

2014

EXCAVATOR SPEC GUIDE

OVER THE PAST DECADE, EXCAVATOR SUPPLIERS have made it their mission to develop products that deliver the productivity and cost efficiency you need while meeting emissions regulatory requirements. The following pages provide a glimpse at some of the added features that have resulted from the move to Tier 4 compliance, along with current model specifications. Sort through this information to find the right combination of qualities for your jobsites, then turn to the reader service card following page 20, or the Buyers Guide at ForConstructionPros.com, for more information on specific brands or models.



Caterpillar Inc.

The 308E2 is the first Cat Tier 4 Final mini hydraulic excavator. The versatile compact radius machine offers improved efficiency when compared to its Tier 4 Interim predecessor. A comparative test of the 308E2 vs. the 308E revealed superior productivity and fuel efficiency when trenching, backfilling and traveling. When operating the 308E2 in economy mode, even greater fuel efficiency is achieved, leading to a decrease in owning and operating costs.

Indicate **106** on inquiry card

Caterpillar Inc.						
Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
300.9D	18	2,170	.49-.95*	2,000	5' 8"	9' 11"
301.4C	17.7	3,241	.60-2.0*	3,597	7' 4"	12'
301.7D CR	17.7	3,726	.60-2.0*	3,190	7' 7"	12' 7"
301.7D	17.7	4,068	.60-2.0*	4,226	7' 3"	12' 2"
302.2D	17.9	4,464	.60-2.0*	4,406	8' 2"	13' 6"
302.4D	17.7	5,115	1.24-3.24*	4,900	7' 11"	13' 2"
302.7C	20.7	5,681	1.24-3.24*	5,058	8' 4"	14' 8"
303E CR	23.5	7,789	1.6-6.96*	6,385	9'	15' 9"
303.5E CR	31.6	8,139	1.6-6.96*	7,419	9' 6"	16' 8"
304E CR	40	8,838	1.9-9.9*	8,498	10' 3"	17' 1"
305E CR	40.2	11,217	1.9-9.9*	10,050	10' 9"	17' 10"
305E2 CR	40.2	11,334	1.9-9.9*	10,049	10' 9"	17' 6"
305.5E CR	44.2	11,938	1.9-9.9*	11,445	11' 4"	18' 6"
305.5E2 CR	44.1	11,863	1.9-9.9*	11,443	11' 5"	18' 6"
308E CR SB	65	18,371	3.5-14.9*	13,534	13' 7"	22' 9"
308E2 CR SB	65	18,519	3.5-14.9*	13,534	13' 7"	22' 9"
311F RR	70	30,600	.27-1.0	17,900	18' 4"	26' 7"
312E	91	33,080	.27-1.0	19,200	19' 10"	28' 3"
314E CR	89	32,600	.39-.97	19,200	19' 6"	28' 6"
316E	113	38,801	.46-1.19	22,000	21' 7"	30' 5"
318E	113	41,010	.59-1.40	24,400	21' 7"	30' 5"
320E	153	54,450	.61-2.08	28,300	22' 1"	30' 9"
320E RR	152	56,440	.61-2.08	28,300	22' 1"	32' 4"
321D LCR	148	53,704	.61-2.05	28,079	22'	32' 1"
323F L ES	156	56,438	1.56	36,700	22' 1"	32' 4"
324E	194	55,395	.75-2.46	33,500	22' 4"	33' 2"
329E	232	64,060	.75-2.46	36,200	23' 9"	35'
335F L	192	87,949	2.01	41,500	22' 9"	34' 9"
336E	316	80,617	1.23-3.52	42,380	24' 7"	36' 2"
336E H	308	81,600	1.23-3.52	42,380	24' 7"	36' 2"
349E	425	105,400	1.20-5.0	53,300	25'	38' 5"
374F	472	165,721	2.5-6.0	70,679	31' 8"	46' 8"
390F	524	190,204	2.8-8.5	72,433	38' 8"	56' 7"
M313D**	128	33,270	.24-1.20	20,907 (N)	17' 4"	27' 10"
M315D**	137	37,633	.50-1.65	22,725 (N)	18' 8"	29' 5"
M316D**	158	39,588	.50-1.65	22,705 (N)	19' 3"	30' 1"
M318D**	166	42,434	.50-1.65	28,326 (N)	20' 7"	31' 6"
M322D**	165	49,052	.57-2.05	31,472 (N)	21' 3"	33' 10"

*Cubic feet **Wheeled



Sany America

As it transitions toward Tier 4 Final, Sany is taking advantage of the latest engine technologies to make maintenance easier and more cost effective. It has taken into account the user interface, as well as maintenance cost and serviceability. By taking advantage of the latest technologies to precisely control the engine, it is better able to match engine performance with the hydraulics to provide machines that perform yet are efficient.

Indicate **107** on inquiry card

Sany America						
Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbf.)	Max. Dig Depth	Max. Reach at Grade
SY16C	15.6	3,858	-	3,417	7' 8"	12' 10"
SY35U	27.4	8,333	-	6,834	10' 2"	17' 6"
SY75C	54.3	16,050	.21-.42	11,465	14' 7"	20' 6"
SY135C	97.9	29,760	.7-.9	20,682	18' 1"	27' 2"
SY215C	155	51,193	.52-1.83	28,551	21' 8"	32' 5"
SY235C	195	51,809	.52-1.83	39,340	22' 2"	33' 4"
SY335C	290	79,860	.52-2.3	49,458	24' 2"	36' 5"

John Deere

The transition to Tier 4 Final gives John Deere the ability to continue to listen and respond to customer needs by building an excavator that meets their day-to-day needs for productivity, uptime and lower daily operating costs. As emissions standards evolve, the company looks at functionality in areas of the machine such as the cab – adding legroom, increasing visibility and updating the multi-language LCD monitor to simplify navigation. It will continue to focus on fuel efficiency and hassle-free maintenance, as well.

Indicate **108** ON inquiry card



John Deere Construction & Forestry						
Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
17D	14.8	4,173	1.5*	3,597	7' 1"	-
27D	26.4	6,358	2.3*	4,994	8' 6"	-
35G	23.3	7,760	4*	6,085	10'	-
50G	35.9	10,847	5.2*	8,267	11' 7"	-
60G	53	13,768	6.8*	9,237	12' 4"	-
75G	56.9	18,221	.31-.64	10,476	15' 1"	22' 2"
85G	56.9	18,821	.4-.66	10,476	14' 10"	24' 9"
130G	97	29,489	.48-.99	21,480	19' 11"	28' 5"
135G	97	30,617	.48-.99	21,480	19' 7"	28' 7"
160G LC	121	39,965	.54-1.11	26,665	21' 4"	30' 1"
180G LC	121	44,317	.71-1.29	28,244	23' 2"	32' 1"
190D W**	159	43,211	.52-1.43	22,916	19' 2"	30' 10"
210G LC	159	50,463	.56-1.29	31,138	21' 11"	32'
220D W**	159	49,207	.52-1.43	28,904	20' 8"	32' 8"
245G LC	159	56,167	.56-1.29	35,552	21' 9"	32' 6"
250G LC	188	55,736	.92-2.04	42,489	25'	35' 3"
290G LC	188	66,338	.90-3.90	45,636	25' 10"	36' 5"
350G LC	271	76,557	1.5-2.4	55,303	26' 10"	38' 3"
380G LC	271	82,012	1.3-2.4	55,303	24' 3"	38' 3"
470G LC	367	108,952	1.8-4.2	64,295	27' 2"	40' 3"
670G LC	463	158,045	1.7-6.6	72,838	30'	44' 8"
870G LC	532	193,255	2.0-7.6	89,699	31' 5"	48'

*Cubic feet **Wheeled



Volvo

Volvo excavators equipped with Tier 4 Final engines combine greater efficiency, productivity and durability for maximum profitability in quarry and mass excavation applications. The excavators are highly productive machines that lower operating costs through reduced fuel consumption and simple maintenance requirements. Powered by proven Tier 4 engines, they deliver high digging and breakout forces alongside reduced emissions and improvements in fuel efficiency.

Indicate **109** on inquiry card

Volvo Construction Equipment

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
EC20C	16.8	4,277	.04-.15	4,159	7' 4"	13'
ECR25D	20.9	5,489.5	.097	4,554	9' 1"	15' 1"
EC35C	36.3	7,848	.05-.2	6,955	11' 3"	16' 7"
ECR38	27.6	7,355	.05-.2	6,463	8' 10"	15' 8"
EC55C	47.1	12,566	.1-3	9,302	12' 4"	19' 7"
ECR58D	47	12,550	.1	7,780	12' 11"	20' 5"
ECR88D	55	20,080	.43	11,330	14' 10"	23' 7"
EC140D	113	29,460	.27-.95	18,560	18' 2"	26' 10"
ECR145D	172	33,430	.52-1.18	18,150	18' 1"	26' 11"
EC160D	139	38,320	.33-1.31	22,900	19' 10"	28' 11"
EC220D	172	48,800	.68-2.75	29,240	22' 1"	32' 1"
EC220D LR	172	52,610	.3-7	15,280	39' 8"	51' 6"
ECR235D	172	54,350	.52-1.18	28,400	22'	31' 11"
EC250D	202	56,190	.63-2.42	34,270	22' 11"	33' 1"
EC250D LR	202	61,130	.3-7	34,270	47' 1"	59' 9"
EC300D	227	67,260	.68-2.64	37,660	24' 1"	34' 6"
EC300D LR	227	72,680	.3-7	37,660	48' 5"	60' 8"
ECR305C L	192	76,930	1.70-2.55	36,580	22' 10"	34' 3"
EC340D	279	77,240	1.77-3.92	54,561	26' 8"	38' 4"
EC380D	279	85,800	1.77-3.92	63,935	26' 8"	38' 4"
EC380E	302	94,800	.3	48,335	26' 6"	37' 9"
EC480D	329	105,000	2.31-4.97	54,555	29' 8"	43' 6"
EC700C L	424	154,350	3.17-8.63	80,030	27' 7"	42' 4"
EW160D*	150	35,715-40,125	.94-1.33	28,700	18' 5"	29'
EW180D*	169	39,900-44,750	.92-1.3	27,100	19' 6"	30' 2"
EW210D*	169	43,430-50,265	.92-1.3	29,000	20' 3"	31'
EW230C*	168	47,620-56,438	1.54-1.96	31,880	22' 4"	33' 11"

*Wheeled



Gehl

The mandated switch to electronically controlled Tier 4 engines presented opportunities to simultaneously add features and improve performance. The ECU combined with an easy-to-navigate display now allow operators to monitor engine performance attributes such as fuel consumption and oil change intervals. In addition, fuel consumption is reduced through more efficient combustion and new features such as auto deceleration and eco mode, which help to offset the costs for the Tier 4 engines.

Indicate **110** on inquiry card

Gehl

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
Z17	13.5	3,836	N/A	3,417	7' 2.6"	12' 2.1"
Z27	21.6	6,946	N/A	5,732	9' .3"	15' .7"
Z35 GEN:2	23.9	7,905	N/A	5,643	10' 8"	17' 3.5"
Z45 GEN:2	37.7	10,417	N/A	6,497	11' 8"	18' 10"
Z80	54.6	18,136*	N/A	11,332	14' 4.4"	23' 5.1"

*With cab



Komatsu America

While meeting Tier 4 emissions with high passive regeneration, Komatsu went a step further to improve machine efficiency without impacting performance by using new engine and pump controls and higher displacement pumps operating at reduced RPM. The emissions technology used provides greater passive diesel particulate filter regeneration to minimize nonproductive time. An integrated CANBUS network enhances monitoring and onboard diagnostic capabilities.

Indicate **111** on inquiry card

Komatsu America Corp.

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)*	Max. Dig Depth	Max. Reach at Grade
PC09-1	8.7	1,985	.02-.03	2,370*	4' 11"	9' 11"
PC18MR-3	15	4,090	.03-.06	3,570*	7' 1"	12' 11"
PC27MR-3	25.7	6,460	.04-.12	4,920*	9' 4"	15' 10"
PC35MR-3	29	7,909	.07-.24	6,725*	11' 4"	18' 1"
PC45MR-3	38.2	10,573	.07-.21	7,630*	12'	19' 4"
PC55MR-3	38.2	11,378	.07-.24	8,770*	12' 6"	19' 11"
PC78US-8	55	16,240	.12-.45	13,780*	15' 5"	22' 3"
PC88MR-10	65.5	18,558	.12-.44	13,778	15' 2"	23' 5"
PC138USLC-10	93.5	32,628	.34-1.0	20,950	18'	26' 10"
PC170LC-10 Std.	115	38,100	.34-1.0	24,407	19' 7"	28' 10"
PC170LC-10 Heavy	115	41,600	.34-1.0	24,407	19' 7"	28' 10"
HB215LC-1	139	48,175	.66-1.57	31,080	21' 9"	31' 10"
PC210LC-10	158	52,036	.66-1.57	33,510	21' 9"	31' 10"
PC240LC-10	177	55,129	.76-1.85	34,170	22' 8"	32' 10"
PC228USLC-10	158	55,335	.66-1.57	29,762	21' 9"	31' 10"
PC290LC-10	196	68,234	.76-2.13	39,460	22' 8"	34' 4"
PC360LC-10	257	79,930	.89-2.56	44,970	24' 3"	35' 10"
PC390LC-10	257	89,071	.89-2.91	44,970	23' 10"	35' 8"
PC490LC-10	359	106,880	1.47-4.15	53,790	25' 5"	38' 9"
PC490LC-10 Var. Gauge	359	109,250	1.47-4.15	53,790	25' 5"	38' 9"
PC650LC-8	429	146,390	2.05-4.98	64,150	27' 10"	42'
PC650LC-8 SE	429	146,390	2.05-4.98	70,040	23' 2"	37' 1"
PC800LC-8	487	188,670	2.23-5.93	72,750	28' 3"	44' 2"
PC800LC-8 SE	487	188,670	2.23-5.93	96,120	23' 5"	39' 2"
PC1250-8	672	239,880	4.4-6.8	94,800	30' 8"	49' 3"
PC1250SP-8	672	244,050	.8	112,900	25' 11"	44' 10"
PC1250LC-8	672	250,154	4.4-6.8	94,800	30' 8"	49' 3"
PC2000-8	956	440,920	15.7-17.9	140,600 (N)	30' 4"	50' 3"

*ISO where indicated; otherwise SAE rating

Coyote Loader Sales, Inc.

Coyote mini-excavators are manufactured by Nagano Industries in Japan. Fuel economy is achieved through the use of fuel-efficient, low-horsepower engines. Hydraulic system power – supplied by high-efficiency pumps – results in higher breakout force. Various models offer true zero tailspin.

Indicate **112** on inquiry card



Coyote Loader Sales, Inc.

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
CE08	7.4	1,676	.79	1,874	5' 1"	9'
CE15	17	3,150	1.43	3,175	7' 8"	12' 4"
CE25	24	6,084	2.45	5,644	8' 6"	14' 5.6"
CE35	27	7,326	3.88	6,835	10' 4"	16' 7.4"
CE35R	27	7,890	3.88	6,730	10' 3"	16' 7"
CE45	42	10,030	5.7	8,100	11' 9"	18' 8"
CE55	42.3	11,794	5.71	9,918	12' 3"	18' 10"
CE75	55.5	16,600	8.93	11,816	13' 3"	21' 1"



Liebherr

Each excavator model features main components and working attachments developed and manufactured by Liebherr. Various factory options, such as different gooseneck boom lengths and two-piece booms, are available. Front shovel attachments can be equipped with a new tooth system featuring different tooth patterns that can be matched to the soil type to provide improved penetration. The LiDAT data transmission system provides remote access to specific machine data such as fuel consumption or service intervals.

Indicate **113** on inquiry card

Liebherr						
Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
A924*	173	47,200-58,400	.72-2.16	41,900	23' 2"	34' 9"
R924	154	51,810-60,850	1.0-2.15	40,016	22' 6"	33'
R926	173	56,660-63,825	1.5-2.3	42,990	20' 10"	36' 5"
R936	215	67,350-76,610	.92-2.1	37,260	23' 2"	35' 1"
R 946	268	84,657-92,484	1.60-3.3	46,738	25' 3"	37' 11"
R 956	322	109,350-125,885	1.63-4.32	70,325	26' 11"	41'
R 966	429	145,505-168,215	2.0-7.2	79,500	29' 1"	43'
R 976	536	188,055-210,540	2.62-7.3	109,032	30' 8"	46' 2"

* Wheeled



Kubota Tractor Corp.

The transition to Tier 4 Final paved the way for continued performance improvements beyond just meeting emissions requirements. For Kubota excavators, many of the enhancements achieve new levels of productivity and control, from reducing weight and increasing auxiliary flow, to adding power for faster cycle times for the bucket, arm, boom and blade. The company also introduced "Eco-Plus" to the KX040-4 and larger excavators offering 20% less fuel consumption and improved productivity compared to prior models.

Indicate **115** on inquiry card

Kubota Tractor Corp.						
Model	Net HP	Operating Weight	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
K008-3	10.1	2,200	-	2,200	5' 8"	9' 11"
U17	15.2	3,703	-	3,417	7' 7"	12' 7"
KX018-4	15.2	3,747	-	3,594	7' 9.7"	12' 8"
U25S	19.8	5,625	-	5,765	9' 3"	15' 4"
KX71-3S	24.3	6,305	-	6,350	9' 9"	16'
KX91-3S2*	28.3	7,110-7,540	-	8,059	10' 5"	16' 10"
U35-4*	25.1	8,129-8,478	-	7,924	9' 8.9"	16' 11.3"
KX040-4**	40.9	9,195-9,900	-	9,535	11' 2.6"	17' 9"
KX121-3S 6-in-1 Blade	39	10,130	-	8,754	11' 6"	18'
KX161-3S	43.8	11,530	-	11,118	12' 7"	20' 1"
U55-4*	47.6	11,915-12,335	-	11,177	11' 10"	19' 6"
KX057-4*	47.6	12,200-12,620	-	11,177	12' 8"	20' 1"

*Available with angle blade **Available with angle blade or 6-in-1 blade

Doosan Infracore

Doosan excavators have improved in the areas of fuel efficiency, productivity, operator comfort and durability. For example, a Tier 4-compliant DX350LC-5 excavator features a 10% fuel savings from the equivalent Tier 3 model. D-ECOPOWER optimizes hydraulic system output with engine horsepower, improving machine efficiency, productivity and fuel consumption, as well as refines machine control, enhancing operator comfort. For uptime protection, the excavators have an improved track spring and idler assembly and a larger bushing in the track rollers. Indicate **114** on inquiry card



Doosan Infracore Construction Equipment America

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
DX63-3	58.6	13,779	.08-.39	5,765	13' 6"	20' 5"
DX85R-3	58.6	18,960	.12-.53	8,069	15' 6"	23' 11"
DX140LC-3	107	31,746	.30-.85	24,471	20' 1"	27' 11"
DX140LCR-3	102	33,510	.30-.85	24,471	19' 8"	27' 11"
DX180LC-3	122	41,248	.38-1.26	28,881	20'	29' 4"
DX225LC-3	162	49,604	.61-1.45	33,510	21' 7"	32' 9"
DX225LC-3 SLR	162	54,564	.61-1.45	13,228	38' 3"	50' 1"
DX235LCR	166	53,572	.61-1.45	33,510	21' 10"	31' 7"
DX255LC-3	185	56,593	.61-1.45	39,463	22' 4"	32' 10"
DX300LC-5	271	68,764	.66-2.17	44,092	23' 11"	34' 7"
DX300LC-5 SLR	271	72,462	.38-.98	23,149	45' 3"	57' 1"
DX350LC-5	318	80,654	1.0-2.38	57,100	24' 8"	35' 11"
DX420LC-3	346	94,503	1.52-3.26	59,745	25' 4"	37'
DX490LC-3	370	112,502	2.13-3.96	67,902	25' 6"	38' 11"
DX530LC-3	370	119,213	2.13-3.96	67,902	24'	37' 6"
DX530LC-3 SLR	370	118,013	.66-1.75	26,235	49' 7"	63' 10"
DX140W-3*	135	33,731	.30-.71	23,303	14' 9"	24' 10"
DX190W-3*	168	43,431	.50-1.22	30,424	18' 9"	30' 4"
DX210W*	161	45,761	.67-1.67	33,510	20' 6"	32' 9"

SLR = Super-long reach * Wheeled

Kobelco

Kobelco Tier 4 Final crawler excavators will incorporate both selective catalytic reduction (SCR) and self-cleaning diesel particulate filter (DPF) systems. This combination delivers the lowest possible operating costs due to very low diesel exhaust fluid consumption. The SCR/DPF system has enabled the engine to be fine-tuned for peak performance and response. Further efficiency has been accomplished via an evaluation of the hydraulic and control systems to reduce parasitic losses to the absolute minimum while maintaining peak productivity. Service intervals and the related expenses are similarly optimized for low operating expenditures. Indicate **116** on inquiry card



Kobelco

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
SK17SR	15.2	3,640	1.24-1.55*	2,940	7' 1"	12' 9"
SK27SR	21.3	5,870	2.82*	6,341	8' 4"	15' 3"
SK35SR	28.4	8,200	3.88*	8,430	10' 1"	17' 2"
SK55SRX	37.4	11,050	5.65*	11,128	12' 10"	20' 6"
SK75SR	55	17,100	.14-.46	7,700	15'	25' 5"
SK85CS	55	18,700	.14-.46	10,600	13' 9"	23' 9"
SR140 SRLC	92.8	33,100	.31-.90	20,502	19' 7"	28' 4"
ED160 Blade Runner	92.8	35,700	.31-.90	18,100	19' 1"	28' 10"
SK210LC	157	48,500	.92-1.22	29,337	22'	31' 11"
SK230SRLC	157	55,100	.67-1.22	24,300	21' 7"	31' 3"
SK260SRLC	157	59,300	.67-1.22	29,337	21' 9"	31' 9"
SK260LC	176	56,890	1.05-1.83	35,002	23'	33' 3"
SK350LC	270	81,800	1.57-2.09	45,954	24' 10"	36' 3"
SK500LC	345	111,400	1.77-3.14	52,600	25' 7"	38' 10"
SK850LC	510	181,440	1.78-7.06	90,598	31' 10"	46' 11"
SK210LC Long Arm	157	48,500	.92-1.22	35,300	23' 10"	33' 4"
SK260LC Long Arm	184	56,890	1.05-1.83	42,000	25' 2"	35' 6"

*Cubic feet



WackerNeuson

Wacker Neuson is using the Tier 4 Final transition as an opportunity to significantly improve its excavator line-up. The new EZ17 and ET20 Tier 4 Final models boast some major improvements, including improved performance and operator ergonomics. For example, the ET20 features an in-cab ISO/SAE control pattern changeover and a unique double-door design. The company will continue driving advanced designs as the remainder of its line-up transitions to Tier 4 Final.

Indicate **117** on inquiry card

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth*	Max. Reach at Grade*
803	12.8	2,182	.36-.80	2,021	5' 9"	10'
803 Dual Power	12.8	2,182	.36-.80	2,021	5' 9"	10'
1404	17.7	3,483/3,682 ^a	.87-1.8	3,192	7' 4"	12'
EZ17	17.2	3,802	.87-1.8	4,204	8' 2"	13' 2"
ET20	17.2	4,105/4,341 ^a	.87-1.8	4,226	8' 10"	13' 11"
E228	20.4	6,085/6,283 ^a	2.13-5.25	5,058	8' 4"	14' 8"
3503	31.8	8,003/8,219 ^a	2.13-5.25	6,812	10' 7"	17'
EZ38	28.2	8,311/8,488 ^a	2.13-5.25	5,778	10' 2"	17'
5023	37.7	11,133/11,354 ^a	3.0-9.8	7,599	11' 6"	19' 3"
6003	58.6	12,842 ^b	3.0-9.8	8,925	12' 7"	20'
8003	58.6	17,769 ^b	3.50-13.0	11,758	14' 1"	23'
6503**	58.2	12,556 ^b	3.0-9.8	8,745	12' 7"	20' 10"
EW100**	117	21,640	3.5-13.0	12,162	14' 1"	25'

a Canopy/cab b Cab only * With standard dipper stick ** Wheeled



Gradall Industries

The Gradall XL3100 IV can be driven up to 60 mph and is equipped with a six-speed AutoDrive Allison automatic transmission. One engine powers the upperstructure and telescoping booms. Operators can reposition the machine from the upper cab around jobsites and over roadside ditches. An auxiliary circuit is available to power hydraulic hammers, augers, mowers and more. Attachments are easily interchangeable with the quick-change attachment design.

Indicate **119** on inquiry card

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
XL3100 IV*	235	40,930	.88	17,990	18' 4"	27' 3"
XL3200 III	152	39,240	.88	19,300	19' 2"	27' 5"
XL3300 III**	152	39,294	.88	19,300	18' 5"	27' 3"
XL4100 IV*	245	49,684	1.13	24,900	20' 3"	30' 3"
XL4200 III	153	46,862	1.13	25,405	22'	30' 6"
XL4300 III**	153	43,580	1.13	25,405	21' 3"	30' 4"
XL5100 IV*	265	57,670	1.6	24,900	24' 5"	33' 9"
XL5200 III	153	54,452	1.6	25,405	25' 4"	33' 11"
XL5300 III**	153	51,216	1.6	25,405	24' 7"	33' 10"

* Highway-speed, wheeled version ** Rough-terrain wheeled models

IHI Compact Excavator Sales

Two models of the IHI V4 mini-excavators come equipped with Tier 4 Final engines. The V4 models are equipped with an eco-friendly idle adjust button as standard equipment. This feature allows the operator to throttle and operate the unit at full capacity, but returns it to idle if functions are not operated for five seconds. The feature boasts a 20% fuel savings for the contractor. Once a function is engaged, the unit goes to the previous throttle setting and is ready for work.

Indicate **120** on inquiry card



IHI Construction Machinery Ltd.

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
9VX-3	10	2,060	-	2,360	5' 2"	9' 9"
9VX-ELECTRIC	5*	2,060	-	2,360	5' 2"	9' 9"
17VX-3	13.42	3,583	-	5,447	7'	12' 4"
17VX-ELECTRIC	15**	3,583	-	5,447	7'	12' 4"
25VX-3	18.42	6,175	-	5,698	8' 3"	14' 9"
35N-3	26.7	7,979	-	7,662	10' 4"	16' 8"
55N-3	54.7	12,733	-	11,070	12' 8"	20' 1"
80VX-3	58.7	18,100	-	-	15' 1"	10' 10"
30V4	22.8	7,100	-	7,180	9' 9"	11' 1"
35V4	27.8	8,100	-	7,688	11' 1"	11' 6"
45V4	44	10,802	-	9,854	11' 9"	12' 5"
55V4	44	11,800	-	10,850	12' 6"	13'
60V4	44	12,595	-	12,100	13' 3"	13' 8"

*Baldor electric motor **Rueland electric motor



LBX Company

Instead of focusing on just the engine, LBX took a hard look at the whole machine. Improvements were made to the proprietary hydraulics system, cab visibility and comfort, overall machine safety and ground level maintenance items. The strength and durability of the entire attachment and the undercarriage were increased, as well. As a result, the whole machine has improved with the transition to Tier 4 Final.

Indicate **118** on inquiry card

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
75X3 MSR	55	17,300	.24-.71	8,880	15' 2"	22' 2"
80X3 MSR	55	18,800	.24-.71	8,880	15' 4"	24' 4"
130X3	100	28,660	.42-.98	14,800	19' 10"	26' 10"
130X3DZ	100	29,983	.42-.98	14,800	19' 10"	26' 10"
145X3	100	31,800	.42-.98	14,840	18' 1"	26' 8"
145X3DZ	100	33,200	.42-.98	14,840	18' 1"	26' 8"
160X3	124	37,919	.50-1.14	18,880	19' 11"	29' 1"
210X3	160	47,840	.61-1.75	24,730	21' 10"	31' 11"
235X3	160	55,997	.47-1.75	24,730	21' 10"	31' 9"
235X3DZ	160	56,879	.47-1.75	24,730	21' 10"	31' 9"
250X3	177	55,336	.76-2.43	29,000	22' 8"	33' 2"
250X3LF	177	61,950	.50-.86	18,570	47' 9"	60' 1"
250X4	177	56,900	.76-2.43	29,230	22' 8"	33' 2"
300X3	207	65,918	.76-2.43	29,760	23' 4"	34' 5"
350X3	266	80,028	1.08-2.93	40,020	24' 1"	36'
470X3	362	108,467	1.37-4.05	46,310	25' 4"	39' 4"
700X2	463	153,442	1.78-4.89	55,080	27' 7"	42' 4"
800X2	532	178,574	2.47-5.42	67,440	28' 6"	45' 5"

Hitachi

At Hitachi, all of the emissions-related updates are an opportunity for engineers and designers to enhance the features of the company's excavators and boost performance to meet customer needs. One example of this is the enhanced LCD monitor with simplified navigation that is part of the Tier 4 Interim Dash-5 excavator series. Plus, emphasis is always placed on fuel efficiency.

Indicate **121** on inquiry card



Hitachi

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
Zaxis 17U-2	14.8	4,173	.6-1.4**	3,597	7' 9"	-
Zaxis 27U-3	26.4	6,358	1.3-4.4**	4,994	9' 6"	-
Zaxis 35U-5	23.3	7,760	1.3-5.9**	6,085	11' 4"	-
Zaxis 50U-5	35.9	10,560	2.1-8.3**	8,267	12' 7"	-
Zaxis 60USB-5	53	13,547	5.1-12.5**	9,237	13' 6"	-
Zaxis 75US-5	56.9	17,952	.31-.64	10,467	15' 1"	22' 2"
Zaxis 85USB-5	56.9	19,244	.4-.66	10,467	14' 1"	24' 9"
Zaxis 130-5	97	26,454	.48-.99	23,435	19' 11"	28' 5"
Zaxis 135US-5	97	32,819	.48-1.01	21,480	19' 7"	28' 7"
Zaxis 160LC-5	121	36,487	.48-1.11	25,180	19' 7"	30' 1"
Zaxis 180LC-5	121	40,419	.52-1.43	28,552	21' 7"	32' 1"
Zaxis 190W-3 Monoblock Boom*	159	44,029	.52-1.43	22,916	19' 2"	30' 10"
Zaxis 190W-3 Two-piece Boom*	159	45,636	.52-1.43	22,916	19' 5"	30' 6"
Zaxis 210-5	159	47,137	.52-1.43	35,522	21' 11"	31' 12"
Zaxis 210LC-5	159	53,936	.52-1.43	35,522	21' 11"	32'
Zaxis 220W-3 Monoblock Boom*	159	49,888	.52-1.43	29,000	20' 8"	32' 8"
Zaxis 220W-3 Two-piece Boom*	159	52,003	.52-1.43	28,904	19' 11"	32'
Zaxis 225USLC-3	159	53,936	.52-1.43	29,099	22'	32' 3"
Zaxis 245USLC-5	159	56,167	.52-1.43	35,522	21' 9"	32' 6"
Zaxis 250LC-5	188	54,498	.7-3.9	42,489	25'	35' 3"
Zaxis 290LC-5	188	63,273	.92-3.9	45,636	25' 10"	36' 5"
Zaxis 350LC-5	271	76,258	1.3-2.7	55,303	26' 10"	38' 3"
Zaxis 380LC-5	271	81,712	1.3-2.4	55,303	26' 10"	38' 3"
Zaxis 470LC-5	367	108,952	1.8-4.2	64,295	27' 2"	40' 3"
Zaxis 470LC-5 Mass Excavator	367	110,502	1.8-4.2	64,071	20' 5"	34' 10"
Zaxis 670LC-5	463	158,045	1.3-6.6	72,838	30'	44' 8"
Zaxis 670LC-5 Mass Excavator	463	157,969	1.3-6.6	82,954	23' 4"	37' 9"
Zaxis 870LC-5	532	193,255	2.0-7.6	89,699	31' 5"	48'
Zaxis 870LC-5 Mass Excavator	532	193,803	2.0-7.6	106,110	23' 5"	39' 5"
EX1200-6 BE Mass Excavator	740	246,917	8.8	127,686	26' 5"	43' 10"
EX1200-6 Shovel	740	251,327	8.5	133,537	15' 8"	N/A
EX1900-6 BE Mass Excavator	1,039	423,280	5.7	150,800	26' 10"	48' 6"
EX1900-6 Shovel	1,039	421,075	19.6	148,400	19' 5"	N/A
EX2600-6	1,500	556,000	22.2	186,509	27' 1"	52' 8"
EX2600-6 Shovel	1,500	556,000	21.6	212,000	12' 3"	N/A
EX3600-6	1,994	791,500	29	236,000	28' 2"	57' 9"
EX3600-6 Shovel	1,994	795,900	30	254,000	12'	N/A
EX5600-6	3,000	537,000	44.5	332,717	28' 11"	63' 8"
EX5600-6 Shovel	3,000	533,000	38	357,446	15' 9"	N/A
EX8000-6 Shovel	3,880	1,787,900	52.3	501,000	13' 5"	N/A

*Wheeled **Cubic feet

Terex

With owners/operators relying on Terex compact excavators to get the job done, the Tier 4 Final solution will come down to simple operation and low cost of ownership. The biggest advantage of Tier 4 Final solutions for compact excavators is increased horsepower, as well as added features such as enhanced serviceability and increased performance.

Indicate **123** on inquiry card



Terex Construction Americas

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
TC16	18	3,800	1.38-5.18	3,237	7' 3"	12' 10"
TC20	18	4,465	1.38-5.18	3,530	7' 3"	13' 9"
TC29	25	6,450	1.4-4.0	4,788	9' 2"	15' 9"
TC35	30	7,780	1.4-6.4	5,530	11' 2"	18' 1"
TC37	30	8,050	1.4-6.4	5,535	10' 6"	18' 1"
TC48	39	10,495	2.5-6.2	6,879	12' 2"	19' 8"
TC50	36	11,070	2.5-13.2	7,014	12' 2"	20' 4"
TC60	43	12,460	2.5-6.2	8,992	12' 2"	20' 4"
TC75	73	16,535	3.3-10.3	11,960	13' 11"	23' 10"
TC125	100	27,560	.34-.70*	18,338	14' 2"	26' 1"

* Cu. yds.



Bobcat Company

Bobcat Company's non-DPF Tier 4 engine solution has allowed its Tier 4 Final machines to provide all of the same performance benefits of the previous Tier 4 Interim models. In addition to eliminating the need for a DPF, the engines provide a 4% to 12% increase in torque. This increase in torque is produced over a wide range of engine RPMs, allowing operators of all skill levels to better utilize the machines' maximum performance.

Indicate **122** on inquiry card

Bobcat Company

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
418 ZTS	10.2	2,593	.03	1,865	6'	10' 2"
324	13.9	3,571	.04	3,620	8' 6"	14'
E26	24.8	5,666	.09	4,991	8' 6"	15' 4"
E32i	24.8	7,183	.13	6,968	10' 3"	16' 4"
E35i ZTS	24.8	7,468	.13	6,968	10' 3"	17' 2"
E32	33.3	7,183	.13	6,968	10' 3"	16' 4"
E35 ZTS	33.3	7,468	.13	6,968	10' 3"	17' 2"
E42	42.7	9,246	.16	9,183	10' 6"	17' 3"
E45 ZTS	42.7	10,077	.19	7,650	10' 10"	18' 7"
E50	49.8	10,677	.19	8,977	11' 7"	19' 6"
E55	49.8	12,271	.19	8,977	12' 11"	19' 11"
E63	59.4	13,779	.19	9,731	13' 7"	20' 5"
E85	59.4	18,960	.27	14,509	15' 6"	23' 11"



Case Construction Equipment

Case has taken the opportunity of Tier 4 to go beyond compliance and evolve many of its excavators' critical systems. Advances in load-sensing and pressure-compensated systems, such as the Intelligent Hydraulic System, have helped excavators achieve new levels of efficiency by only exerting the power and force required for the task at hand. This includes fuel savings, reduced wear and tear on the machine and easier operation, which help increase productivity, simplify training and ultimately reduce operating costs.

Indicate **124** on inquiry card

Case Construction Equipment

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
CX17B	15.2	3,638	.85-1.30*	3,417	7' 1"	12' 5"
CX27B	21.3	5,556	.05-.11	6,351	8' 4"	14' 10"
CX31B	28.4	6,679	.08-.16	8,430	9' 2"	15' 6"
CX36B	28.4	7,958	.08-.24	8,430	10' 1"	16' 9"
CX55B	39.3	12,295	.11-.36	11,240	12' 10"	20'
CX75C SR	54	16,998	.21-.59	12,792	13' 7"	21'
CX80C	54	18,938	.21-.24	12,792	13' 9"	22' 7"
CX130C	100	29,101	.32-1.12	20,233	19' 10"	28' 4"
CX145C SR	100	31,306	.33-1.02	20,233	19' 9"	28' 3"
CX160C LC	124	37,919	.36-1.28	25,179	21' 4"	30' 3"
CX210C LC	160	45,600	.55-1.53	31,923	21' 10"	31' 11"
CX235C SR	160	55,997	.55-1.53	31,923	21' 10"	31' 9"
CX250C	177	55,366	1.12-2.93	36,419	24' 4"	34' 10"
CX300C	207	62,170	1.12-2.93	39,252	24' 10"	36' 1"
CX350C	266	80,000	1.12-2.93	51,436	26' 8"	38' 5"
CX470C	362	105,300	2.03-3.37	55,528	30' 2"	43' 4"
CX700B	463	153,400	2.47-5.91	62,500	32' 4"	46' 11"
CX800B	532	178,575	2.47-5.91	74,187	35'	52' 1"

* Cubic feet



Takeuchi

The TB216, TB230, TB240, TB260 and TB290 all feature Tier 4 Final engines, and according to Takeuchi represent some of the most advanced compact hydraulic excavators available today. The new platform provides increased performance specifications and an improved working range compared to previous models. The units also feature a sleek, modern profile body design with improved serviceability and operator comfort.

Indicate **125** on inquiry card

Takeuchi

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
TB108	9.6	2,033	.8-1.1	3,157	5' 6"	9' 6"
TB016	13.5	3,524	1.1-3.2	4,079	7' 9.5"	13' 1"
TB230	24.4	6,607	1.9-3.9	6,471	10' 2"	16' 1"
TB240	35.8	8,289	1.9-3.9	9,959	11' 6"	18' 5"
TB260	47.6	12,180	2.6-7.6	12,756	12' 9.4"	20' 6.9"
TB290	69.2	18,780	5.6-12.2	16,565	15'	23' 11"
TB1140 Series 2	103.3	34,116	11.1-24	22,188	18'	28' 1"
TB138FR*	28.8	8,355	1.9-3.9	8,955	10' 11"	17' 7"
TB153FR*	38.7	12,450	2.6-7.6	11,093	12' 10"	19' 10"
TB180FR*	60.8	18,370	5.6-12.2	16,335	14' 11"	23' 1"

*Zero swing



Yanmar

The advanced technology zero tailswing Tier 4 Final excavators are the most fuel-efficient excavators Yanmar has ever built. They feature an electronically controlled Tier 4 Final engine and substantially evolved hydraulic system. They also come standard with ECO and Auto-Deceleration modes for more operational efficiency. The result is up to 20% less fuel consumption than previous models, without sacrificing the power that enables them to be productive digging, lifting, multi-tasking machines.

Indicate **127** on inquiry card

Yanmar

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
SV08-1A	10.3	2,348	.029	2,360	5' 4"	8' 11"
Vi017	13.5	3,836	.065	3,418	7' 7"	12' 2"
Vi020-3	19.2	4,860	.086	4,893	8' 7"	13' 8"
Vi025-6	20.4	5,615	.105	5,516	9'	14' 5"
Vi027-5B	21.6	6,946	.105	6,161	9' 6"	15' 1"
Vi035-6A	24.4	7,905	.149	7,216	11' 3"	17' 3"
Vi045-6A	39	10,373	.183	9,158	12' 3"	18' 10"
Vi055-6A	47.6	11,806	.209	10,347	13' 6"	20' 2"
Vi080-1	54.6	18,136	.366	15,863	15' 4"	23' 5"
SV100-2	73	21,550	.4	17,087	15' 9"	24' 3"



JCB

JCB's Tier 4 solution does not require a diesel particulate filter or exhaust aftertreatment, helping to make its excavators more fuel efficient and economical. For example, the JS200 has seen fuel consumption drop from around 6.0 gal. in 2010 to around 4.2 gal. currently, thanks to improvements in engine and hydraulic technology. Powered by a six-cylinder, Tier 4 Interim, 7.8-liter Isuzu engine, the JS360 achieves fuel savings of up to 8% compared with the Tier 3 version of the machine.

Indicate **126** on inquiry card

JCB

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
8008	12	2,094	.3-.61*	2,091	5' 6"	12' 2"
8018	19	4,017	.62-1.47*	3,642	7' 8"	13' 3"
8025Z	26.8	5,919	.83-3.33*	5,395	8' 5.5"	15' 4.25"
8030Z	26.8	7,092	1.08-5.07*	6,295	9' 2"	16' 1"
8035Z	30.4	8,049	1.08-5.07*	7,193	10' 5"	17' 5"
8040Z	45	9,480	1.06-4.6*	8,340	10' 11.5"	18' 11.5"
8045Z	45	10,472	1.06-4.6*	9,487	11' 7"	19' 8"
8055	45.7	11,660	1.06-4.6*	9,487	12' 4"	19' 10"
8065	51	14,515	2.25-8.8*	9,240	13' 4"	21' 4"
8085	53	17,694	2.25-9.89*	11,240	14' 3"	22' 1"
JS145	109	34,430	.307-1.15	20,667	18' 2"	26' 11"
JS160NLC	125	40,644	.5-1.25	26,104	19' 6"	29' 3"
JS 190 NLC	166	44,099	.46-1.18	26,104	20' 6"	29' 3"
JS220LC/XD	172	49,714	.52-1.56	32,080	21' 8"	31' 10"
JS220LR	172	52,342	.36-.72	12,980	39' 4"	50' 10"
JZ235	172	51,194	.5-2.35	32,080	21' 7"	31' 9"
JS260LC/XD	188	61,160	1.0-1.91	43,154	23' 8"	34' 6"
JS260LR	197	63,558	.36-.72	18,876	50' 7"	61' 7"
JS330LC/XD	269	73,387	1.54-2.41	43,000	26' 11"	38' 4"
JS360	281	84,596	1.11-3.06	60,296	26' 6"	38'

*Cubic feet



New Holland Construction

Going to Tier 4 Final has given New Holland the opportunity to add SMART features to its compact excavator line. The iNDR (Integrated Noise and Dust Reduction) system is now standard equipment on excavators above 3 tons. The system acts as a filter for the radiator, reducing maintenance time and offering a reduction in noise off the right rear of the machine. Downward exhaust is also standard, eliminating hot air and gases from the side and directing them below the machine.

Indicate **128** on inquiry card

New Holland Construction

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
E18B	15.2	3,638	-	2,900	7' 1"	12' 5"
E27B	21.6	5,556	-	6,341	8' 4"	14' 10"
E35B	23.07	8,090	-	6,227	10'	17' 1"
E55Bx	37.9	12,295	-	7,913	12' 9"	20'

Hyundai

The transition to Tier 4 Final has increased engine horsepower and reduced fuel consumption, making Hyundai equipment more powerful and fuel efficient than previous models, while achieving near-zero emissions levels. While the equipment will be more eco-friendly, operators of the Tier 4 Final machines will be experiencing significant fuel savings due to the decreased fuel usage with these upgraded engines.

Indicate **129** on inquiry card



Mustang

The Mustang 350Z NXT2 compact excavator is equipped with an electronically controlled Yanmar Tier 4-certified diesel engine that provides 20% less fuel consumption. In addition, ECO mode will reduce the engine speed by 10% without sacrificing power, and save fuel when full speed is not necessary. Auto deceleration mode improves fuel economy, lowers noise levels and reduces emissions by reducing engine speed to idle after four seconds without hydraulic movement.

Indicate **130** on inquiry card

Hyundai Construction Equipment Americas Inc.

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
R16-9	16.2	3,640	.05	3,400*	7' 5"	12' 9"
R25Z-9A	23.1	5,730	.09	4,740	7' 11"	14' 3"
R27Z-9	23.1	6,350	.10	4,520*	8' 2"	14' 10"
R35Z-7A	26.5	8,050	.14	7,050	10' 4"	17' 2"
R35Z-9	26.5	8,050	.14	7,050*	10' 4"	17' 2"
R55-9/R55-9A	55.2	12,460	.24	9,550*	12' 6"	19' 9"
R60CR-9/R60CR-9A	55.2/63	13,010	.24	9,190*	11' 9"	19' 9"
R80CR-9	58.2	18,410	.37	12,570*	13' 7"	22' 5"
R140LC-9/R140LCD-9	113	30,820/32,630	.76	21,300	20'	28' 5"
R140LC-9A/R140LCD-9A	116	30,820/32,630	.76	21,300	19' 10"	28' 4"
R145LCR-9/R145LCRD-9	113	33,020/34,830	.68	21,300	19' 8"	28' 4"
R145LCR-9A/R145LCRD-9A	116	33,020/34,410	.68	21,300	19' 8"	28' 4"
R160LC-9/R160LCD-9	120	39,240/41,450	.92	26,330	19' 11"	29' 1"
R160LC-9A/R160LCD-9A	128	39,240/41,450	.92	26,330	19' 11"	29' 1"
R180LC-9/R180LC-9A	120/128	41,560	.99	26,330	19' 11"	29' 1"
R180LCD-9/R180LCD-9A	128	43,760	.99	26,330	19' 11"	29' 1"
R210LC-9	143	49,640	1.20	32,710	22' 1"	32' 3"
R210NLC-9	143	48,720	1.14	37,100	21' 9"	32' 2"
R220LC-9A	157	49,640	1.20	32,550	22' 1"	32' 3"
R235LCR-9	143	53,620	1.05	32,710	21' 12"	31' 12"
R235LCR-9A	157	53,620	1.05	32,550	21' 12"	31' 12"
R250LC-9	183	56,880	1.41	38,480	23'	33' 5"
R260LC-9A	178	56,880	1.41	38,290	22' 12"	33' 5"
R290LC-9	197	68,030	1.66	41,370	24' 7"	34' 10"
R300LC-9A	212	68,260	1.66	41,170	24' 3"	34' 10"
R320LC-9	263	74,960	1.88	46,200	24' 2"	35' 11"
R330LC-9A	268	74,960	1.88	46,200	24' 2"	35' 11"
R380LC-9	271	86,200	2.12	49,300	24' 8"	36' 3"
R380LC-9A	290	86,200	2.12	49,300	26' 12"	38' 3"
R480LC-9	342	108,420	2.81	54,110	25' 7"	39' 1"
R480LC-9A	352	108,420	2.81	54,590	27' 9"	40' 11"
R520LC-9	342	114,820	2.81	62,050	24' 11"	38' 10"
R520LC-9A	352	114,820	2.81	62,050	26' 11"	40' 9"
R1200LC-9	740	260,140	8.76	125,540	26' 3"	43' 11"
R55W-9**	55.2	12,240	.24	8,490	11' 6"	19' 7"
R140W-9**	133	30,200	.76	21,300	15' 11"	25' 3"
R170W-9**	153	38,140	.99	26,330	17' 9"	27' 10"
R210W-9**	165	45,200	1.05	31,830	20' 11"	32'

*ISO **Wheeled

Mustang

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. yds.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
170Z	13.5	3,836	N/A	3,417	7' 2.6"	12' 2.1"
270Z	21.6	6,946	N/A	5,732	9' .3"	15' .7"
350Z NXT2	23.9	7,905	N/A	5,643	10' 8"	17' 3.5"
450Z NXT2	37.7	10,417	N/A	6,497	11' 8"	18' 10"
800Z	54.6	18,136*	N/A	11,332	14' 4.4"	23' 5.1"

* With cab



Innovative Equipment

The TMX is a towable, drivable mini-excavator that features a 28-hp Subaru EFI gas motor or 21.5-hp Kubota diesel engine. The design eliminates the need for a trailer so vehicle fuel consumption is reduced. With zero-turn capabilities and 6,600 lbs. of digging force, the TMX units offer 21% more digging force compared to similar-sized models, plus provide turf-friendly use.

Indicate **131** on inquiry card

Innovative Equipment

Model	Net HP	Operating Weight (lbs.)	Std. Bucket (cu. ft.)	Breakout Force (lbs.)	Max. Dig Depth	Max. Reach at Grade
TMX-Gas*	28	2,941	1.64	6,000	8'	144"
TMX-Diesel*	21.5	2,985	1.64	6,000	8'	144"

* Wheeled