



**WACKER
NEUSON**
all it takes!

Product Guide



A single-source for reliable solutions

Wacker Neuson can trace its roots back to 1848, when Johann Christian Wacker founded a blacksmith's shop in the city of Dresden, Germany. In 1930, we registered our first patent for an electric rammer designed to compact soil. Today, as part of the global Wacker Neuson Group, we have over 200 patents and 300 models and serve a highly diverse range of markets.

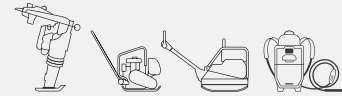
Wacker Neuson - all it takes!

No matter what challenges you may face on the job site, Wacker Neuson has all it takes. We offer customers across the globe a comprehensive range of equipment designed for applications across the construction, landscape, agriculture, industrial and municipal industries. Our diverse range of products includes concrete technology, compaction equipment, light towers, generators, pumps, heaters, skid steers, compact and utility track loaders, excavators, wheel loaders, telehandlers and dumpers. Wacker Neuson products are sold, rented and serviced by a quality dealer network near you.



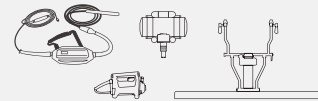
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zero emission



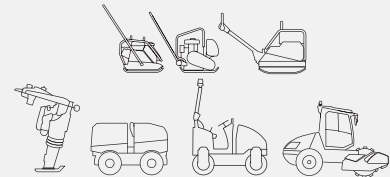
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Concrete Technology



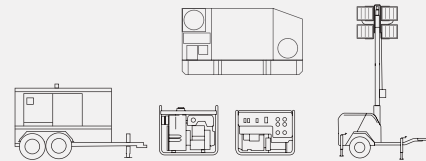
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Compaction



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Utility



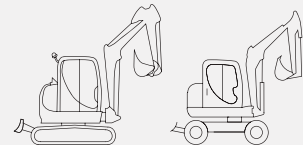
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Dumpers



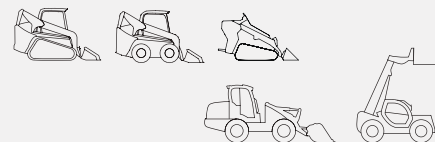
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Excavators



68

Loaders



80

zero emission



Battery-powered Internal Vibrator

	Unit	Converter backpack ACBe	internal vibrator IEe
Operating weight with/without BOB10	lb	29.76 / 9.25	–
Operating weight with/without BOB14	lb	30.45 / 9.25	–
Rated current	A	20	–
Input/output voltage V	V	51 (3~) / 34 (3~)	–
Output frequency	Hz	1.01	–
Output performance	kW	0.79	–
Vibrator head diameter	in	–	1.5 / 1.8 / 2.3
Hose lengths	in	–	4.9 / 9.8 / 16.4
Running time with a battery charge (BOB10)	hr	–	Up to 4 hours of running time

Battery-powered Single-direction Vibratory Plates

	Unit	APS1135e	APS1340e	APS1550e	APS2050e
Operating weight (without / with water tank)	lb	127.9/132.2	154.4/158.7	170/181	192/203
Centrifugal force	lbf	2,473	2,923	3,372	4,496
Operating width	in	13.8	15.8	19.7	19.7
Frequency	VPM	5,880	5,880	5,880	5,880
Advanced travel	ft/min	85.3	85.3	85.3	85.3

Battery-powered Vibratory Rammers

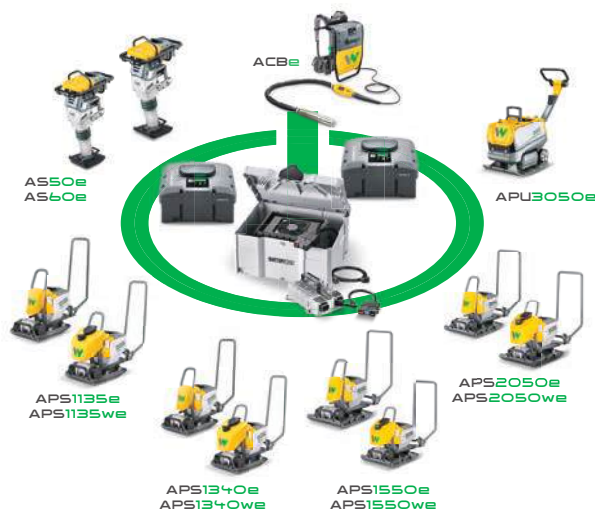
	Unit	AS50e	AS60e
Operating weight	lb	155.2	155.2
Ramming shoe	in	11	11
Stroke	in	1.7	2.1
Max. percussion rate	(rpm)	680	680

Battery-powered Reversible Vibratory Plate

	Unit	APU3050e
Operating weight	lb	467
Centrifugal force	lbf	6,744
Operating width	in	19.7
Frequency	VPM	5,400
Advanced travel	ft/min	62.3

BATTERYONE One battery for all

Battery One batteries can power our rammers, plates and internal vibrator system. They are specially developed for tough applications.



	Unit	BOB10	BOB14
Energy content	Wh	1,008	1,425
Weight	lb	20.5	21.2
Length x width x height	in	8.66 x 11.42 x 7.72	8.66 x 11.42 x 7.72
Capacity	Ah	20	28
Rated voltage	V	51	51

Charging and transport solutions

Battery One also offers practical transport and charging boxes. Batteries are easily changed without tools.



	Unit	BOC7	BOC13
Charging current	A	7	13
Charging time	min	90-275	50-112

zero emission



Dualpower Excavator

	Unit	803 dualpower	HPU8
Max. operating power at operating speed	hp/rpm	15.4 @ 2,500	10.0
Engine type		Yanmar 3TNV74F, liquid-cooled, 3-cylinder, turbo diesel engine.	400 Volt, 3-phase, electric motor
Fuel tank capacity	gal	1.8	—
Travel speed	mph	0 – 1.1	—
Track width	in	7.1	—
Track rollers per side		2	—
Ground clearance	in	5.1	—
Ground pressure	psi	3.4	—
Max. arm force	lbf	1,014	—
Max. bucket digging force	lbf	2,021	—
Pump capacity	gal/min	2 x 2.8	5.3
Operating pressure for working hydraulics	psi	2,466	3,046
Operating pressure for swing gear	psi	1,015	—
Hydraulic tank capacity	gal	3.7	2.5
Height (ROPS in up position)	in	89	39.4
Width (track in / out)	in	27.6 / 33.5	28.3
Transport length (boom down)	in	108.1	36.6
Max. digging depth	in	69.5	—
Max. dumping height	in	79.2	—
Digging radius	in	121.7	—
Transport weight / Operating weight	lbs	2,182 / 2,396	423
Hydraulic hose length	ft	—	39.4

Internal Vibrators

BASIC



Electric Flex-shaft Vibrators

	Unit	M1500	M2500
Drive system		Double-insulated universal motor	
Voltage 1~	V	120	120
Current	A	12.5	15
Power	hp	2.0	2.5
Weight	lb	10.9	11.9

Shafts

	Unit	SM1-E	SM2-E	SM3-E	SM4-E	SM5-E	SM7-E	SM0-S	SM1-S	SM2-S	SM3-S	SM4-S	SM5-S	SM7-S	SM9-S
Length	in	39.4	78.7	118.2	157.5	197	275.8	19.7	39.4	78.7	118.1	157.5	196.8	275.6	354.3
Weight	lb	3.3	5.5	7.5	9.5	11	15.4	2.9	6	9.5	13	15.7	20.6	28.4	33.3

Heads

	Unit	H25S	H25HA	H35S	H35HA	H45S	H45HA	H50HA	H65	HR48	HR65	HR70	H70S
Diameter	in	1	1	1.4	1.4	1.8	1.8	2	2.6	1.9	2.5	2.75	2.75
Length	in	11.6	15	12.2	15.9	12	15.4	15.6	15.2	6	15	15	6
Weight	lb	1.8	2.9	3.5	5.1	6.2	7.3	8.5	13.7	6	8.4	11	6

Shaft and Head Chart

SM 1-E	SM 2-E	SM 3-E	SM 4-E	SM 5-E	SM 7-E
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H25

H25HA



M1500 or M2500

SM 0-S	SM 1-S	SM 2-S	SM 3-S	SM 4-S	SM 5-S	SM 7-S	SM 9-S
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H35

H35HA

H45

H45HA



M1500 or M2500

H50HA

H65

HR48

HR65

HR70

HR70S



M2500 only

T-handle guide

Green
M1500Red
M2500

H = Vibrator Head (Number = Head diameter in mm),
HA = High Amplitude,
HR = Rubber Coated,
S = Short head, SM = Flexible
Shafts (Number = Length in meters, 0 = 0.5 meters),
E = Economy, S = Standard

Internal Vibrators
ADVANCED



IEC

Internal Vibrators

	Unit	IEC45	IEC58
Vibrator Head Diameter	in	1.8	2.3
Effective consolidation diameter*	in	23.6	33.5
Input voltage ~	V	120	120
Current	A	8	8
Frequency	Hz	50 -60	50 -60
Protective hose/ power cable	ft	10-26.3 / 17.4	10-26.3/17.4

IRFLEX

	Unit	IRflex38	IRflex45	IRflex58	IRflex60HR
Vibrator head diameter	in	1.5	1.8	2.3	2.6
Effective consolidation diameter*	in	19.7	23.6	33.5	33.5
Protective hose length	ft	9.8 / 164	16.4	16.4/26.2/32.8/49.2	16.4/32.8
Head length	in	13.6	15	15.8	15.8

* This is non-binding information based on the practical experience of our customers under certain operating conditions.
This information may differ under certain conditions. We recommend first attempting trial concreting work under the operating conditions.

Internal Vibrators
PREMIUM with integrated converter



Internal Vibrators

	Unit	FUFlex4/120
Input voltage ~	V	120
Current	A	12
Frequency	Hz	50 -60
Power cable	ft	49.2

IRFU

	Unit	IRFU65
Vibrator head diameter	in	2.6
Effective consolidation diameter*	in	39.4
Input voltage ~	V	120
Current	A	15
Frequency	Hz	50-60
Protective hose length	ft	16.4 / 26.2

ZERO EMISSION

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Backpack Vibrators



Backpack Vibrators

	Unit	BV50A-H**
Length x width x height	in	23 x 19 x 23
Weight w/o shaft & head	lb	29
Shaft	ft	10, 13, 16.5
Head diameter	in	1, 1-3/8, 1-3/4, 2
Frequency (no load)	vpm	12,000
Engine type		4-cycle, overhead valve, single-cylinder, air-cooled, gasoline Honda GXH 50
Starter		Recoil
Operating speed	rpm	variable
Fuel tank capacity	gal	0.8
Fuel consumption	qt/h	0.9

BV50A-H Backpack Shaft and Head Chart

	Allowable combinations for H25HA			Allowable combinations for H35HA-50HA		
	SM 3-E	SM 4-E	SM 5-E	SM 3-S	SM 4-S	SM 5-S
H25HA						
H35HA						
H45HA						
HR48						
H50HA						



** Backpack heads and shafts sold separately.



Battery-powered Backpack Vibrators

	Unit	ACBE**
Length x width x height	in	11.7 x 9.3 x 22
Weight w/battery BOB10 / BOB14	lb	29.76 / 30.45
Shaft	ft	5.0 / 10.0 / 16.5
Head diameter (IEe38 / IEe45 / IEe58)	in	1.5 / 1.8 / 2.3
Power source		Electric, Battery BOB10 / BOB14, Li-Ion
Battery weight BOB10 / BOB14	lbs	20.5 / 21.2
Battery voltage	V	51.0
Battery content BOB10 / BOB14	Wh	1,008 / 1,425
Battery charge time (max) BOC7 / BOC13	min	90-276 / 50-112

Internal Vibrators

	Unit	IEe38	IEe45	IEe58
Vibrator head diameter	in	1.5	1.8	2.3
Weight with 1.5 m hose	lb	8.8	11.5	17
Weight with 3.0 m hose	lb	11.5	14	21
Weight with 5.0 m hose	lb	14.1	19.4	26.7
Rated current	A	6.2	9.9	14.8
Voltage (~3)	V	34	34	34
Output frequency	Hz	200	200	200
Output performance	kW	0.29	0.47	0.7
Protection class		IP67	IP67	IP67

External Vibrators



External Vibrators*

	Unit	AR26/6/042	ARFU26/6/120
Vibrations	rpm	6,000	6,000
Max. centrifugal force	lbf	780	780
Rated voltage	V	42,3 ~	110
Rated current	A	8.0	12
Weight	lb	16.53	24.7
Fastening	mm	90 x 125	90 x 125

Fasteners*

	Unit	SV4	SV4L	SV5	SV53	SV54
Length	in	12.8	16.5	15.2	15.3	16.1
Width	in	7.7	7.7	7.7	8.1	6.3
Height	in	4.8	4.8	4.8	3.9	8.0
Weight	lb	9.5	12.5	12.1	11.7	13.7

Frequency Converter*

	Unit	FUE6/042/200
Weight	lb	67.2
Input/Output voltage	V	220, 1~ / 42, 3~
Input/Output frequency	Hz	50-60 / 200
Input/Output current	A	22/50
Power cable	ft	32.8
Receptacles	units	4

*USA only.

Screed



Wet Screed

	Unit	P35A
Length x width x height	in	36.7 x 36.7 x 35.6
Weight	lbs	34.2
Engine type		Honda GX35, 4-cycle, air-cooled ,gasoline engine.
Operating speed	rpm	variable
Fuel tank capacity	qt	0.7
Fuel consumption	qt/h	0.6
Shipping weight	lbs	41
Shipping size	in	26.3 x 19 x 24.5

Blades*

	Unit	SB4F	SB5F	SB6F	SB20M	SB8F	SB10F
Length	ft	4	5	6	6.6	8	10
Width	in	6.1	6.1	6.1	6.1	6.1	6.1
Weight	lbs	6.1	7.7	9.1	11.7	12.3	15.3

	Unit	SB12F	SB14F	SB16F
Length	ft	12	14	16
Width	in	6.1	6.1	6.1
Weight	lbs	18.3	22	25

* Magnesium wet screed blades

Vibratory Rammers



BS50-2plus

BS70-2plus

BS60-2plus



BS50-2

AS50e

AS60e

Oil-injected Rammers

2-cycle Rammer

Battery Rammers

	Unit	BS50-2plus	BS60-2plus	BS70-2plus	BS50-2	AS50e	AS60e
Length x width x height	in	26.5 x 13.5 x 37	26.5 x 13.5 x 38	26.5 x 13.5 x 38	26.5 x 13.5 x 37	24 x 14.2 x 41.3	24 x 14.2 x 41.3
Shoe size (w x l)	in	11 x 13	11 x 13	11 x 13 or 13 x 13	11 x 13	11 x 13	11 x 13
Operating weight	lbs	130	146	163	130	155.2	155.2
Stroke	in	2.5	2.6	2.6	2.5	1.7	2.1
Percussion rate	blows/min	700	700	700	687	680	680
Impact force	lbf	3,597	4,047	4,496	3,597	3,597	3,822
Travel speed	ft/min	31	32	29	31.2	36	40
Compacted area 11 in shoe 13 in shoe	ft ² /h	1,710	1,763	1,598 1,884	1,712	1,656	1,656
Engine type		Wacker Neuson WM 80, air-cooled, 2-cycle, single-cylinder, gasoline engine.			Wacker Neuson WM 80, air-cooled, 2-cycle, single-cylinder, gasoline engine.	Electric battery BOB10 / BOB14 Li-ion.	Electric battery BOB10 / BOB14 Li-ion.
Displacement	in ³	4.9	4.9	4.9	4.9	–	–
Operating speed	rpm	4,400	4,400	4,400	4,400	–	–
Max. rated power	hp rpm	2.2 @ 4,400	2.4 @ 4,400	2.7 @ 4,400	2.3 @ 4,400	–	–
Fuel to oil ratio		100:1	100:1	100:1	50:1	–	–
Fuel consumption	qt/h	1.1	1.3	1.4	1.1	–	–
Fuel tank capacity	qt	3.2	3.2	3.2	3.2	–	–
Oil tank capacity	qt	1.3	1.3	1.3	–	–	–

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Vibratory Rammers



4-cycle Vibratory Rammers

	Unit	BS62-4AB	BS68-4AB
Length x width x height	in	26.1 x 13.7 x 36.2	26.1 x 13.7 x 37.4
Shoe size (w x l)	in	11 x 13	11 x 13
Operating weight	lbs	141.1	154.3
Stroke	in	2.6	2.6
Percussion rate	blows/min	689	689
Impact force	ibf	3,821.8	4,271.4
Travel speed	ft/min	49	46
Compacted area 11 in shoe	ft²/h	2,715	2,529
Engine type		Honda GXR120, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Honda GXR120, air-cooled, 4-cycle, single-cylinder, gasoline engine.
Displacement	in³	5.98	5.98
Operating speed	rpm	3,600	3,600
Max. rated power	hp rpm	3.6 @ 3,600	3.6 @ 3,600
Fuel consumption	qt/h	0.8	0.8
Fuel tank capacity	qt	3.2	3.2

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Single-direction Vibratory Plates

WP1550A
WP1550Aw



VP1550A
VP1550Aw



VP2050A
VP2050Aw



Vibratory Plates

	Unit	WP1550A / WP1550Aw	VP1550A / VP1550Aw*	VP2050A / VP2050Aw
Length x width x height	in	34.5 x 19.6 x 37.9	40.7 x 19.9 x 37	40.7 x 19.9 x 37
Lowest working height	in	20.7	21.8	21.8
Size of baseplate (w x l)	in	19.6 x 22.8	19.9 x 23.4	19.9 x 23.4
Operating weight	lbs	196.2	205 / 222.6	221 / 238.6
Water tank	qt	11	9.5	9.5
Compacted area*	ft²/h	9,365	9,365	9,365
Forward speed*	ft/min	95	95	95
Gradeability	%	36.4	36.4	36.4
Vibration frequency	vpm	5,880	5,880	5,880
Centrifugal force	lbs	3,375	3,372	4,496
Engine type	Honda GX160, air-cooled, 4-cycle, single-cylinder, gasoline engine.			
Displacement	in³	9.9	3,900	3,900
Operating speed	rpm	3,600	4.8 @ 3,600	4.8 @ 3,600
Max. rated power	hp rpm	4.15 @ 3,600	0.95	0.95
Fuel tank capacity	gal	0.95	0.2	0.2
Fuel consumption	gal/h	0.21	yes	yes
Wheel kit option		yes	yes	yes

* Specifications vary depending on soil or asphalt.

* Canada only while supplies last.

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Single-direction Vibratory Plates



Vibratory Plates

	Unit	BPS1030A / BPS1030AW*	BPS1135A / BPS1135AW	BPS1340A / BPS1340AW	BPS1550A / BPS1550AW	BPS1550B / BPS1550BW	BPS2050A / BPS2050AW	BPS2050B / BPS2050BW
Length x width x height	in	36.6 x 12.5 x 26.1	36.6 x 14 x 26.1	36.6 x 15.7 x 26.1	38.1 x 19.7 x 26.1	38.1 x 19.7 x 26.1	40.7 x 19.7 x 26.1	40.7 x 19.7 x 26.1
Lowest working height	in	26.1	26.1	26.1	26.1	26.1	26.1	26.1
Size of baseplate (w x l)	in	11.8 x 23.6	13.8 x 23.6	15.8 x 23.6	19.7 x 23.6	19.7 x 23.6	19.7 x 23.6	19.7 x 23.6
Operating weight	lbs	116.8 / 123.5	134.4 / 138.9	156.5 / 167.6	184.5 / 196.4	185.4 / 196.3	206.5 / 218.5	207.5 / 219.4
Water tank	qt	9.5	9.5	9.5	9.5	8.4	9.5	8.4
Compacted area**	ft²/h	5,382	5,877	6,717	8,073	8,073	8,073	8,073
Forward speed**	ft/min	85.3	85.3	85.3	82	82	82	82
Gradeability	%	36.4	36.4	36.4	36.4	36.4	36.4	36.4
Vibration frequency	vpm	5,880	5,880	5,880	5,880	5,880	5,880	5,880
Centrifugal force	lbs	2,248	2,473	2,923	3,372	3,372	4,496	4,496
Engine type		Honda GX120, air-cooled, 4-cycle, single-cylinder, gasoline engine.			Honda GX160, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Briggs & Stratton XR750B, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Honda GX160, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Briggs & Stratton XR750B, air-cooled, 4-cycle, single-cylinder, gasoline engine.
Max. rated power	hp rpm	4 @ 3,600	4 @ 3,600	4 @ 3,600	4.8 @ 3,600	4.8 @ 3,600	4.8 @ 3,600	4.8 @ 3,600
Fuel tank capacity	gal	0.66	0.66	0.66	0.95	0.8	0.95	0.8
Fuel consumption	gal/h	0.26	0.26	0.26	0.21	0.3	0.21	0.3
Wheel kit option		no	yes	yes	yes	yes	yes	yes

* Canada only. ** Specifications vary depending on soil or asphalt.

Single-direction Vibratory Plates



APS1135e
APS1135we



APS1340e
APS1340we



APS1550e
APS1550we



APS2050e
APS2050we

Battery-powered Vibratory Plates

	Unit	APS1135e / APS1135we	APS1340e / APS1340we	APS1550e / APS1550we	APS2050e / APS2050we
Length x width x height	in	36.6 x 13.8 x 26.1	36.6 x 15.8 x 26.1	36.6 x 19.7 x 26.1	36.6 x 19.7 x 26.1
Lowest working height	in	26.1	26.1	26.1	26.1
Size of baseplate (w x l)	in	13.8 x 23.6	15.8 x 23.6	19.7 x 23.6	19.7 x 23.6
Operating weight	lbs	127.9 / 132.2	154.3 / 158.7	169 / 181	191 / 203
Water tank	qt	9.5	9.5	8.4	8.4
Compacted area*	ft²/h	5,877	6,716	8,073	8,073
Forward speed*	ft/min	85.3	85.3	84	84
Gradeability	%	46.6	46.6	46.6	46.6
Vibration frequency	vpm	5,880	5,880	5,880	5,880
Centrifugal force	lbs	2,473	2,923	3,372	4,496
Power source		Battery BOB10 / BOB14		Battery BOB10 / BOB14	
Battery		Li-Ion		Li-Ion	
Battery Weight BOB10 / BOB14	lbs	20.5 / 21.2		20.5 / 21.2	
Battery L x W x H	in	8.7 x 11.4 x 7.7		8.7 x 11.4 x 7.7	
Battery voltage	V	51		51	
Battery content BOB10 / BOB14	Wh	1,008 /1,425		1,008 /1,425	

* Specifications vary depending on soil or asphalt.

ZERO EMISSION

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LOADERS

Reversible Vibratory Plates



Reversible Vibratory Plates

	Unit	WPU1550A / WPU1550AW	BPU2540A	APU3050e	BPU3050A
Operating width	in	19.7	15.8	19.7	19.7
Machine height	in	23.7	26	24.3	27.5
Operating height	in	39.84	31.5 - 45.0	46.8	31.5 - 45.0
Operating weight	lbs	224.9 / 231.5	309	467.4	366
Base plate thickness	in	0.4	0.4	0.4	0.4
Centrifugal force	lbs	3,372	5,625	6,744	6,744
Frequency	vpm	5,800	5,400	5,400	5,400
Forward and reverse travel*	ft/min	65	68.9	62.3	68.9
Compacted area*	ft²/h	8,718	5,425	6,135	6,781
Gradeability*	%	30	30	48	30
Engine type		Honda GX160, air-cooled, 4-cycle, single-cylinder gasoline engine.	Honda GX160, air-cooled, 4-cycle, single-cylinder gasoline engine.	Electric Battery BOB10 / BOB14 Li-ion	Honda GX270, air-cooled, 4-cycle, single-cylinder gasoline engine.
Max. rated power	hp rpm	4.8 @ 3,600	5.5 @ 3,600	-	9.0 @ 3,600
Fuel tank capacity	qt	3.8	3.9	-	5.3
Fuel consumption	qt/h	.84	0.9	-	1.2
Water tank capacity	qt	12.8	-	-	-

* Specifications vary depending on soil or asphalt.

ZERO EMISSION

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Reversible Vibratory Plates

BPU3750A



BPU4045A



BPU5545A



Reversible Vibratory Plates

	Unit	BPU3750A	BPU4045A	BPU5545A
Operating width	in	19.7	23.6*	23.6*
Machine height	in	29.4	28.5	28.5
Operating height	in	36.8 - 51.3	40.6 - 55.5	40.6 - 55.5
Operating weight	lbs	529	710	750
Base plate thickness	in	0.4	0.5	0.5
Centrifugal force	lbs	8,318	8,992	12,364
Frequency	vpm	5,400	4,140	4,140
Forward and reverse travel**	ft/min	82	78.7	88.6
Compacted area**	ft²/h	8,073	9,300	9,171
Gradeability**	%	30	34	34
Engine type		Honda GX270, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Honda GX270, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Honda GX390, air-cooled, 4-cycle, single-cylinder, gasoline engine.
Max. rated power	hp rpm	8 @ 3,600	8 @ 3,000	8.6 @ 3,000
Fule tank capacity	qt	5.6	5.6	6.4
Fuel consumption	qt/h	1.2	1.7	2.1
Max. allowable tilt	deg	20	20	20

* Includes standard extension plates. ** Specifications vary depending on soil or asphalt.

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Reversible Vibratory Plates



Reversible Vibratory Plates

	Unit	DPU40Veh	DPU45Veh	DPU5545Heh	DPU6555Heh †	DPU6555Hech †	DPU90r / DPU90 †	DPU110 / DPU110r †	DPU130Le
Operating width	in	23.8*	23.8*	23.6*	28.0*	28.0*	30	38	47
Machine height	in	31	31	31	33.6	33.6	33	32.4	39
Shipping height	in	60.6	60.6	59.6	59.9	59.9	33	48.8	39
Operating weight	lbs	844.4	848.8	935	1,091	1,096	1,700 / 1,596	1,830 / 1786	2,613
Base plate thickness	in	0.5	0.5	0.5	0.5	0.5	0.6	0.55	0.6
Centrifugal force	lbs	8,992	10,116	12,364	14,612	14,612	20,233	24,729	29,225
Frequency	vpm	4,140	4,140	4,140	4,140	4,140	3,780	3,600	3,480
Forward and reverse travel**	ft/min	78.7	78.7	77	91.8	91.8	98 / 91.8	98.4/92	102
Compacted area ** (standard extension plates)	ft²/h	9,364.7	9,364.7	9,171	12,917	12,917	14,919 / 13,929	18,794 / 17,515	24,025
Max. gradeability	%	36.4	36.4	38	38	38	34	40	–
Engine type		Yanmar L70W, air-cooled, 4-cycle, single-cylinder, diesel engine.	Yanmar L70W, air-cooled, 4-cycle, single-cylinder, diesel engine.	Hatz 1D42S, air-cooled, 4-cycle, single-cylinder, diesel engine.	Hatz Supra 1D90, air-cooled, 4-cycle, single-cylinder, diesel engine.	Hatz Supra 1D90, air-cooled, 4-cycle, single-cylinder, diesel engine.	Kohler, liquid-cooled, 4-cycle, 2-cylinder, diesel engine.	Kohler, liquid-cooled, 4-cycle, 3-cylinder, diesel engine.	Kohler, liquid-cooled, 4-cylinder, diesel engine.
Max. rated power at (DIN ISO 3046)	hp rpm	6 @ 3,000	6 @ 3,000	8.5 @ 2,850	12.9 @ 2,800	12.9 @ 2,800	14.3 @ 3,350 / 15.7 @ 3,600	24.8 @ 3,600	32.8 @ 3,600
Fuel tank capacity	qt	3.6	3.6	5.3	6.3	6.3	7.6	11.6	19
Fuel consumption	gal/h	0.4	0.47	0.5	0.5	0.5	0.7	3.4	1

* Includes standard extension plates. ** Specifications vary depending on soil or asphalt.

† Available with Compatec, compaction control system.

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Vibratory Trench Roller

	Unit	RTLx-SC3*
Length x width x height	in	73 x 32 x 50
Operating weight	lbs	3,230
Drum diameter	in	20.5
Drum width	in	22 / 32
Engine type		Kohler KDW1003, liquid-cooled, 4-cycle, 3-cylinder, diesel engine.
Max. rated power	hp rpm	19.8 @ 3,000
Vibration frequency	HZ	42
Starter		Electric
Operating speed	rpm	3,000
Centrifugal force	lbs	High 15,400 / Low 7,700
Frequency	vpm	2,500
Static linear force (F/R)	lb/in	56.2 / 52.3
Dynamic linear force (F/R)	lb/in	258 / 258
Transmission		Hydrostatic
Fuel tank capacity	gal	6.3
Fuel consumption	gal/h	1.2

*Available with Compatec, compaction control system



Vibratory Ride-on Roller

	Unit	RD12L-90
Length x width x height	in	74 x 38.8 x 90.6
Drum width	in	35.4
Max. Operating weight	lbs	2,964
Side clearance left / right	in	1.7 / 1.7
Turning radius (inside)	in	76.8
Drum type front		smooth
Drum type rear		smooth
Engine type		Kohler ECH650, air-cooled, 2-cylinder, gasoline engine.
Power output (ISO 14396)	hp	20.8
Fuel tank capacity	gal	6.3
Infinitely variable speed	mph	0-5
Gradeability w/wo vibration	%	25 / 30
Centrifugal force, front (I/II)	lbf	3,400 / –
Centrifugal force, rear (I/II)	lbf	–
Water tank capacity	gal	35

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RD18-100C



ZERO EMISSION

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Vibratory Ride-on Rollers

	Unit	RD18-80	RD18-100	RD18-100C
Length x width x height	in	90 x 33.7 x 87	90 x 41.6 x 90.4	90 x 40.9 x 87
Drum width	in	31.5	39.4	39.4
Max. Operating weight	lbs	3,725	3,924	3,836
Side clearance left / right	in	0 / 0	0 / 0	0 / 0
Turning radius (inside)	in	87.8	83.9	83.9
Drum type front		smooth	smooth	smooth
Drum type rear		smooth	smooth	tires
Tire size in rear		–	–	205/60 – R15
Engine type		Kubota D1105-E4B, 3-cylinder, diesel engine.		
Power output (ISO 14396)	hp	21.9	21.9	21.9
Fuel tank capacity	gal	8.7	8.7	8.7
Infinitely variable speed	mph	0-6.8	0-6.8	0-6.8
Gradeability w/wo vibration	%	30 / 40	30 / 40	30 / 40
Centrifugal force, front (I/II)	lbf	3,822 / 2,473	3,824 / 2,473	3,824 / 2,473
Centrifugal force, rear (I/II)	lbf	3,822 / 2,473	3,822 / 2,473	–
Water tank capacity	gal	18.5	18.5	18.5

Rollers



RD24-100

RD28-120



Vibratory Ride-on Rollers

	Unit	RD24-100	RD24-100c	RD24-100o	RD28-120	RD28-120c	RD28-120o
Length x width x height	in	99.6 x 43.7 x 94.1	99.6 x 43.7 x 94.1	99.6 x 43.7 x 94.1	99.6 x 43.7 x 94.1	99.6 x 43.7 x 94.1	99.6 x 43.7 x 94.1
Drum width	in	39.4	39.4	39.4	47.2	47.2	47.2
Max. operating weight	lbs	7,033	6,856	7,143	7,518	7,319	7,650
Side clearance left / right	in	2.2 / 2.2	2.2 / 2.2	2.2 / 2.2	2.2 / 2.2	2.2 / 2.2	2.2 / 2.2
Turning radius (inside)	in	97.3	97.3	97.3	93.3	93.3	93.3
Drum type front		smooth	smooth	smooth	smooth	smooth	smooth
Drum type rear		smooth	tires	smooth	smooth	tires	smooth
Tire size in rear		–	205/60 – R15	–	–	205/60 – R15	–
Engine type		Kubota 1703, 3-cylinder, diesel engine.			Kubota Diesel 1703, 3-cylinder, diesel engine.		
Power output	hp	24.8			24.8		
Fuel tank capacity	gal	11.1			11.1		
Infinitely variable speed	mph	0 - 6.3	0 - 6.0	0 - 6.3	0 - 6.3	0 - 6.0	0 - 6.3
Gradeability with/without vibration	%	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	35 / 40
Centrifugal force, front (I/II)	lbf	7,419 / 4,496	7,419 / 4,496	7,419 / 4,496	8,543 / 5,171	8,543 / 5,171	8,543 / 5,171
Centrifugal force, rear (I/II)	lbf	7,419 / 4,496	–	–	8,543 / 5,171	–	–
Oscillation force, rear (I/II)	lbf	–	–	8,767 / 5,170	–	–	8,767 / 5,170
Water tank capacity	gal	47.6	47.6	47.6	47.6	47.6	47.6

ZERO EMISSION

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Rollers



RD45-140

RD40-130C

Vibratory Ride-on Rollers

	Unit	RD40-130	RD40-130C	RD40-130D	RD45-140	RD45-140C	RD45-140D
Length x width x height	in	116.7 x 56.1 x 102	116.7 x 56.1 x 102	116.7 x 56.1 x 102	116.7 x 56.1 x 102	116.7 x 56.1 x 102	116.7 x 56.1 x 102
Drum width	in	51.2	51.2	51.2	54.3	54.3	54.3
Max. operating weight	lbs	11,816	11,265	11,971	12,412	11,574	12,623
Side clearance left / right	in	2.5 / 2.5	2.5 / 2.5	2.5 / 2.5	2.5 / 2.5	2.5 / 2.5	2.5 / 2.5
Turning radius (inside)	in	105.9	105.9	105.9	104.3	104.3	104.3
Drum type front		smooth	smooth	smooth	smooth	smooth	smooth
Drum type rear		smooth	tires	smooth	smooth	tires	smooth
Tire size in rear*		–	10.5/80 - 16	–	–	10.5/80 - 16	–
Engine type		Kubota V2403-CR, 4-cylinder, diesel engine.			Kubota V2403-CR, 4-cylinder, diesel engine.		
Power output	hp	50.2			50.2		
Fuel tank capacity	gal	19.3			19.3		
Infinitely variable speed	mph	0 - 6.8	0 - 6.8	0 - 6.8	0 - 6.8	0 - 6.8	0 - 6.8
Gradeability with/ without vibration	%	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40
Centrifugal force, front (I/II)	lbf	14,388 / 8,768	14,388 / 8,768	14,388 / 8,768	14,388 / 8,768	14,388 / 8,768	14,388 / 8,768
Centrifugal force, rear (I/II)	lbf	14,388 / 8,768	–	–	14,388 / 8,768	–	–
Oscillation force, rear (I/II)	lbf	–	–	16,186 / 9,666	–	–	16,186 / 9,666
Water tank capacity	gal	75.3	75.3	75.3	75.3	75.3	75.3

ZERO EMISSION

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Soil Compactors



Soil Compactors

	Unit	RC50	RC50p	RC70	RC70p	RC110	RC110p
Length x width x height	in	159.1 x 59.1 x 112.9	159.1 x 59.1 x 112.9	173.6 x 72.6 x 115.2	173.6 x 72.6 x 115.2	230.3 x 89.9 x 116.5	230.3 x 89.9 x 116.5
Drum width	in	53.9	53.9	66.1	66.1	84.25	84.25
Max. operating weight	lbs	12,588	12,191	16,711	15,256	29,304	28,908
Drum type		smooth	padfoot	smooth	padfoot	smooth	padfoot
Max. operating power	hp	73.2	73.2	73.2	73.2	113.9	113.9
Engine type		Kubota V3307-CR-T, 4-cylinder, diesel engine.	Kubota V3307-CR-T, 4-cylinder, diesel engine.	Kubota V3307-CR-T, 4-cylinder, diesel engine.	Kubota V3307-CR-T 4-cylinder, diesel engine.	Deutz TCD 3.6 L4, 4-cylinder, diesel engine.	Deutz TCD 3.6 L4, 4-cylinder, diesel engine.
Fuel tank capacity	gal	32	32	32	32	74	74
Speed working gear transport gear	mph	0 – 3.7 0 – 7.8	0 – 3.7 0 – 7.8	0 – 3.7 0 – 7.8	0 – 3.7 0 – 7.8	0 – 8.7 0 – 8.7	0 - 7.5 0 - 7.5
Turning radius inside	in	131.6	131.6	130.3	130.3	152.4	152.4
Gradeability with/ without vibrations	%	55 / 60	55 / 60	55 / 60	55 / 60	54 / 59	58 / 63
Centrifugal force, front (I/II)	lbf	15,510	15,510	28,100 / 21,360	28,100 / 21,360	55,350 / 30,600	55,350 / 30,600
Vibration frequency, front (I/II)	vpm	1,800	1,800	1,800 / 2,520	1,800	1,800 / 2,160	1,800 / 2,160

ZERO EMISSION

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Pumps



Single-phase Submersible Pumps

	Unit	PSR1500	PSG2500	PST2400 / PSTF2400	PST3750 / PSTF3750	PS2500	PSA2500
Discharge diameter	in	0.75	2	2	3	2	2
Length x width x height	in	7.7 x 7.7 x 12.4	8.3 x 8.3 x 11.2	10.1 x 7.3 x 13	12.5 x 7.3 x 15.3	7.3 x 7.3 x 12	8.7 x 7.3 x 12
Operating weight	lbs	26	23	25	42	21	22
Maximum head	ft	39.5	39.5	39.4	62	39.4	39.5
Max. discharge	gal/min	45	62.4	52.8	60	62.4	62.4
Continuous running water level	in	0.04	0.2	3.5	3.5	2	2
Max. pressure	psi	17.3	17.3	16.8	16.8	17	17
Solid size capacity	in	0.2	0.2	0.2	0.2	0.2	0.2
Motor type		Single-phase / 60Hz		Single-phase / 60 Hz			
Voltage	V	110	110	110	110/220	110/220	110
Current (full load/ Start @ 110V)	A	6.1 / 12.5	6.1 / 12.5	5.4 / 12.5	10 / 26	6.1 / 12.5	6.1 / 12.5
Current (full load/ Start @ 220V)	A	–	–	–	4.7 / 13	3.0 / 8.0	–
Speed	rpm	3,255	3,255	3,321	3,408	3,270	3,270
Power	hp	0.64	0.64	0.54	1	0.64	0.64
Cable length	ft	32	32	20	33	32	32
Cable size	awg	16	16	16	14	16	16
Impeller material		Urethane	Urethane	Urethane	Urethane	Urethane	Urethane
Impeller type		Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex

ZERO EMISSION

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Pumps



ZERO EMISSION

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COMPACTION

Single-phase Submersible Pumps

	Unit	PS2800	PSA2800	PS31500	PSW31500	PS32200
Discharge diameter	in	2	2	3	3	3
Length x width x height	in	7.6 x 7.4 x 13.4	7.6 x 8.8 x 13.4	9.5 x 9.5 x 22.5	7.4 x 7.4 x 23.4	9.5 x 9.5 x 22.5
Operating weight	lbs	29	30	63.5	72	64
Max. head	ft	59	59	69	69	85
Max. discharge	gal/min	82	82	111	111	130
Max. pressure	psi	17	17	30	30	37
Solid size capacity	in	0.236	0.236	0.3	0.24	0.3
Motor type		Single-phase / 60 Hz		Single-phase / 60 Hz		
Voltage	V	110, 220	220	110, 220	110, 220	220
Current (full load/ start @ 110V)	A	10.1 / 21.1	–	23 / 136	27 / 108	–
Current (full load/ start @ 220 V)	A	5.3 / 11.5	5.3 / 11.5	11.5 / 68	13.7 / 54	13 / 70
Speed	rpm	3,300	3,300	3,440	3,480	3,465
Power	hp	1	1	2	2	3
Cable length	ft	49	49	32	49	32
Cable size	awg	14	14	12 / 14	12	14
Impeller material		Urethane	Urethane	Ductile iron	High chrome, cast iron	Urethane
Impeller type		Semi-vortex	Semi-vortex	Semi-vortex	Semi-open	Semi-vortex

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Pumps



PDT2A / PDT3A



PG2A



PG3A

Diaphragm and Dewatering Pumps

	Unit	PDT2A	PDT3A	PG2A	PG3A
Suction & discharge diameter	in	2	3	2	3
Length x width x height	in	39.2 x 22.2 x 23.2	42 x 26.5 x 23.2	18.9 x 14.8 x 15.5	20.2 x 15.9 x 18.2
Operating weight	lbs	131	140	55	64
Max. head	ft	25	25	88	88
Max. discharge	gpm	50	88	169	290
Max. suction lift	ft	25	25	25	25
Solid size capacity	in	1.5	1.625	0.25	0.25
Engine type		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.	
Displacement	in³	7.2	7.2	7.2	9.9
Operating speed	rpm	2,800	2,800	3,600	3,600
Max. rated power at rated speed	hp rpm	3.5 @ 3,600	3.5 @ 3,600	3.5 @ 3,600	4.8 @ 3,600
Fuel consumption	qt/hr	1.2	1.2	1.4	1.9
Fuel capacity	qt	2.6	2.6	2.6	3.8

ZERO EMISSION

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Pumps



Trash Pumps

	Unit	PT2A	PT3A	PTS4V	PT6V
Suction & discharge diameter	in	2	3	4	6
Length x width x height	in	21.7 x 18.3 x 19.7	26.5 x 20 x 22.5	45.3 x 29.5 x 70.9	84.8 x 58.7 x 67.5
Operating weight	lbs	94.8	147.7	330.7	1,918
Max. head	ft	105	96.8	105	88.6
Max. discharge	gpm	140.3	326	689.2	1,137
Max. suction lift	ft	24.6	24.6	24.9	24.6
Solid size capacity	in	1	1.5	2	2
Engine		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Vanguard, air-cooled, 4-cycle, 2 cylinder, gasoline engine.	Yanmar, liquid-cooled, 3-cylinder, diesel engine.
Displacement	in³	9.9	16.5	29.2	77.3
Max. rated power at rated speed	hp rpm	4.8 @ 3,600	7.9 @ 3,825	16 @ 3,600	24.7 @ 2,700
Fuel capacity	gal	0.82	1.4	4.6	23.8
Max. fuel consumption	gal/hr	0.5	0.6	1.4	1.3

ZERO EMISSION

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Generators



Portable Generators

	Unit	GP2500A	GP4000A includes wheel kit	GP5500A includes wheel kit	GP7000A Includes wheel kit	GPS9700A Includes wheel kit
Length x width x height with wheel kit	in	18 x 24 x 19	21 x 27.5 x 24	21 x 27.5 x 24	21 x 27.5 x 24	36.4 x 26.2 x 25 51.7 x 33.5 x 30.3
Operating weight	lbs	99	166	174	174	418
Maximum output	W	2,500	4,000	5,500	7,200	9,700
Continuous output	W	2,250	3,800	5,000	6,800	9,000
Continuous AC amps	A	19 / 9	32 / 16	42 / 21	57 / 28	75.0 / 37.5
AC voltage	V	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240
AC circuit breaker amps	A	20 / 1 pole	18 / 1 pole	22 / 1 pole	30 / 1 pole	39 / 2 pole
Frequency	Hz	60	60	60	60	60
Phase	Ø	1	1	1	1	1
Power factor	Pf	1	1	1	1	1
Engine type		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Honda air-cooled, 4-cycle, 2-cylinder, gasoline engine.
Starting system		recoil	recoil	recoil	recoil	electric start***
Displacement	in³	9.9	16.5	23.7	23.7	42
Operating speed	rpm	3,600	3,600	3,600	3,600	3,600
Max. rated power at rated speed	hp rpm	4.8 @ 3,600	6.8 @ 3,600	9.4 @ 3,600	9.4 @ 3,600	20.8 @ 3,600
Fuel tank capacity	gal	3.9	7.9	7.9	7.9	9.8
Running time / full load	hrs	10	12.5	8.5	8.5	6.5
AC outlet receptacles Duplex		(2) 125V, 20A GFCI Duplex 5-20R	(2) 125V, 20A GFCI Duplex 5-20R (1) 125/250V, 30A Twist Lock L14-30R (1) 125V, 30A Twist Lock L5-30R			2-125V,20A Duplex
Twist Lock			(1) 125/250V, 30A Twist Lock L14-30R (1) 125V, 30A Twist Lock L5-30R			(1) 120V,30A Twist Lock L5-30R (1) 240V,20A Twist Lock L6-20R (1) 120/240V,30A Twist Lock L14-30R
CSA certified		yes	yes	yes	yes	yes

ZERO EMISSION

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Generators



Mobile Generators

	Unit	G14	G25	G35	G50	G70
Length x width x height skid	in	74.8 x 37.2 x 48.5	75 x 37 x 48.5	75 x 37 x 48.5	81.6 x 37.8 x 50.6	96.5 x 38 x 63.2
Operating weight	lbs	1,760	2,222	2,259	2,705	4,510
Length x width x height with trailer	in	131.8 x 58.3 x 68.8	131.8 x 58.3 x 68.8	131.8 x 58.3 x 68.8	138.8 x 58.3 x 71	160 x 67.5 x 85
Operating weight	lbs	2,180	2,576	2,613	3,090	5,390
Prime output	kW / kVA	13.5 / 13.5	20 / 25	28 / 35	38 / 48	58 / 72
Standby output	kW / kVA	15 / 15	22 / 27	31 / 39	42 / 52	63 / 79
AC voltage single phase three phase	1Ø 3Ø	120, 240	120, 127, 139, 240, 254, 277V adjustable 208, 220, 240, 416, 440, 480V reconnectable*			
Frequency	Hz	60	60	60	60	60
Power factor	1Ø / 3Ø	1.0	1.0 / 0.8	1.0 / 0.8	1.0 / 0.8	1.0 / 0.8
Voltage regulation no load to full load steady state	%	±1 ±0.29	±1 ±0.2	±1 ±0.2	±1 ±0.2	±1 ±0.2
Sound level at max. load	dB(A)	63 @ 23 ft	63 @ 23 ft	63 @ 23 ft	63 @ 23 ft	68.0 @ 23
Engine type		Kohler KSD1403NA	Kohler KDI1903	Kohler KDI1903	Kohler KDI2504	Kohler KDI3404
Rated standby power	hp rpm	25.7 @ 1,800	40 @ 1,800	66 @ 1,800	66 @ 1,800	109 @ 1,800
Fuel tank capacity	gal	63	63	63	88	112
Fuel consumption @ prime	gal/h	1.2	1.8	2.4	3.3	4.2
Trailer hitch type		2-inch Ball	2-inch Ball	2-inch Pintle	3-inch Pintle	3-inch Pintle
AC Receptacles 20A GFCI Duplex 5-20R 50A Twist Lock CS6369		2 2	2 2	2 3	2 3	2 3
DEF capacity	gal	-	-	-	-	5.1
DEF consumption	gal/h	-	-	-	-	0.07
CSA certified		yes	yes	yes	yes	yes

* 600V available in Canada.

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Generators



Mobile Generators

	Unit	G100	G130	G150
Length x width x height	in	110 x 45 x 66.3	110.0 x 45 x 66.3	110 x 45 x 66.3
Operating weight skid	lbs	6,241	6,386	6,400
Length x width x height with trailer	in	176 x 80 x 91.8	176.0 x 80.0 x 91.8	176 x 80 x 91.8
Operating weight	lbs	7,611	7,756	7,770
Prime output	kW / kVA	80 / 100	104 / 130	121 / 151
Standby output	kW / kVA	88 / 110	114 / 143	130 / 163
AC voltage single phase three phase	1Ø / 3Ø	120, 127, 139, 240, 254, 277V adjustable 208, 220, 240, 416, 440, 480V reconnectable*		120, 127, 139, 240, 254, 277V adjustable 208, 220, 240, 416, 440, 480V reconnectable*
Frequency	Hz	60	60	60
Power factor	1Ø / 3Ø	1.0 / 0.8	1.0 / 0.8	1.0 / 0.8
Voltage regulation no load to full load steady state	%	±1 ±0.2	±1 ±0.2	±1 ±0.2
Sound level at max. prime load	dB(A)	69.4 @ 23 ft	69.6 @ 23 ft	73 @ 23 ft
Engine type		Cummins QSB5-G11		Cummins QSB5-G12
Rated standby power	hp rpm	169 @ 1,800	169 @ 1,800	206 @ 1,800
Fuel tank capacity	gal	187.6	187.6	187.6
Fuel consumption @ max. prime load	gal/h	5.8	7.1	8.5
Trailer hitch type		3-inch Pintle	3-inch Pintle	3-inch Pintle
AC Receptacles 20A GFCI Duplex 5-20R 50A Twist Lock CS6369		2 3	2 3	2 3
DEF capacity	gal	8.7	8.7	8.7
DEF consumption max. prime	gal/h	0.26	0.32	0.38
CSA certified		yes	yes	yes

* 600V available in Canada.

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS



Compact Vertical Mast Light Towers

Vertical Mast Light Tower and Generator

	Unit	LTT4 LED	LTT6 LED	LTG14 LED
Length x width x height*	in	101 x 47.5 x 100	101 x 47.5 x 100	141.7 x 76.4 x 101.1
Operating weight	lb	1,500	1,550	2,760
Maximum tower height	ft	23	23	23
Sound level at 23 feet	dB(A)	70.2	71.3	63
Output	kW	4	6	13.5
AC voltage	V	120/240	120/240	120/240
Frequency	Hz	60	60	60
Power factor	pf	1.0	1.0	1.0
Voltage regulation steady no load to full load	%	±6	±6	±1.0
Lamp type	W	4 x 320 LED	4 x 320 LED	4 x 320 LED
Max coverage @ .5ft-C (5.4 lux)	ft²	32,600	32,600	32,600
Total luminous flux	lm	192,000	192,000	192,000
Diffused light option		yes	yes	yes
Generator	type	Brushless**	Brushless**	Brushless**
Engine type		Kohler, KDW702	Kohler, KDW1003	Kohler, KSD1403NA
Max. rated power at rated speed	hp rpm	8 @ 1,800	12.2 @ 1,800	25.7 @ 1,800
Oil change service interval	hr	1,000	1,000	500
Fuel tank capacity	gal	52.4	52.4	59
Fuel consumption prime	gal/h	0.46	0.71	1.09
Run time lights	hours	211	173.4	359.5
AC receptacles 120V - 20A Duplex GFCI 5-20R 120V/240V - 30A Twist Lock L14-30R		1 Optional	1 Optional	(2) 120V - 20A Duplex GFCI 5-20R (1) 120V/240V - 30A Twist Lock (1) 120V/240V - 50A Twist Lock
CSA certified		yes	yes	yes

* Mast in transport position. ** With capacitor excitation.

ZERO EMISSION

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Heaters



Hydronic Surface Heaters

	Unit	E1250	E3000
Length x width x height	in	140 x 76 x 72	181 x 91 x 94
Approximate weight	lbs	3,775	7,815** / 9,290
Fuel capacity	gal	68	222
Heat transfer fluid	gal	54	115
Heater input (gross)	Btu/h	140,000*	385,000
Heater output (net)	Btu/h	121,800	319,500
Heater efficiency	%	87	83
Temperature controller		digital	digital
Generator**		Kubota	Kohler
Fuel consumption at full load			
Burner	gph	1.0	2.75
Generator	gph	0.52 (3 kW)	0.7 (6 kW)
Run time @75% duty cycle	h	up to 90**	up to 108**
Electrical requirement*		120V AC, 1 x 15 amps, 60 Hz	120V AC, 2 x 20 amps, 60 Hz
Normal operating temperature	°F	100 - 200	100 - 180
Normal hose operating pressure	psi	70 - 110	90 - 110
HTF flow rate per loop	gph	265	265
Thawing capacity	ft²	up to 1,250	up to 3,000
Curing capacity	ft²	up to 2,500	up to 6,000
Frost prevention	ft²	up to 3,750*	up to 9,000

* When not using on-board generator. ** With generator.

ZERO EMISSION

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Heaters



Indirect Fired Air Heaters

	Unit	HI1000G with Skid	HI1000D Skid with tank	HI1000DGM with tank and generator	HI770XHD
Length x width x height	in	119.5 x 46.7 x 67.2	119.5 x 46.7 x 82.2	197.2 x 61 x 100.7	187 x 94 x 88
Operating weight	lbs	2,180	3,795	5,450	5,700 / 7,543*
Fuel capacity	gal	External supply	190	190	256
Electrical req. burner machine	1ø	230V / 30A	230V / 30A	–	8
Engine		–	–	Kubota D1005 (genset)	Kubota D1105
Air outlets	in	4 x 12 2 x 16 2 x 20	4 x 12 2 x 16 2 x 20	4 x 12 2 x 16 2 x 20	1 x 20 1 x 16
Air returns	in	2 x 20	2 x 20	2 x 20	2 x 12
HEATER					
Sizing - air heat	ft³	1,000,000	1,000,000	1,000,000	962,500
Heater input (gross)	Btu/h	850,000	890,000	890,000	770,000
Heater output (net)	Btu/h	675,000	690,685	690,685	577,500
Heater efficiency	%	83	83	83	75
Air temperature rise	°F	134	134	134	240
Fuel consumption at full load					
Burner	diesel	gph	6.2	6.2	5.5
	NG	cfh	–	850	–
	LP	gph	–	6.2	–
Genset (full Load)		gph	–	0.63	0.9
BLOWER					
Type		5 hp, backward inclined	5 hp, backward inclined	5 hp, backward inclined	3 hp, centrifugal
Air volume	cfm	7,500	7,500	7,500	4,000
Static pressure	in. wc	6.5	6.5	6.5	4.0

* With fuel .

Dumpers



Track Dumpers

	Unit	DT08 Gasoline, front tip	DT10 Diesel, Front tip with self-loading shovel	DT10 Diesel, Swivel tip	DT10 Diesel, Front tip platform	DT12 Gasoline Swivel or front tip	DT15 Diesel, 3-way side-tipping platform	DT15 Diesel, swivel tip
Engine model/ make		Honda GX270	Kubota Z482-EF02	Kubota Z482-EF02	Kubota Z482-EF02	Vanguard	Kubota D902-EF03	Kubota D902-EF03
Performance	hp	9.1	13	13	13	23	20	20
Travel Speed	mph	2.5	2.5	2.5	2.5	5.6	2.5	2.5
Ground pressure - empty	psi	2.3	2.6	2.6	2.6	2.6	4.0	4.0
Ground pressure - loaded	psi	4.8	7.4	7.4	7.4	7.4	7.3	7.3
Shipping weight	lbs	1,301	1,532	1,708	1,301	1,345 - 1,650	2,799	2,932
Max. machine payload	lbs	1,764	2,645	2,645	2,645	2,646	3,307	3,307
Skip capacity - heaped	cu ft³	13.7	15.8	16.2	10.6	17.8	24.4	26.8
Skip capacity - leveled	cu ft³	11.8	13.9	15.2	7.4	15.2	18.7	19.4
Skip capacity - water	gal	43.9	45.7	63.4	—	110.4	137.4	108.3
Length	in	65.3	71.8	71.8	74.1	81.3	104	105.3
Undercarriage width	in	31.1	31.1	31.1	31.1	31.1	42.5	42.5
Width of skip	in	27.5	27.5	28.7	31.7	32.5	40.2	43.3
Skip length	in	51.9	53.4	56.1	47.2	62.3	60.9	60.5
Max. height, skip raised	in	72.6	76.7	83.1	56.3	70.7	80.3	93.7
Skip type		Front tip	Front tip with self-loading shovel	Swivel tip	Front tip platform	Swivel or Front Tip	3-way side-tipping platform	Swivel tip

ZERO EMISSION

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Dumpers



DW30



DW50

Wheel Dumpers

	Unit	DW30	DW30 Concrete edition	DW50
Max. operating power at operating speed	hp rpm	45.3 @ 2,200	45.3 @ 2,200	59.7 @ 2,300
Engine type		Perkins 403J-E17T, liquid-cooled, 3-cylinder turbo diesel engine.		Deutz TD 2.2, liquid-cooled, 3-cylinder turbo diesel engine.
Fuel tank capacity	gal	11.9	11.9	15.9
Travel speed	mph	0-15.5	0-15.5	0-15.5
Standard tires		11.50/80 x 15.3, Mitas tractor tread		12.5-18/16, Mitas universal tread
Final drive		Hydrostatic transmission, permanent 4-wheel drive, electronic driving direction switch.		Hydrostatic transmission, permanent 4-wheel drive, electronic driving direction switch.
Working brake		Hydrostatic / Wet multidisk		Hydrostatic / Wet multidisk
Pump capacity Operating / Drive	gal/min	8.2 / 26.2	8.2 / 26.2	14 / 32.5
Operating pressure Operating / Drive	psi	2,901 / 6,498	2,901 / 6,498	3,191 / 7,252
Hydraulic tank capacity	gal	11.1	11.1	10.6
Height ROPS/CAB	in	112.6 / 105.1	112.6 / –	110.8 / –
Width	in	70.1	70.1	75.8
Length	in	166.3	199.3	177.0
Max safe payload	lb	6,614	6,614	11,023
Skip capacity	leveled	yd ³	1.67	2.62
	heaped	yd ³	2.29	3.47
	water	gal	262	349
Transport weight ROPS / CAB	lbs	5,545 / 5,895	5,675 / –	7,580 / –

ZERO EMISSION

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Dumpers



Dual View Dumpers

Unit		DV60	DV90	DV100
Max. operating power at operating speed	hp rpm	74.2 @ 2,200	74.2 @ 2,200	74.2 @ 2,200
Engine type		Deutz TD2.9 L4, liquid-cooled, 4-cylinder, diesel engine.		Deutz TD2.9 L4, liquid-cooled, 4-cylinder, diesel engine.
Fuel tank capacity	gal	21.1	21.1	21.1
Travel speed	mph	0-18.6	0-18.6	0-18.6
Standard tires		405/10-20 (Mitas, MPT-01)		500/60-22.5 (Alliance, flotation 331)
Turning radius outside	in	240.6	260.6	259.8
Final drive		Hydrostatic transmission, permanent 4-wheel drive, electronic driving direction switch.		Hydrostatic transmission, permanent 4-wheel drive, electronic driving direction switch.
Working brake		Hydrostatic / Wet multidisk		Hydrostatic / Wet multidisk
Pump capacity Operating / Drive	psi	19.4 / 32.6	19.4 / 32.6	19.4 / 32.6
Operating pressure Operating / Drive	gal	3,481 / 7,252	3,481 / 7,252	3,481 / 7,252
Hydraulic tank capacity	gal	15.9	15.9	15.9
Height ROPS/CAB	in	135.2 / 115.2	- / 119.3	- / 119.3
Width	in	87.3	96.6	98.6
Max safe payload	lb	13,228	19,841	22,046
Skip capacity	leveled	yd ³	4.3	5.4
	heaped	yd ³	5.7	6.5
	water	gal	542	674
Transport weight ROPS / CAB	lbs	8,715 / 9,469	- / 10,814	- / 10,869

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Excavators



Dualpower Tracked Excavator

	Unit	803 dualpower	HPUB
Max. operating power at operating speed	hp/rpm	15.4 @ 2,500	10.0
Engine type		Yanmar 3TNV74F, liquid-cooled, 3-cylinder, turbo diesel engine.	400 Volt, 3-phase, electric motor
Fuel tank capacity	gal	1.8	–
Travel speed	mph	0 – 1.1	–
Track width	in	7.1	
Track rollers per side		2	
Ground clearance	in	5.1	–
Ground pressure	psi	3.4	–
Max. arm force	lbf	1,014	–
Max. bucket digging force	lbf	2,021	–
Pump capacity	gal/min	2 x 2.8	5.3
Operating pressure for working hydraulics	psi	2,466	3,046
Operating pressure for swing gear	psi	1,015	-
Hydraulic tank capacity	gal	3.7	2.5
Height (ROPS in up position)	in	89	39.4
Width (track in / out)	in	27.6 / 33.5	28.3
Transport length (boom down)	in	108.1	36.6
Max. digging depth	in	69.5	–
Max. dumping height	in	79.2	–
Digging radius	in	121.7	–
Transport weight / Operating weight	lbs	2,182 / 2,396	423
Hydraulic hose length	ft	–	39.4



Tracked Excavator

	Unit	803
Max. operating power at operating speed	hp/rpm	15.4 @ 2,500
Engine type		Yanmar 3TNV74F, liquid-cooled, 3-cylinder, turbo diesel engine.
Fuel tank capacity	gal	1.8
Travel speed	mph	0 – 1.1
Track width	in	7.1
Track rollers per side		2
Ground clearance	in	5.1
Ground pressure	psi	3.4
Max. arm force	lbf	1,014
Max. bucket digging force	lbf	2,021
Pump capacity	gal/min	2 x 2.8
Operating pressure for working hydraulics	psi	2,466
Operating pressure for swing gear	psi	1,015
Hydraulic tank capacity	gal	3.7
Height (ROPS in up position)	in	89
Width (track in / out)	in	27.6 / 33.5
Transport length (boom down)	in	108.1
Max. digging depth	in	69.5
Max. dumping height	in	79.2
Digging radius	in	121.7
Transport weight / Operating weight	lbs	2,182 / 2,396
Hydraulic hose length	ft	–

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

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LOADERS

Excavators



Tracked Excavators

	Unit	EZ17	ET20
Max. operating power at operating speed	hp/rpm	17.2 @ 2,200	17.2 @ 2,200
Engine type		Yanmar 3TNV80F, liquid-cooled, 3-cylinder, diesel engine.	Yanmar 3TNV80F, liquid-cooled, 3-cylinder, diesel engine.
Fuel tank capacity	gal	5.8	6.3
Travel speed	mph	0 – 3.0	0 – 2.5
Track width	in	9.1	9.8
Track rollers per side		3	4
Ground clearance	in	6.1	6.7
Ground pressure	psi	4.0	4.0
Max. arm force (short dipper)	lbf	2,046	2,810
Max. bucket digging force	lbf	4,609	4,226
Pump capacity	gal/min	10.5	12.7
Operating pressure for working hydraulics	psi	3,481	2,901
Operating pressure for swing gear	psi	3,481	2,176
Hydraulic tank capacity	gal	3.9	5
Height	in	93	90.4
Width (track in / out)	in	39.0 / 51.2	39.0 / 51.2
Transport length / long dipperstick	in	141.1 / 139.8	159.4 / –
Max. digging depth / long dipperstick	in	91.7 / 98.0	98.0 / 105.9
Max. dumping height / long dipperstick	in	96.1 / 100.4	107.1 / 111.8
Digging radius / long dipperstick	in	153.5 / 159.4	158.7 / 166.5
Transport weight canopy / cab	lbs	3,637 / -	4,105 / 4,341

EZ = Minimal tail swing. ET = Conventional tail swing.

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Excavators

EZ26



EZ36



Tracked Excavators

	Unit	EZ26	EZ36
Max. operating power at operating speed	hp/rpm	19.6 @ 2,350	24.4 @ 2,400
Engine type		Yanmar 3TNV80F, liquid-cooled, 3-cylinder, diesel engine.	Yanmar 3TNV88F, liquid-cooled, 3-cylinder, diesel engine.
Fuel tank capacity	gal	11.6	11.6
Travel speed	mph	0 – 2.7	0 – 3
Track width	in	9.8	11.8
Track rollers per side		3	4
Ground clearance	in	10.2	10.0
Ground pressure	psi	4.3	5.8
Max. arm force	lbf	3,440	4,743
Max. bucket digging force	lbf	5,081	7,868
Pump capacity	gal/min	17.4	30.8
Operating pressure for working hydraulics	psi	3,481	3,481
Operating pressure for swing gear	psi	2,843	2,828
Hydraulic tank capacity	gal	5.1	16.3
		NON VDS	
Height	in	95	101.3
Width	in	59	68.9
Transport length / long dipperstick	in	165.3 / 165.8	216.1 / 216.9
Max. digging depth / long dipperstick	in	102.5 / 110.4	124.9 / 134.7
Max. dumping height / long dipperstick	in	108.8 / 113.9	134.3 / 140.3
Digging radius / long dipperstick	in	182 / 189.5	216.8 / 226.1
Transport weight* canopy / cab	lbs	5,017 / 5,732	8,725 / 8,876

* Long shovel arm (option). EZ = Minimal tail swing. ET = Conventional tail swing.

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Excavators



Tracked Excavators

	Unit	ET42	EZ50	ET58
Max. operating power at operating speed	hp/rpm	43.6 @ 2,000	43.6 @ 2,000	44.8 @ 2,100
Engine type		Perkins 403J-E17T, liquid-cooled, 3-cylinder, turbo diesel engine.	Perkins 403J-E17T, liquid-cooled, 3-cylinder, turbo diesel engine.	Perkins 403J-E17T, liquid-cooled, 3-cylinder, turbo diesel engine.
Fuel tank capacity	gal	21.2	21.2	21.2
Travel speed	mph	0 – 3	0 – 3	0 – 2.7
Track width	in	13.8	15.7	15.7
Track rollers per side		4	5	5
Ground clearance	in	11.8	13	13
Ground pressure	psi	4.3	4.3	4.3
Max. arm force	lbf	4,721	5,575	6,295
Max. bucket digging force	lbf	6,722	7,014	6,474
Pump capacity	gal/min	23.8	33.3	34.9
Operating pressure for working hydraulics	psi	3,553	3,553	3,844
Operating pressure for swing gear	psi	2,988	3,031	3,031
Hydraulic tank capacity	gal	13.2	13.2	13.2
Height	in	98.2	100.6	100.6
Width	in	68.9	77.2	77.2
Transport length / long dipperstick	in	202.6 / 202.8	215.2 / 215.8	214.4 / 214.8
Max. digging depth / long dipperstick	in	131.7 / 139.5	136.5 / 144.4	148.3 / 158.1
Max. dumping height / long dipperstick	in	140.7 / 145.8	143.9 / 149	150.9 / 157.3
Digging radius / long dipperstick	in	216.1 / 223.5	232.9 / 240.4	237.8 / 247.1
Transport weight* canopy / cab	lbs	9,064 / 9,345	10,827 / 11,109	11,281 / 11,562

* Long shovel arm (option). EZ = Minimal tail swing. ET = Conventional tail swing.

ZERO EMISSION

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UTILITY

DUMPERS

EXCAVATORS

LOADERS

Excavators



Tracked Excavators

	Unit	ET65	ET90	ET145
Max. operating power at operating speed	hp/rpm	56.4 @ 2,000	69.2 @ 1,825	73.8 @ 2,200
Engine type		Perkins 404J-E22T, liquid-cooled, 4-cylinder, turbo diesel engine.	Perkins 904J-E28T, liquid-cooled, 4-cylinder, turbo diesel engine.	Perkins 854F-E34T liquid-cooled, 4-cylinder, turbo diesel engine.
Fuel tank capacity	gal	22.5	22.5	54.2
Travel speed	mph	0 – 3.2	0 – 3.1	0 – 3.1
Track width	in	15.7	17.7	19.7
Track rollers per side		5	5	7
Ground clearance	in	11.2	14.6	18.9
Ground pressure	psi	5	5.7	7.11
Max. arm force	lbf	6,924	10,341	15,512
Max. bucket digging force	lbf	11,398	16,591	20,458
Pump capacity	gal/min	38	46.4	77.1
Operating pressure for working hydraulics	psi	3,481	4,351	4,931
Operating pressure for swing gear	psi	3,118	3,481	4,641
Hydraulic tank capacity	gal	24.3	24.3	29.1
Height	in	97.6	100.9	109.8
Width	in	76.8	88.6	98.0
Transport length / long dipperstick	in	241.3 / 241.6	280.2 / 281.1	303.9 / 306.7
Max. digging depth / long dipperstick	in	150.6 / 162.4	170.3 / 182.1	196.9 / 216.5
Max. dumping height / long dipperstick	in	154.0 / 161.2	199.4 / 207.6	224.4 / 236.2
Digging radius / long dipperstick	in	244.9 / 256.1	288.6 / 300.0	326.8 / 346.5
Transport weight	lbs	14,055	19,477	33,489

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Excavators



Wheeled Excavators

	Unit	EW65	EW100
Max. operating power at operating speed	hp/rpm	56.4 @ 2,000	74 or 136 @ 2,200
Engine type		Perkins 404J-E22T, liquid-cooled, 4-cylinder, turbo diesel engine.	Perkins 904J-E28TA or 9045-E36TA, liquid-cooled, 4-cylinder, turbo diesel engine.
Fuel tank capacity	gal	22.5	50.2
Travel speed	mph	0 – 18.6	0 - 18.6 / 0 - 24.8
Standard tires		7.5-15 14 PR Twin Tires	8.25-20 14 PR Twin Tires
Drive		Hydrostatic All-Wheel Drive	Hydrostatic All-Wheel Drive
Ground clearance	in	9.3	11.5
Max. arm force	lbf	6,924	9,892
Max. bucket digging force	lbf	11,398	16,478
Pump capacity	gal/min	38	47.6
Operating pressure for working hydraulics	psi	3,481	4,351 / 6,187
Operating pressure for driving hydraulics	psi	6,526	6,380
Hydraulic tank capacity	gal	24.3	35.9
Height	in	109.3	116.7
Width	in	82.1	96.5
Transport length / long dipperstick	in	244.9 / 250	- / 264.1
Max. digging depth / long dipperstick	in	141.6 / 153.3	- / 195.6
Max. dumping height / ong dipperstick	in	195.3 / 204.5	- / 246.5
Digging radius / long dipperstick	in	259.4 / 270.7	- / 303.7
Transport weight	lbs	16,928	22,752 / 25,463

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

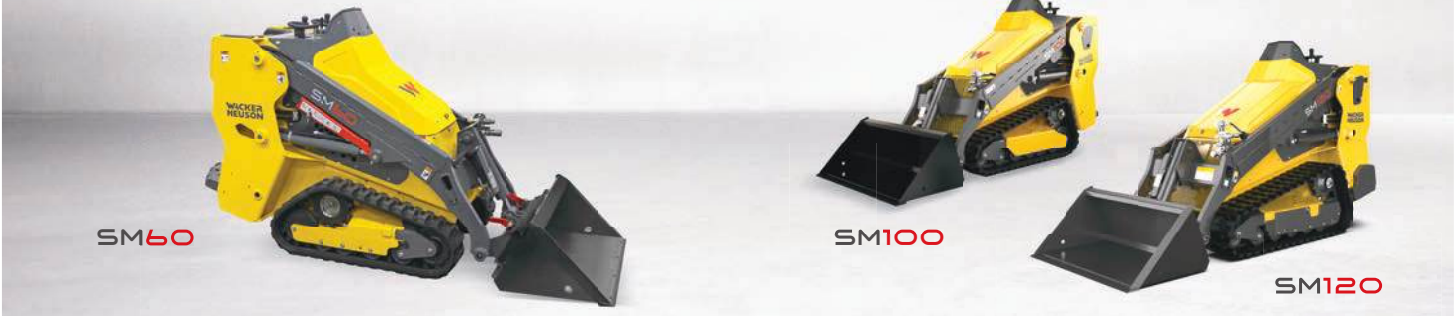
UTILITY

DUMPERS

EXCAVATORS

LOADERS

Utility Track Loaders



Utility Track Loaders

	Unit	SM60	SM100	SM120
Max. operating power at operating speed	hp rpm	26.5 @ 2,600	24.7 @ 2,600	24.7 @ 2,600
Engine type		Kohler ECH749, air-cooled, 2-cylinder, gasoline engine.	Yanmar 3TNV80FT, liquid-cooled, 4-cycle, 3-cylinder, turbocharged diesel engine.	Yanmar 3TNV80FT, liquid-cooled, 4-cycle, 3-cylinder, turbocharged diesel engine.
Rated Operating Capacity (ROC)	lbs	600 @ 35%	1,000 @ 35%	1,226 @ 35%
Tipping load	lbs	1,720	2,855	3,504
Fuel tank capacity	gal	14	14.1	14.1
Hydraulic tank capacity	gal	1.3	1.3	1.3
Max travel speed, single / two-speed	mph	3.9	5.2	5.2
Aux. hydraulic flow rate - low / high	gpm	12.4	13	13
Aux. hydraulic pressure	psi	3,045	3,045	3,045
Overall length w/std. bucket / w/o bucket	in	98.5 / 75.3	108 / 84.3	108.3 / 84.7
Overall width	in	35.5	35.5	41
Overall height	in	54.8	58.2	58.2
Track width	in	7	9	11
Hinge pin height	in	75.6	85.6	85.6
Ground clearance	in	6.8	7.8	7.8
Dump angle at max. height	deg	37.3	38.2	38.2
Reach at max. height	in	27	23.8	23.6
Breakout force - bucket	lbf	2,498	3,110	3,235
Angle of departure	deg	23.7	25.6	25.6
Operating weight	lbs	2,760	3,300	3,754

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Skid Steer Loaders



Skid Steer Loaders

	Unit	SW20	SW21
Max. operating power at operating speed	hp rpm	56 @ 2,750	74 @ 2,750
Engine type		Kohler KDI 1903 with DOC, liquid-cooled, 3-cylinder, turbo diesel engine.	Kohler KDI 2504 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.
Rated Operating Capacity (ROC) @ 50%	lbs	2,000	2,100
Tipping load	lbs	4,000	4,200
Fuel tank capacity	gal	30.1	30.1
Hydraulic tank capacity	gal	2.9	2.9
Max travel speed, single / two-speed	mph	7.2 / 11.6	7.2 / 11.6
Aux. hydraulic flow rate - low / high	gpm	20 / -	20 / 30
Aux. hydraulic pressure	psi	3,500	3,500
Overall length w/std. bucket / w/o bucket	in	134.9 / 106.6	134.9 / 106.6
Overall width	in	65.9	65.9
Overall height	in	81.5	81.5
Hinge pin height	in	124.0	124.0
Ground clearance	in	7.6	7.6
Dump angle at max. height	deg	42	42
Reach at max. height	in	37.9	37.9
Breakout force - bucket	lbf	5,300	5,300
Angle of departure	deg	24	24
Operating weight	lbs	6,437	6,512
Standard tires		10 x 16.5	10 x 16.5

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Skid Steer Loaders



Skid Steer Loaders

	Unit	SW28	SW32
Max. operating power at operating speed	hp rpm	74 @ 2,500	100 @ 2,500
Engine type		Kohler KDI 3404 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.	Kohler KDI 3404TCR-SCR, liquid-cooled, 4-cylinder, turbo diesel engine.
Rated Operating Capacity (ROC) @ 50%	lbs	2,800	3,200
Tipping load	lbs	5,600	6,400
Fuel tank capacity	gal	40	40
Hydraulic tank capacity	gal	3.4	3.4
Max travel speed, single / two-speed	mph	7.2 / 11.9	7.2 / 11.9
Aux. hydraulic flow rate - low / high	gpm	22.1 / 31.7	22.1 / 31.7
Aux. hydraulic pressure	psi	3,500	3,500 (HF-3,500/4,000 switchable)
Overall length w/std. bucket / w/o bucket	in	145.4 / 117.5	145.4 / 117.5
Overall width	in	71.9	71.9
Overall height	in	83.2	83.2
Hinge pin height	in	134.8	134.8
Ground clearance	in	9	9
Dump angle at max. height	deg	44	44
Reach at max. height	in	37.4	37.4
Breakout force - bucket	lbf	6,950	9,461
Angle of departure	deg	23	23
Operating weight	lbs	8,175	8,629
Standard tires		12 x 16.5	12 x 16.5

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Compact Track Loaders

ST27



ST31



ST37



Compact Track Loaders

	Unit	ST27	ST31	ST37
Max. operating power at operating speed	hp rpm	74 @ 2,750	74 @ 2,750	74 @ 2,750
Engine type		Kohler KDI 2504 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.	Kohler KDI 2504 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.	Kohler KDI 2504 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.
Rated Operating Capacity (ROC) @ 50% / 35%	lbs	2,700 / 1,890	3,100 / 2,170	3,700 / 2,590
Tipping load	lbs	5,400	6,200	7,400
Fuel tank capacity	gal	27.3	30.1	35
Hydraulic tank capacity	gal	2.6	2.6	2.6
Max travel speed, single / two-speed	mph	6.4 / 9.1	6.5 / 9.7	5.8 / 8.7
Aux. hydraulic flow rate - low / high	gpm	19.4 / 29	20 / 30	23 / 33
Aux. hydraulic pressure	psi	3,481	3,481	3,481
Overall length w/std. bucket / w/o bucket	in	132.4 / 102.5	136.6 / 106.6	136.6 / 106.6
Overall width	in	60	64.0	72.0
Overall height	in	79.8	82.6	82.8
Hinge pin height	in	120	128.5	128.5
Ground clearance	in	8.5	9.1	9.1
Dump angle at max. height	deg	37	40	40
Reach at max. height	in	39.2	38	38
Breakout force - bucket	lbf	5,404	5,611	7,042
Angle of departure	deg	29.9	33	33
Operating weight	lbs	7,350	8,241	9,014
Track width / length on ground	in	12.6 / 53.2	12.6 / 56.7	17.7 / 58.9
Ground pressure	psi	5.5	5.7	4.3

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Compact Track Loaders



Compact Track Loaders

	Unit	ST45	ST50
Max. operating power at operating speed	hp rpm	74 @ 2,500	100 @ 2,500
Engine type		Kohler KDI 3404 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.	Kohler KDI 3404TCR-SCR, liquid-cooled, 4-cylinder, turbo diesel engine.
Rated Operating Capacity (ROC) 50% / 35%	lbs	4,500 / 3,150	5,000 / 3,500
Tipping load	lbs	9,000	10,000
Fuel tank capacity	gal	50	50
Hydraulic tank capacity	gal	3.4	3.4
Max travel speed, single / two-speed	mph	6.4 / 9.6	6.2 / 9.9
Aux. hydraulic flow rate - low / high	gpm	22.1 / 31.7	25.1 / 37.4
Aux. hydraulic pressure	psi	3,500	3,500 (HF-3,500/4,000 switchable)
Overall length w/std. bucket / w/o bucket	in	145.4 / 117.5	145.4 / 117.5
Overall width	in	78.0	78.0
Overall height	in	83.2	84.7
Hinge pin height	in	134.8	136.3
Ground clearance	in	9	10.5
Dump angle at max. height	deg	44	44
Reach at max. height	in	38.2	36.6
Breakout force - bucket	lbf	6,941	9,461
Angle of departure	deg	27	31
Operating weight	lbs	10,267	10,677
Track width/length on ground	in	17.7 / 63.0	17.7 / 65.6
Ground pressure	psi	4.6	4.6

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Wheel Loaders



Articulated Wheel Loaders

Unit		WL28		WL34		WL38	
Max. operating power at operating speed	hp rpm	44.7 / 53.8 @ 2,600		60.3 @ 2,300		74.3 @ 2,300	
Engine type		Yanmar 3TNV86CHT, Yanmar 3TNV86CHT-HP liquid cooled, 3 cylinder, turbo diesel engine.		Deutz TD 2.9 L4 S5, liquid cooled, 4 cylinder, turbo diesel engine.		Deutz TCD 2.9 L4, liquid cooled, 4 cylinder, turbo diesel engine.	
		P Kinematics		PZ Kinematics			
Tipping load (bucket / fork) - straight - articulated	lbs	4,145 / 3,439 3,395 / 2,866	3,638 / 3,417 3,109 / 2,932	6,449 / 5,765 5,386 / 4,850		8,199 / 6,989 6,863 / 5,869	
Rated Operating Capacity (bucket) - straight (50%) - articulated (50%)	lbs	2,073 1,698	1,819 1,555	3,225 2,693		4,100 3,432	
Rated operating capacity (fork) - fully articulated hard surface (80%) - fully articulated rough terrain (60%)	lbs	2,293 1,720	2,337 1,764	3,880 2,910		4,695 3,521	
Bucket capacity	yd³	0.5		0.75		0.75	
Fuel tank capacity	gal	13.2		17.2		17.2	
Hydraulic tank capacity	gal	7.9		13.2		13.2	
Travel speed	mph	0 - 12.4 / 0 - 18.6		0 - 12.4		0 - 18.6	
Aux. hydraulic flow rate standard high flow	gpm	13.1 22.2		15.2 -		15.1 30.6	
Pressure	psi	3,046		3,046		3,046	
Overall length with bucket	in	178.0 / 182.3		203.1		203.1	
Overall width	in	44.4 / 54.9		61.0		61.8	
Overall height*	in	91.8 / 92.5		93.3 / 94.8		100.4	
Hinge pin height	in	100.1 / 126.4		128.7		128.0	
Operating weight with cab	lbs	7,275		8,598		9,480	
Standard tires		31x15.5-15 ET-37		15.5/55-18 EM ET0		15.5/55-18 EM ET0	

* In the event of deviating tires or reversed wheel rims the dimensions will change.

ZERO EMISSION

CONCRETE TECHNOLOGY

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LOADERS

Wheel Loaders



Articulated Wheel Loaders

	Unit	WL52	WL60
Max. operating power at operating speed	hp rpm	74.3 @ 2,300	101 @ 2,200
Engine type		Deutz TCD 2.9 L4, liquid-cooled, 4-cylinder, turbo diesel engine.	Perkins 904J-E36TA, liquid-cooled, 4-cylinder, turbo diesel engine.
Tipping load (bucket / fork) - straight - articulated	lbs	8,706 / 6,735 7,531 / 5,633	8,100 / 7,372 6,682 / 6,153
Rated Operating Capacity (bucket) - straight (50%) - articulated (50%)	lbs	4,353 3,766	4,050 3,341
Rated operating capacity (fork) - fully articulated hard surface (80%) - fully articulated rough terrain (60%)	lbs	4,506 3,380	4,922 3,692
Bucket capacity	yd³	1.1	1.3
Fuel tank capacity	gal	21.7	27.7
Hydraulic tank capacity	gal	17.4	25.1
Travel speed, two-speed	mph	0 – 12.4 / 0 – 18.6	0 - 24.9
Aux. hydraulic flow rate standard high flow	gpm	19.4 30.4	26.4 39.6
Pressure	psi	3,046	3,046
Overall length with bucket	in	213.5	232.3
Overall width	in	71.3	72.0
Overall height*	in	105.3	107.1
Hinge pin height	in	127.4	145.3
Operating weight Cab	lbs	11,244	13,007
Standard tires		405/70 R18 EM ET0	405/70-18 EM ET0

* In the event of deviating tires or reversed wheel rims, the dimensions will change.

ZERO EMISSION

CONCRETE TECHNOLOGY

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UTILITY

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LOADERS

Wheel Loaders



Articulated Wheel Loaders

	Unit	WL95
Max. operating power at operating speed	hp rpm	136 @ 2,300
Engine type		Deutz TCD 3.6, liquid-cooled, 4-cylinder, turbo diesel engine.
Tipping load (bucket / fork) - straight - articulated	lbs	14,394 / 11,841 12,672 / 10,423
Rated Operating Capacity (bucket) - straight (50%) - articulated (50%)	lbs	7,197 6,336
Rated operating load (bucket / fork) - fully articulated hard surface (80%) - fully articulated rough terrain (60%)	lbs	8,338 6,254
Bucket capacity	yd³	2.0
Fuel tank capacity	gal	37.0
Hydraulic tank capacity	gal	33.0
Travel speed, two-speed	mph	0 - 24.9
Aux. hydraulic flow rate - standardt - high flow	gpm	39.6 -
Pressure	psi	3,626
Overall length with bucket	in	254.7
Overall width	in	94.1
Overall height*	in	120.5
Hinge pin height	in	150.4
Operating weight	Cab lbs	22,900
Standard tires		500/70 R24 ET40

* In the event of deviating tires or reversed wheel rims the dimensions will change.

Telehandlers



Telehandlers

	Unit	TH412	TH627
Max. operating power at operating speed	hp rpm	24.7 / 44.7 @ 2,600	74.3 @ 2,600
Engine type		Yanmar 3TNV80FT / Yanmar 3TNV86CHT, liquid cooled, 3-cylinder, turbo diesel engine.	Kohler KDI 2504, liquid-cooled, 4-cylinder, turbo diesel engine.
Operating capacity, boom retracted (bucket)	lbs	2,579	5,335
Operating capacity, boom retracted (forks)	lbs	2,381	5,512
Fuel tank capacity	gal	8.7	26.4
Hydraulic tank capacity	gal	9.5	19.8
Travel speed	mph	0 - 12.4	0 - 12.4 / 0- 18.6
Aux. hydraulic flow rate	gpm	7.6 / 18.5	23.5
Pressure	psi	3,191	3,771
Overall length with bucket	in	155.3	196.9
Overall width	in	61.6	77.2
Overall height	in	78.5	78.1
Hinge pin height (ext.)	in	178.6	239.0
Loading height ext. (forks / bucket)	in	169.3 / 163.9	228.0 / 219.3
Operating weight	lbs	6,063 / 6,393	10,803
Standard tires		10.0/75-15.3 AS ET40	12.5-18 MPT-04

ZERO EMISSION

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

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