1430 - 1600
3516 <sup>1</sup>	1900 - 1985

<sup>1</sup>For use in lesser regulated territories.

# Oil & Gas Products



## Gas Compression Engines

Model	bhp
G3520J	1725
G3304B	95
G3306B	108 - 157
G3406	215 - 325
G3408 <sup>1</sup>	255 - 400
G3408C <sup>1</sup>	425
G3412 <sup>1</sup>	600
G3412C	637
CG137-8	400
CG137-12	600
G3508 LE <sup>1</sup>	524 - 670
G3508B	690
G3512TA	790 - 1004
G3512B	1035
G3516NA	660 - 1340
G3516B	1380
G3516J	1380
G3520B	1480 - 1725
G3606A4	1875 - 2010
G3608A4	2500 - 2675
G3612 A4	3750 - 4000
G3616A4	5000 - 5350
G12CM34 Gas	6135
G16CM34 Gas	8180
G3516TA	1380

<sup>1</sup>For use in lesser regulated territories.

# Oil & Gas Products



## Land Electric - Drive Engines

Model	bhp
3512E Tier 4	1750

## Land Electric - Drive Modules

Model	ekW
3508	610
3508B	835
3512	665 - 1035
3512B	1045 - 1245
3512C	1045
3512C HD	1245
3512C with DBG	SR48 Generator
3516	1245
3516B	SR48 Generator
G3516B	1320
C18 Tier 4	Displacement 1106.36 in <sup>3</sup>

## Land Mechanical Engines

Model	ekW
C15 ACERT Tier 3	440 - 595
C15 ACERT Tier 4i	475 - 580
C18 ACERT Tier 3	575 - 800
C18 ACERT Tier 4 Final	755 - 800
C18 ACERT Tier 4i	600 - 755
C27 ACERT Tier 2	800 - 1150
C27 ACERT Tier 4 Final	800 - 950
C32 ACERT Tier 2	800 - 1500
C32 ACERT Tier 4 Final	1125
3508	680 - 1135
3508B	760 - 900
3508C	900
3512	1020 - 1800
3512C	1250 - 1475
3516	1649

## Land Generator Sets - Diesel

Model	kVA
C15 Acert Tier 2	365 - 570
C15 Acert Tier 4i	450
C18 Acert Tier 2	550 - 680
C27 Acert Tier 4i	1035
C27 Acert Tier 2	907 - 1035
C32 Acert Tier 2	1000 - 1300

## Land Generator Sets - Multiple Fuels

Model	kVA
3516B with Dynamic Gas Blending	2000
CG137-12	500
G3306B	138 - 170

## Offshore Generator Sets

Model	kVA
3500 Family	738 - 2625
C175C Family	2619 - 3325
C280 Family	2076 - 7857
CM20C Family	1230 - 2050
8CM20C Family	1640 - 1830
9CM20C Family	4023 - 3600
6CM25C Family	2400
8CM25C Family	3200
9CM25C Family	3600
C280-6	2320 - 2722
C280-8	3084 - 3634
C280-12	4640 - 5444
C280-16 FMT	7510 - 7684
6CM32C	3630
6CM32E	3630
8CM32C	4850
9CM32C	5460
12CM32C	5460
16CM32C	5460
12CM43C	14550
16CM43C	19400
6CM34DF	3600
8CM34DF	4800
6CM46DF	7020
7CM46DF	7640 - 8190
8CM46DF	8730 - 9360
12CM46DF	14040
16CM46DF	18720

## HazPak

Model	bhp	bkW
C2.2 NA	27 - 41	20 - 30
C4.4 NA	57 - 65	43 - 49
C4.4 TA	130 - 151	97 - 112
C7	211	158
C9	304	227
C15	504	376
C18	715 - 803	533 - 599
3406C	490	365



## Well Service Engines

Model	Power bhp	Weight lb-ft	Gear Ratio
<b>WS255</b>	2500	16000	6.353:1
<b>WS273 XD</b>	2700	18000	5.55:1
<b>WS305 XD</b>	3000	24000	5.55:1

## Well Service Pumps

Model	bhp
<b>C7 ACERT</b> Water-cooled Manifold	205 - 275
<b>C7 ACERT</b> Dry Manifold	225 - 300
<b>C7 ACERT</b> Hazardous Location	205 - 275
<b>C9 ACERT</b> Water-cooled Manifold	325 - 340
<b>C9 ACERT</b> Dry Manifold	275 - 375
<b>C9 ACERT</b> Hazardous Location	340
<b>C9.3 ACERT</b> Tier 4i	300 - 350
<b>C9.3 ACERT</b> Tier 4 Final	300 - 400
<b>C11 ACERT</b> Dry Manifold	325 - 450
<b>C13 ACERT</b> Dry Manifold	385 - 520
<b>C13 ACERT</b> Tier 4i	385 - 520
<b>C13 ACERT</b> Tier 4 Final	385 - 520
<b>C15 ACERT</b> Water-cooled Manifold	536 - 540
<b>C15 ACERT</b> Dry Manifold	440 - 595
<b>C15 ACERT</b> Hazardous Location	536
<b>C15 ACERT</b> Tier 4i	475 - 580
<b>C18 ACERT</b> Dry Manifold	575 - 800
<b>C18 ACERT</b> Tier 4i	600 - 755
<b>C18 ACERT</b> Tier 4 Final	755 - 800
<b>C27 ACERT</b> Tier 4 Final	800 - 950
<b>C27 ACERT</b> Dry Manifold	800 - 1050
<b>C32 ACERT</b> Hazardous Location	800 - 1110
<b>C32 ACERT</b> Tier 4 Final	1125
<b>C32 ACERT</b> Water-cooled Manifold	800 - 1225
<b>C32 ACERT</b> Dry Manifold	800 - 1500
<b>3512B</b> Well Stimulation	2000 - 2250
<b>3512C DGB</b>	2150 - 2500
<b>3512C</b>	2250 - 2500
<b>3512C HD</b> Offshore	2250 - 2500
<b>3512E DGB</b> Tier 4 Final	2250 - 2500
<b>3516C HD</b>	3070 - 3300
<b>3512E</b> Tier 4 Final	2250 - 2500

## Transmissions

Model	Power bhp	Torque lb-ft	Weight lb
<b>CX31-P600</b>	600	2025	456
<b>CX35-P800</b>	800	2700	651
<b>TH48-E70</b>	1200	4422	3735
<b>TH48-E80</b>	2300	6656	4878
<b>CX48-P2300</b>	2300	6656	3530
<b>TH55-E70</b>	3300	9350	6330
<b>TH55-E90</b>	3300	9350	6330



## Marine Engines

Model	Propulsion Ratings bhp	Generator Set Rating ekW
<b>C1.5</b>	-	10 - 12
<b>C2.2</b>	-	15 - 25
<b>C4.4</b>	-	38.0 - 95.0
<b>C4.4</b>	-	58 - 118
<b>C7.1</b>	280 - 500	100 - 163
<b>C8.7</b>	641	-
<b>C9.3</b>	375 - 476	224 - 300
<b>C12</b>	340 - 705	-
<b>C12.9</b>	838 - 985	-
<b>C18</b>	469 - 1136	395 - 300
<b>C32</b>	750 - 1900	880 - 940
<b>3508C</b>	775 - 1000	-
<b>3512C</b>	1280 - 2551	-
<b>3512E</b>	1341 - 2549	-
<b>3516C</b>	2501 - 3386	-
<b>3516E</b>	2501 - 3386	-
<b>C175-16</b>	2683 - 3420	-
<b>C280-6</b>	2320 - 2722	1650 - 1940
<b>C280-8</b>	3299 - 3634	2200 - 2420
<b>C280-12</b>	4962 - 5444	3300 - 3690
<b>C280-16</b>	6169 - 7577	4400 - 4840
<b>C4.4</b>	-	-
<b>C7.1</b>	280	-
<b>C9.3</b>	292 - 436	-
<b>C18</b>	404 - 803	-
<b>C32</b>	791 - 1333	-
<b>3500</b>	903 - 3176	-
<b>C280</b>	2320 - 7268	-

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Oceanside, CA 92054  
(760) 529-4700 rentals  
(800) 750-4228 toll free  
(760) 529-4740 parts

## HAWAII

**Oahu | Waipahu**  
94-025 Farrington Hwy.  
Waipahu, HI 96797

**Machinery**  
(808) 677-9111  
(833) 214-5829 toll free

**Power Systems**  
(808) 676-0205

**Rentals**  
(808) 676-0227  
(800) 543-6916 toll free

**SITECH Hawaii**  
(844) 774-2924 toll free

**Ness Turf Equipment**  
(808) 486-8300

**Maui**  
470 S. Hana Hwy.  
Kahului, HI 96732  
(808) 667-3160

**GUAM**  
196 E. Harmon  
Industrial Park Rd.  
Tamuning, GU 96913  
(671) 649-4228

### Hilo

171 Railroad Ave.  
Hilo, HI 96720  
(808) 961-3437

### Kauai

1520 Haleukana St.  
Lihue, HI 96766  
(808) 245-4058

### Kona

74-5524 Kaiwi St.  
Kailua-Kona, HI 96740  
(808) 329-4521

### AMERICAN SAMOA

#4 Industrial Parkway/  
P.O. Box 4885  
Pago Pago, AS 96799  
(684) 699-4306

### SAIPAN

Rte 314 Lower Base  
Tanapag, Saipan, CNMI  
(670) 288-6900

## PACIFIC ISLANDS

