

Product Guide

Full Line



**WACKER
NEUSON**

all it takes!

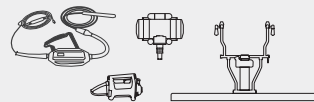


A single-source for reliable solutions.

Wacker Neuson can trace its roots back to 1848, when Johann Christian Wacker founded a blacksmith's shop in the city of Dresden. 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 400 patents and utility models and serve a highly diverse range of markets.

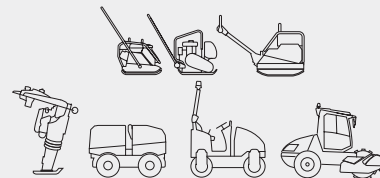
Our products are used in applications across industries that include construction, agriculture, oil and gas, landscaping, and municipal services. From compaction and concrete technology to industrial and material handling equipment, Wacker Neuson is a market leader respected for quality, performance and hands-on customer support.

Concrete Technology



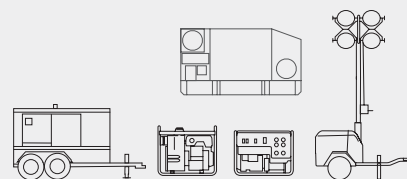
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Compaction



12

Utility



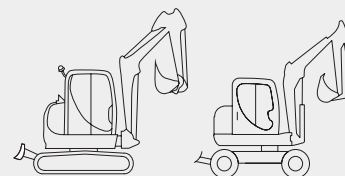
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Dumpers



54

Excavators



60

Loaders



72

Vibrators

BASIC

M1500 / M2500



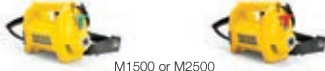
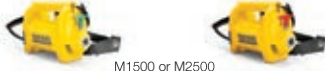
Electric Flex-shaft Internal Vibrators

FLEX-SHAFT INTERNAL VIBRATORS

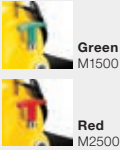
M1500 M2500

UNIT			
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

Shaft and Head Chart

	SM 1-E	SM 2-E	SM 3-E	SM 4-E	SM 5-E	SM 7-E		
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
H35								
H35HA	M1500 or M2500							
H45								
H45HA	M1500 or M2500							
H50HA								
H65	M2500 only							
HR48								
HR65								
HR70								
HR70S								

T-handle guide



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

SHAFTS

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

UNIT															
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

H25S H25HA H35S H35HA

H45S H45HA H50HA H65 HR48 HR65 HR70 H70S

UNIT															
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		

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Vibrators

ADVANCED



IEC

Vibrators

PREMIUM



FUFlex

IRFflex

IRFU65

INTERNAL VIBRATORS

		IEC45	IEC58
UNIT			
Vibrator Head Diameter	in	1.8	2.3
Effective consolidation diameter*	in	23.6	33.5
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

VIBRATORS

FUFlex4/120		
UNIT		
Voltage ~	V	120
Current	A	12
Frequency	Hz	50 - 60
Power Cable	ft	49.2

IRFLEX

		IRFflex38	IRFflex45	IRFflex58	IRFflex60HR
UNIT					
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/Power Cable	ft	9.8-16.4	16.4	16.4/26.2/32.8/49.2	16.4/32.8
Head length	in	13.6	15	15.8	15.8

IRFU

IRFU65		
UNIT		
Vibrator head diameter	in	2.6
Effective consolidation diameter*	in	39.4
Voltage ~	V	120
Current	A	15
Frequency	Hz	50-60
Protective Hose/Power Cable	ft	16.4-26.25-32.81/49.2

*This is non-binding information, based on the practical experience of our clients under certain operating conditions. Please note that under specific operating conditions, these findings may vary. We recommend that you always perform a test pouring under the operating conditions.

Backpack Vibrators



BACKPACK VIBRATORS

BV50A-H**		
UNIT		
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-H heads and shafts sold separately

BATTERY BACKPACK VIBRATORS

ACBe**		
UNIT		
Length x width x height	in	11.7 x 9.3 x 22
Weight with battery	lb	29.76
Shaft	ft	5.0 / 10.0 / 16.5
Head diameter (IEe38 / IEe45 / IEe58)	in	1.5 / 1.8 / 2.3
Power source		Electric, Battery BP1000, Li-Ion
Battery weight	lbs	20.5
Battery voltage	V	51.0
Battery content	Wh	1,008
Battery charge time (max)	min	80

INTERNAL VIBRATORS

		IEe38	IEe45	IEe58
UNIT				
Diameter of vibrator head	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

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Vibrators



Frequency and Voltage Inverter*

External Vibrators*



Screeds



EXTERNAL VIBRATORS

AR26/6/042 ARFU26/6/120

UNIT			
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

SV4 SV4L SV5 SV53 SV54

UNIT						
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 CONVERTERS

FUE6/042/200

UNIT		
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

WET SCREED

P35A

UNIT		
Length x width x height	in	36.7 x 36.7 x 35.6
Weight	lbs	34.2
Engine type		4-cycle, air-cooled gasoline Honda GX35
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*

SB6F SB20M SB8F SB10F

UNIT					
Length	ft	6	6.6	8	10
Width	in	6.1	6.1	6.1	6.1
Weight	lbs	9.1	11.7	12.3	15.3

SB12F SB14F SB16F

UNIT				
Length	ft	12	14	16
Width	in	6.1	6.1	6.1
Weight	lbs	18.3	22	25

* Magnesium wet screed blades

CONCRETE
TECHNOLOGY

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EXCAVATORS

LOADERS

Rammers



BS50-2plus

BS60-2plus

BS70-2plus

Oil-Injected Rammers



BS50-2

AS50e

AS60e

2-Cycle Rammer

Battery Rammers

BS50-2plus BS60-2plus BS70-2plus
2-cycle with oil injection

BS50-2
2-cycle

AS50e
Battery

AS60e
Battery

UNIT

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	1.65	2.0
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	30	30
Compacted area 11 in shoe	ft²/h	1,710	1,763	1,598	1,712	1,656	1,656
13 in shoe		-	-	1,884	-	-	-
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.	Wacker Neuson asynchronous motor.	Wacker Neuson asynchronous motor.
Displacement	in³	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	-	-
Rated performance	kW / A	-	-	-	-	2.1 / 41	2.1 / 41
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	-	-	-
Battery		-	-	-	-	BP1000 Li-ion	BP1000 Li-ion

Rammers



BS50-4As



BS60-4As



BS70-4As

4-Cycle Rammers

RAMMERS	BS50-4As		BS60-4As		BS70-4As	
	UNIT					
	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	
	Shoe size (w x l)	in	11 x 13	11 x 13	11 x 13	
	Operating weight	lbs	143	159	177	
	Stroke	in	2.2	3.1	2.9	
	Percussion rate	blows/min	680	690	678	
	Travel speed	ft/min	23.3	28.9	23.0	
	Compacted area 11 in shoe	ft ² /h	1,281	1,604	1,270	
	Engine type		Honda GXR120, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Honda GXR120, air-cooled, 4-cycle, single-cylinder, gasoline engine.	
Displacement		in ³	5.98	5.98	7.38	
Operating speed		rpm	3,950	3,950	3,950	
Max. rated power		hp rpm	3.6 @ 4,200	3.6 @ 4,200	3.6 @ 3,600	
Fuel consumption		qt/h	0.9	0.9	0.9	
Fuel tank capacity		qt	3.2	3.2	3.2	

Plates



WP154OA

WP154OAW

WP155OA

WP155OAW



APS1135e

APS1135We

API185Owe

API185Oe

Premium Vibratory Plates

Battery Vibratory Plates

PLATES

		WP154OA / WP154OAW	WP155OA / WP155OAW	APS1030e / APS1030We*	APS1135e / APS1135We	APS1340e / APS1340We	API1850e / API1850We
UNIT							
Length x width x height	in	34.5 x 16.9 x 37.8	34.5 x 19.6 x 37.9	36.6 x 12.5 x 26.1	36.6 x 13.8 x 26.1	36.6 x 15.8 x 26.1	48.4 x 19.7 x 19.0
Lowest working height	in	20.7	20.7	26.1	26.1	26.1	19.0
Size of baseplate (w x l)	in	16.9 x 22.8	19.6 x 22.8	11.8 x 23.6	13.8 x 23.6	15.8 x 23.6	19.7 x 23.6
Operating weight	lbs	190 / 203	196.2	110.2 / 114.6	127.9 / 132.2	154.3 / 158.7	223 / 244.7
Water tank	qt	11	11	9.5	9.5	9.5	9.5
Compacted area*	ft ² /h	8,062	9,365	5,382	5,877	6,716	8,719
Forward speed*	ft/min	95	95	85.3	85.3	85.3	88.6
Gradeability	%	36.4	36.4	46.6	46.6	46.6	46.6
Vibration frequency	vpm	5,880	5,880	5,880	5,880	5,880	5,880
Centrifugal force	lbs	3,375	3,375	2,248	2,473	2,923	4,047
Engine type		Honda GX160, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Electric, Battery BP1000			
Battery		–	–	Li-Ion			
Battery Weight	lbs	–	–	20.5	20.5	20.5	20.5
Battery L x W x H	in	–	–	8.7 x 11.4 x 7.6	8.7 x 11.4 x 7.6	8.7 x 11.4 x 7.6	8.7 x 11.4 x 7.6
Battery voltage	V	–	–	51	51	51	51
Battery content	Wh	–	–	1,008	1,008	1,008	1,008
Battery charge time max.	min	–	–	80	80	80	80
Displacement	in ³	9.9	9.9				–
Operating speed	rpm	3,600	3,600				–
Max. rated power	hp rpm	4.15 @ 3,600	4.15 @ 3,600				–
Fuel tank capacity	gal	0.95	0.95				–
Fuel consumption	gal/h	0.21	0.21				–
Wheel kit option		yes	yes	yes	yes	yes	yes

*Canada only

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Plates



Value Vibratory Plates

PLATES	UNIT		BPS1030A / BPS1030Aw*	BPS1135A / BPS1135Aw	BPS1340A / BPS1340Aw	VP1550A / VP1550Aw	VP2050A / VP2050Aw
	Length x width x height	in	36.6 x 12.5 x 26.1	37.7 x 14 x 36.1	40.9 x 15.7 x 36.9	40.7 x 19.9 x 37	40.7 x 19.9 x 37
	Lowest working height	in	26.1	26.1	26.1	21.8	21.8
	Size of baseplate (w x l)	in	11.8 x 23.6	13.8 x 23.6	15.8 x 23.6	19.9 x 23.4	19.9 x 23.4
	Operating weight	lbs	116.8 / 123.5	134.4 / 138.9	156.5 / 167.6	205 / 222.6	221 / 238.6
	Water tank	qt	9.5	9.5	9.5	9.5	9.5
	Compacted area**	ft²/h	5,382	5,877	6,717	9,365	9,365
	Forward speed**	ft/min	85.3	85.3	85.3	95	95
	Gradeability	%	36.4	36.4	36.4	36.4	36.4
	Vibration frequency	vpm	5,880	5,880	5,880	5,880	5,880
	Centrifugal force	lbs	2,248	2,473	2,923	3,372	4,496
	Engine type		Honda GX120, air-cooled, 4-cycle, single-cylinder, gasoline engine.			Honda GX160, air-cooled, 4-cycle, single-cylinder, gasoline engine.	
	Operating speed	rpm	3,600	3,600	3,600	3,900	3,900
	Max. rated power	hp rpm	4 @ 3,600	4 @ 3,600	4 @ 3,600	4.8 @ 3,600	4.8 @ 3,600
	Fuel tank capacity	gal	0.66	0.66	0.95	0.95	0.95
	Fuel consumption	gal/h	0.26	0.26	0.26	0.2	0.2
	Wheel kit option		yes	yes	yes	yes	yes

* Canada only. ** Specification varies depending on soil or asphalt. Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter.

Plates



BPU2540A



DPU3050H



BPU3750A



BPU4045A

Reversible Vibratory Plates

PLATES			BPU2540A	BPU3050A	DPU3050H	BPU3750A	DPU3750H	BPU4045A	BPU5545A
	UNIT								
	Operating width	in	15.8	19.7	19.7	19.7	19.7	23.6*	23.6*
	Machine height	in	26	27.5	29.8	29.4	29.8	28.5	28.5
	Operating height	in	31.5 - 45.0	31.5 - 45.0	31.5 - 45	36.8 - 51.3	34.3 - 51.7	40.6 - 55.5	40.6 - 55.5
	Operating weight	lbs	309	366	386	529	545	710	750
	Base plate thickness	in	0.4	0.4	0.4	0.4	0.4	0.5	0.5
	Centrifugal force	lbs	5,625	6,750	6,750	8,318	8,318	8,992	12,364
	Frequency	vpm	5,400	5,400	5,400	5,400	5,400	4,140	4,140
	Forward and reverse travel**	ft/min	68.9	68.9	68.9	82	88.6	78.7	88.6
DUMPERS	Compacted area**	ft²/h	5,425	6,781	6,781	8,073	8,719	9,300	9,171
	Gradeability**	%	30	30	30	30	30	34	34
	Engine type		Honda GX160, air-cooled, 4-cycle, single-cylinder gasoline engine.	Honda GX270, air-cooled, 4-cycle, single-cylinder gasoline engine.	Hatz 1B30, air-cooled, single-cylinder, diesel engine.	Honda GX270, air-cooled, 4-cycle, single-cylinder, gasoline engine.	Hatz 1B30, air-cooled, single-cylinder diesel 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	5.5 @ 3,600	9.0 @ 3,600	6.8 @ 3,600	8 @ 3,600	6.8 @ 3,600	8 @ 3,000	8.6 @ 3,000
	Fule tank capacity	qt	3.9	5.3	5.3	5.6	5.3	5.6	6.4
	Fuel consumption	qt/h	0.9	1.2	0.63	1.2	0.63	1.7	2.1
	Max. allowable tilt	deg	20	19	25	20	25	20	20
LOADERS									

* Includes standard extension plates. ** Specification varies depending on soil.
Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter.

Plates



DPU4545Veh

DPU5545Heh

DPU6555Heh

DPU90r

DPU90

DPU110

DPU130Le

Diesel Reversible Vibratory Plates

PLATES

		DPU4545Veh	DPU5545Heh	DPU6555Heh	DPU6555Hehc	DPU90	DPU90r	DPU110/ DPU110r	DPU130Le
	UNIT								
Operating width	in	23.6*	23.6*	28.0*	28.0*	30	30	38	47
Machine height	in	31	31	33.6	33.6	33	33	32.4	39
Shipping height	in	60.6	59.6	59.9	59.9	33	33	48.8	39
Operating weight	lbs	842.2	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	0.6	0.6	0.55	0.6
Centrifugal force	lbs	8,992	12,364	14,612	14,612	20,233	20,233	24,729	29,225
Frequency	vpm	4,140	4,140	4,140	4,140	3,780	3,780	3,600	3,480
Forward and reverse travel**	ft/min	78.7	77	91.8	91.8	98	91.8	98.4/92	102
Compacted area ** (standard extension plates)	ft ² /h	9,364.7	9,171	12,917	12,917	14,919	13,929	18,794 / 17,515	24,025
Max. gradeability	%	36.4	38	38	38	34	34	40	–
Engine type		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	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	5.3	6.3	6.3	7.6	7.6	11.6	19
Fuel consumption	gal/h	0.4	0.47	0.5	0.5	0.7	0.7	3.4	1

* Includes standard extension plates. ** Specification varies depending on soil.
Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter.

Rollers



RTLx-SC3
Vibratory Trench Roller



RD12L-90

RTLx-SC3*

UNIT		
Length x width x height (Handle down)	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

RD12L-90

DIMENSIONS		UNIT
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
Tire size in rear		-
ENGINE		UNIT
Engine type		Kohler ECH750, air-cooled, 2-cylinder, gasoline engine.
Power output (ISO 14396)	hp	20.8
Fuel tank capacity	gal	6.3
PERFORMANCE		UNIT
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

*Available with Compatec, compaction control system.
*** Half-water and guards.

Rollers



RD18-100

ROLLERS

		RD18-80	RD18-100	RD18-100C
DIMENSIONS		UNIT		
Length x width x height	in	89 x 33.7 x 87	89 x 41.6 x 87	89 x 40.9 x 87
Drum width	in	31.5	39.4	39.4
Max. Operating weight	lbs	4,057	4,299	4,035
Side clearance left / right	in	0 / 0	0 / 0	0 / 0
Turning radius (inside)	in	87.9	83.9	83.9
Drum type front		smooth	smooth	smooth
Drum type rear		smooth	smooth	tires
Tire size in rear		-	-	205/60 - R15
ENGINE		UNIT		
Engine type		Kubota D1104, 3-cylinder, diesel engine.	Kubota D1104, 3-cylinder, diesel engine.	
Power output (ISO 14396)	hp	16.8	16.8	16.8
Fuel tank capacity	gal	8.7	8.7	8.7
PERFORMANCE		UNIT		
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	5,620 / 3,597	5,620 / 3,597	5,620 / 3,597
Centrifugal force rear I/II	lbf	5,620 / 3,597	5,620 / 3,597	-
Water tank capacity	gal	18.5	18.5	18.5

C = Combination front drum/rear tires

Rollers



RD24-100



RD28-120

ROLLERS

		RD24-100	RD24-100c	RD24-100o	RD28-120	RD28-120c	RD28-120o
DIMENSIONS		UNIT					
Length x width x height	in	96.9 x 43.7 x 94.1	96.9 x 43.7 x 94.1	96.9 x 43.7 x 94.1	96.9 x 51.6 x 94.1	96.9 x 51.6 x 94.1	96.9 x 51.6 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		UNIT					
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	
PERFORMANCE		UNIT					
Infinitely variable speed	mph	0 - 7.5	0 - 6.8	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Gradeability with/ without vibration	%	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	35 / 40
Centrifugal force, front (l/ll)	lbf	10,340 / 6,295	10,340 / 6,295	10,340 / 6,295	11,690 / 7,194	11,690 / 7,194	11,690 / 7,194
Centrifugal force, rear (l/ll)	lbf	10,340 / 6,295	–	–	11,690 / 7,194	–	–
Water tank capacity	gal	47.6	47.6	47.6	47.6	47.6	47.6

O = Oscillating drum C = Combination front drum/rear tires

Rollers



PRO ROLLERS

		RD40-130	RD40-130C	RD40-130O	RD45-140	RD45-140C	RD45-140O
DIMENSIONS		UNIT					
Length x width x height	in	112.6 x 56.1 x 102	112.6 x 56.1 x 102	112.6 x 56.1 x 102	112.6 x 59.9 x 102	112.6 x 59.9 x 102	112.6 x 59.9 x 102
Drum width	in	51.2	51.2	51.2	54.3	54.3	54.3
Max. operating weight	lbs	10,847	10,560	11,530	11,684	10,935	12,434
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		UNIT					
Engine type		Kubota V2403-CR, 4-cylinder, diesel engine.			Kubota V2403-CR, 4-cylinder, diesel engine.		
Power output	hp	49.3			49.3		
Fuel tank capacity	gal	19.3			19.3		
PERFORMANCE		UNIT					
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	14,390 / 8,768	14,390 / 8,768	14,390 / 8,768	14,390 / 8,768	14,390 / 8,768	14,390 / 8,768
Centrifugal force, rear (I/II)	lbf	14,390 / 8,768	–	14,390 / 8,768	14,390 / 8,768	–	14,390 / 8,768
Water tank capacity	gal	75.3	75.3	75.3	75.3	75.3	75.3

O = Oscillating drum C = Combination front drum/rear tires

Soil Compactors



		RC50	RC50p	RC70	RC70p	RC110	RC110p
DIMENSIONS		UNIT					
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
ENGINE		UNIT					
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
PERFORMANCE		UNIT					
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
Turning radius inside		in	131.6	131.6	130.3	130.3	152.4
Gradeability with/ without vibrations		%	55 / 60	55 / 60	55 / 60	55 / 60	54 / 59
Centrifugal force, front (I/II)		lbf	15,510	15,510	28,100 / 21,360	28,100 / 21,360	55,350 / 30,600
Vibration frequency, front (I/II)		vpm	1,800	1,800	1,800 / 2,520	1,800	1,800 / 2,160

Available in both cab and canopy.

Pumps



Single-phase Submersible Pumps

		PSR1500	PSG2500	PST2400 / PSTF2400	PST3750 / PSTF3750	PS2500	PSA2500
UNIT							
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

SINGLE-PHASE SUBMERSIBLE PUMPS

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Pumps



Single-phase Submersible Pumps

SINGLE-PHASE SUBMERSIBLE PUMPS

		PS2800	PSA2800	PS31500	PSW31500	PS32200
UNIT						
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

Pumps



PDT2A / PDT3A

Diaphragm Pumps



PG2A



PG3A

Dewatering Pumps

DIAPHRAGM AND DEWATERING PUMPS

		PDT2A	PDT3A	PG2A	PG3A
UNIT					
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

Pumps



PT2A

PT3A

PT4A

Trash Pumps

TRASH PUMPS

		PT2A	PT3A	PT4A
UNIT				
Suction & discharge diameter	in	2	3	4
Length x width x height	in	24.4 x 18.2 x 18.9	27.8 x 19.9 x 22.4	29.7 x 21.3 x 23.6
Operating weight	lbs	110	154.8	187
Max. head	ft	98	89	98
Max. discharge	gpm	185	383	541
Max. suction lift	ft	26	26	26
Solid size capacity	in	1	1.5	2
Engine		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.		Honda, air-cooled, 4-cycle, single-cylinder, gasoline engine.
Displacement	in³	9.9	16.5	23.7
Operating speed	rpm	3,500	3,550	3,500
Max. rated power at rated speed	hp rpm	4.8 @ 3,600	8.5 @ 3,600	11.7 @ 3,600
Fuel capacity	gal	0.82	1.4	1.6
Max. fuel consumption	gal/hr	0.37	0.7	0.8

Generators



Portable Generators

GP2500A

GP3800A
includes wheel kit

GP5600A
includes wheel kit

GP6600A**
Includes wheel kit

GPS9700A
Includes wheel kit

UNIT						
Length x width x height with wheel kit	in	24.5 x 17.2 x 19.3	28 x 21.6 x 20.3 41 x 29 x 25.5	28 x 21.6 x 20.3 41 x 29 x 25.5	28 x 21.6 x 20.3 41 x 29 x 25.5	36.4 x 26.2 x 25 51.7 x 33.5 x 30.3
Operating weight	lbs	128	196	223	223	418
Maximum output	W	2,500	3,800	5,600	6,600	9,700
Continuous output	W	2,250	3,400	5,000	6,000	9,000
Continuous AC amps	A	18.8	28.3 / 14.2	41.7 / 20.8	50 / 25	75.0 / 37.5
AC voltage	V	120	120 / 240	120 / 240	120 / 240	120 / 240
AC circuit breaker amps	A	20	16, 2 pole	23, 2 pole	27, 2 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	23.4	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	7.9 @ 3,600	10.7 @ 3,600	11.7 @ 3,600	20.8 @ 3,600
Fuel tank capacity	gal	3.17	5.5	5.5	5.5	9.8
Running time / full load	hrs	7.4	8.8	6.2	5.4	6.5
AC outlet receptacles*		1-125V, 20A GFCI Duplex 5-20R 1-125V, 20A, Duplex 5-20R	2-125V, 20A, Duplex 5-20R 1-125V, 30A, Twist Lock L5-30R 1-125/250V, 20A, Twist Lock L14-20R	2-125V,20A Duplex 5-20R 1-125V, 30A Twist Lock L5-30R 1-125/250V, 30A, Twist Lock L14-30R	2-125V,20A Duplex 5-20R 1-125V, 30A Twist Lock L5-30R 1-125/250V, 30A, Twist Lock L14-30R	2-125V,20A Duplex 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	no	yes

* All outlets are GFCI protected (GP2500A GFCI duplex also protects Standard duplex).
** GP6600A for USA only. ***Battery not included.

Generators



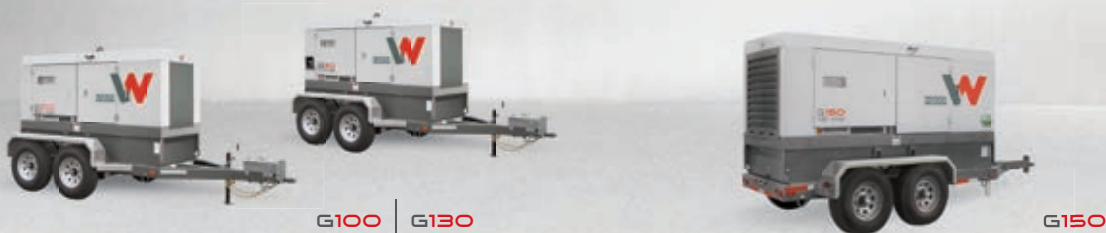
Mobile Generators

MOBILE GENERATORS

		G25	G35	G50	G70
SKID MOUNTED	UNIT				
Length x width x height	in	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	2,222	2,259	2,705	4,510
GENERATOR WITH TRAILER					
Length x width x height	in	131.8x 58.3 x 68.8	131.8x 58.3 x 68.8	138.8 x 58.3 x 71	160 x 67.5 x 85
Operating weight	lbs	2,576	2,613	3,090	5,390
Prime output	kW / kVA	20 / 25	28 / 35	38 / 48	58 / 72
Standby output	kW / kVA	22 / 27	31 / 39	42 / 52	63 / 79
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	60
Power factor	1Ø / 3Ø	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 ±0.2	±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	68.0 @ 23
Engine type		Kohler KDI1903	Kohler KDI1903	Kohler KDI2504	Kohler KDI3404
Rated standby power	hp rpm	40 @ 1,800	66 @ 1,800	66 @ 1,800	109 @ 1,800
Fuel tank capacity	gal	63	63	88	112
Fuel consumption @ prime	gal/h	1.8	2.4	3.3	4.2
Trailer hitch type		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 3	2 3	2 3
DEF capacity	gal	-	-	-	5.1
DEF consumption	gal/h	-	-	-	0.07
CSA certified		yes	yes	yes	yes

* 600V available in Canada.

Generators



Mobile Generators

MOBILE GENERATORS

		G100	G130	G150
SKID MOUNTED	UNIT			
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	lbs	6,241	6,386	6,400
GENERATOR WITH TRAILER				
Length x width x height	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

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Light Towers



Compact Vertical Mast Light Towers

Wide Body Vertical Mast Light Towers

COMPACT LIGHT TOWERS			LTV4L LED	LTV6L LED	LTV6L MH	LTW20Z-1 LED	LTW20Z-1 MH
	UNIT						
	Length x width x height*	in	101 x 58 x 99	101 x 58 x 99	101 x 58 x 99	131 x 75.5 x 101	131 x 75.5 x 101
	Operating weight	lb	1,650	1,760	1,790	3,450	3,450
	Maximum tower height	ft	23	23	23	23	23
	Sound level at 23 feet	dB(A)	68.8	67.9	67.9	69.2	69.2
	Output	kW	4.1	6	6	18.6	18.6
	AC Voltage	V	120/240	120/240	120/240	–	–
	Frequency	Hz	60	60	60	60	60
	Power factor	pf	1	1	1	1	1
	Voltage regulation steady no load to full load	%	±6 ±10	±6 ±10	±6 ±10	±1.0	±1.0
	Lamp type	W	4 x 300 LED	4 x 300 LED	4 x 1,100 Metal Halide	4 x 300 LED	4 x 1,100 Metal Halide
	Max coverage @ .5ft-C (21.5 lux)	ft²	32,600	32,600	31,863	32,600	31,863
	Total luminous flux	lm	180,000	180,000	480,000	180,000	480,000
	Diffused light option		yes	yes	–	yes	–
	Generator	type	Brushless**	Brushless**	Brushless**	Brushless**	Brushless**
	Engine type		Kohler, liquid-cooled, 2-cylinder, diesel engine.	Kohler, liquid-cooled, 3-cylinder, diesel engine.		Isuzu, 4 cylinder, liquid-cooled, diesel engine.	Isuzu, 4 cylinder, liquid-cooled, diesel engine.
	Max. rated power at rated speed	hp rpm	8 @ 1,800	12.2 @ 1,800	12.2 @ 1,800	40 @ 1,800	40 @ 1,800
	Oil change service interval	hr	1,000	1,000	1,000	57	57
	Fuel tank capacity	gal	45.8	45.8	45.8	1.58	1.58
	Fuel consumption prime	gal/h	0.47	0.72	0.72	35	35
	Run time (4 lights)	hours	168	151	98.8	4 2 1	4 2 1
	AC receptacles 120V - 20A Duplex GFCI 5-20R 120V/240V - 30A Twist LockL14-30R		1 1	1 1 (option)	1 1	yes	yes
	CSA certified		yes	yes	yes	yes	yes

* Mast in Transport Position . ** with Capacitor Excitation.

Heaters

E1250



Hydronic Ground Heaters



E3000

HYDRONIC GROUND HEATERS

E1250

E3000

UNIT

Length x width x height	in	140 x 76 x 72	181 x 91 x 94
Approximate Weight	lbs	3,775	9,290 / 7,815***
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		–	Kohler
Fuel consumption at full load			
Burner diesel	gph	1.0	2.75
Generator diesel	gph	0.52	0.52 (3kW)
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	ft ²	1,250 - 2,500 / up to 3,750**	3,000 - 6,000**
Curing capacity	ft ²	up to 2,500 / 7,500**	6,000 / 18,000**
Frost prevention	ft ²	up to 3,750 / 11,250**	9,000 - 27,000**
Air heat capacity	ft ³	203, 600**	up to 525,000**

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

Heaters



Indirect Fired Air Heaters

HI1000D/G



HI1000DGM



HI770

INDIRECT FIRED AIR HEATERS

		HI1000G with Skid	HI1000D Skid with tank	HI1000DGM with tank and generator	HI770XHD
UNIT					
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		UNIT			
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	–	850	–
LP	gph	6.2	–	6.2	–
Genset (full Load)	gph	–	–	0.63	0.9
BLOWER		UNIT			
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

Track Dumpers



DT08



DT10



DT15

TRACK DUMPERS

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

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Wheeled Dumpers



DW30



DW50

DW30

DW30
Concrete edition

DW50

ENGINE		UNIT	
Max. operating power at operating speed	hp rpm	45.3 @ 2,200	45.3 @ 2,200
Engine type		Perkins 403J-E17T, liquid-cooled, 3-cylinder turbo diesel engine.	Perkins 403F-15T, liquid-cooled, 3-cylinder, diesel engine.
Fuel tank capacity	gal	11.9	11.9
PERFORMANCE		UNIT	
Travel speed	mph	0-15.5	0-15.5
Standard tires		11.50/80 x 15.3, Mitas tractor tread	12.5-18/16, Mitas universal tread
Turning radius outside	in	158.7	158.7
TRANSMISSION		UNIT	
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
HYDRAULICS		UNIT	
Pump capacity Operating / Drive	gal/min	8.2 / 26.2	8.2 / 26.2
Operating pressure Operating / Drive	psi	2,901 / 6,498	2,901 / 6,498
Hydraulic tank capacity	gal	11.1	11.1
DIMENSIONS		UNIT	
Height ROPS/CAB	in	112.6 / 105.1	112.6 / –
Width	in	70.1	70.1
Length	in	166.3	199.3
Max safe payload	lb	6,614	6,614
Skip capacity	leveled	yd³	1.67
	heaped	yd³	2.29
	water	gal	262
Transport weight ROPS / CAB	lbs	5,545 / 5,895	5,675 / –

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

WHEEL DUMPERS

Dual View Dumpers



DUAL VIEW DUMPERS

		DV60	DV90	DV100
ENGINE		UNIT		
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.		
Fuel tank capacity	gal	21.1	21.1	21.1
PERFORMANCE		UNIT		
Travel speed	mph	0-18.6	0-18.6	0-18.6
Standard tires		405/10-20, Mitas universal tread		
Turning radius outside	in	232.7	252.4	257.8
TRANSMISSION		UNIT		
Final drive		Hydrostatic transmission, permanent 4-wheel drive, electronic driving direction switch.		
Working brake		Hydrostatic / Wet multidisk		
HYDRAULICS		UNIT		
Pump capacity Operating / Drive	psi	16.1 / 32.6	16.1 / 32.6	16.1 / 32.6
Operating pressure Operating / Drive	gal	3,481 / 3,771	3,481 / 3,771	3,481 / 3,771
Hydraulic tank capacity	gal	15.9	15.9	15.9
DIMENSIONS		UNIT		
Height ROPS/CAB	in	130 / 115.7	- / 115.9	- / 115.9
Width	in	87.3	96.6	99.4
Max safe payload	lb	13,228	19,841	22,046
Skip capacity	leveled yd³	3.0	4.3	5.4
	heaped yd³	4.1	5.7	6.5
	water gal	423	542	674
Transport weight ROPS / CAB	lbs	9,524 / 10,229	11,144 / 11,607	10,483 / 10,946

Tracked Excavators



Dual Power Tracked Excavator

803

HPUB 8

TRACKED EXCAVATORS

		803	HPUB 8
ENGINE		UNIT	
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	-
PERFORMANCE		UNIT	
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	-
HYDRAULICS		UNIT	
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
DIMENSIONS		UNIT	
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 Excavators



EZ17



ET20

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

TRACKED EXCAVATORS

		EZ17	ET20
ENGINE		UNIT	
Max. operating power at operating speed	hp/rpm	17.2 @ 2,200	
Engine type		Yanmar 3TNV80F, liquid-cooled, 3-cylinder, diesel engine.	
Fuel tank capacity	gal	5.8	6.3
PERFORMANCE		UNIT	
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
HYDRAULICS		UNIT	
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
DIMENSIONS		UNIT	
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

Tracked Excavators



CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

EZ26

EZ36

ENGINE	UNIT	NON- VDS		VDS	NON- VDS		VDS
Max. operating power at operating speed	hp/rpm	20.4 @ 2,500			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	9.3			11.6		
PERFORMANCE	UNIT						
Travel speed	mph	0 – 2.4			0 – 3		
Track width	in	12.0			11.8		
Track rollers per side		3			4		
Ground clearance	in	11.0			10.0		
Ground pressure	psi	3.84			5.8		
Max. arm force	lbf	3,440			4,743		
Max. bucket digging force	lbf	5,058			7,868		
HYDRAULICS	UNIT						
Pump capacity	gal/min	23.8			30.8		
Operating pressure for working hydraulics	psi	3,263			3,481		
Operating pressure for swing gear	psi	2,988			2,828		
Hydraulic tank capacity	gal	7.9			16.3		
DIMENSIONS	UNIT						
Height	in	95	99.4		98.1	101.3	
Width	in	61.8			68.9		
Transport length / long dipperstick	in	168 / 168.9	165.8 / 167.4		216.7 / 216.7	216.1 / 216.9	
Max. digging depth / long dipperstick	in	99.9 / 107.8	95.6 / 103.4		127.8 / 137.7	124.9 / 134.7	
Max. dumping height / long dipperstick	in	112.1 / 117.2	116.4 / 121.5		131.3 / 137.4	134.3 / 140.3	
Digging radius / long dipperstick	in	182 / 189.6	182.3 / 189.8		216.8 / 226.1	216.8 / 226.1	
Transport weight* canopy / cab	lbs	5,818 / 6,008	6,434 / 6,624		8,162 / 8,303	8,725 / 8,876	

*Transport weights calculated with long dipper and extra weight.

Tracked Excavators

ET42



EZ50



ET58



TRACKED EXCAVATORS

		ET42	EZ50	ET58
ENGINE		UNIT		
Max. operating power at operating speed	hp/rpm	43.6 @ 2,000		
Engine type		Perkins 403J-E17T, liquid-cooled, 3-cylinder, turbo diesel engine.		
Fuel tank capacity	gal	21.2		
PERFORMANCE		UNIT		
Travel speed	mph	0 – 3		
Track width	in	13.8		
Track rollers per side		4		
Ground clearance	in	11.8		
Ground pressure	psi	4.3		
Max. arm force	lbf	4,721		
Max. bucket digging force	lbf	6,722		
HYDRAULICS		UNIT		
Pump capacity	gal/min	23.8		
Operating pressure for working hydraulics	psi	3,553		
Operating pressure for swing gear	psi	2,988		
Hydraulic tank capacity	gal	13.2		
DIMENSIONS		UNIT		
Height	in	98.2		
Width	in	68.9		
Transport length / long dipperstick	in	202.6 / 202.8		
Max. digging depth / long dipperstick	in	131.7 / 139.5		
Max. dumping height / long dipperstick	in	140.7 / 145.8		
Digging radius / long dipperstick	in	216.1 / 223.5		
Transport weight* canopy / cab	lbs	9,064 / 9,345		

*Transport weights calculated with long dipper and extra weight.

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Tracked Excavators



TRACKED EXCAVATORS

		ET65	ET90	ET145
ENGINE		UNIT		
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
PERFORMANCE		UNIT		
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
HYDRAULICS		UNIT		
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
DIMENSIONS		UNIT		
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

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Wheeled Excavators



EW65

EW100

EW65

EW100

ENGINE		UNIT	
Max. operating power at operating speed	hp/rpm	56.4 @ 2,000	74.3 @ 2,200
Engine type		Perkins 404J-E22T, liquid-cooled, 4-cylinder, turbo diesel engine.	Perkins 904J-E36TA, liquid-cooled, 4-cylinder, turbo diesel engine.
Fuel tank capacity	gal	22.5	44.9
PERFORMANCE		UNIT	
Travel speed	mph	0 – 18.6	0 - 8.1 / 0 - 18.6
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	13.4
Max. arm force	lbf	6,924	10,566
Max. bucket digging force	lbf	11,398	12,162
HYDRAULICS		UNIT	
Pump capacity	gal/min	38	47.6
Operating pressure for working hydraulics	psi	3,481	4,206
Operating pressure for driving hydraulics	psi	6,526	6,382
Hydraulic tank capacity	gal	24.3	35.9
DIMENSIONS		UNIT	
Height	in	109.3	117.3
Width	in	82.1	97.0
Transport length / long dipperstick	in	244.9 / 250	262.0 / 271.1
Max. digging depth / long dipperstick	in	141.6 / 153.3	155.5 / 167.3
Max. dumping height / long dipperstick	in	195.3 / 204.5	233.7 / 244.3
Digging radius / long dipperstick	in	259.4 / 270.7	307.7 / 319.1
Transport weight	lbs	16,928	22,027

WHEELED EXCAVATORS

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Utility Track Loader



Skid Steer Loaders



SKID STEER LOADERS

		SM100	SW16	SW17
ENGINE		UNIT		
Max. operating power at operating speed	hp rpm	24.7 @ 2,600	56 @ 2,750	74 @ 2,750
Engine type		Yanmar 3TNV80FT, liquid-cooled, 4-cycle, 3-cylinder, turbocharged diesel engine.	Kohler KDI 1903 with DOC, liquid-cooled, 3-cylinder, turbo diesel engine.	Kohler KDI 2504 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.
CAPACITY		UNIT		
Rated Operating Capacity (ROC)	lbs	1,000 @ 35%	1,600 @ 50%	1,700 @ 50%
Tipping load	lbs	2,857	3,200	3,400
Fuel tank capacity	gal	14.1	30.1	30.1
Hydraulic tank capacity	gal	3.5	2.9	2.9
PERFORMANCE		UNIT		
Max travel speed, single / two-speed	mph	5.2	7.2 / 11.6	7.2 / 11.6
Aux. hydraulic flow rate - low / high	gpm	13	20	20 / 30
Aux. hydraulic pressure	psi	3,045	3,500	3,500
DIMENSIONS		UNIT		
Overall length w/std. bucket / w/o bucket	in	10.8 / 84.8	134.9 / 106.6	134.9 / 106.6
Overall width	in	35.1	65.9	65.9
Overall height	in	58.2	81.5	81.5
Hinge pin height	in	85.7	118.1	118.1
Ground clearance	in	7.8	7.6	7.6
Dump angle at max. height	deg	38.2	42	42
Reach at max. height	in	23.8	28.1	28.1
Breakout force - bucket	lbf	3,110	5,300	5,300
Angle of departure	deg	25.6	24	24
Operating weight	lbs	3,300	6,170	6,245
Standard tires		-	10 x 16.5	10 x 16.5

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Skid Steer Loaders



		SW20	SW21
ENGINE		UNIT	
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.	
CAPACITY		UNIT	
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
PERFORMANCE		UNIT	
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
DIMENSIONS		UNIT	
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	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

SKID STEER LOADERS

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Skid Steer Loaders



SW24



SW28



SW32

SKID STEER LOADERS

		SW24	SW28	SW32
ENGINE		UNIT		
Max. operating power at operating speed	hp rpm	74 @ 2,500	74 @ 2,500	100 @ 2,500
Engine type		Kohler KDI 3404 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.		
CAPACITY		UNIT		
Rated Operating Capacity (ROC) @ 50%	lbs	2,400	2,800	3,200
Tipping load	lbs	4,800	5,600	6,400
Fuel tank capacity	gal	40	40	40
Hydraulic tank capacity	gal	3.4	3.4	3.4
PERFORMANCE		UNIT		
Max travel speed, single / two-speed	mph	7.2 / 11.9	7.2 / 11.9	7.2 / 11.9
Aux. hydraulic flow rate - low / high	gpm	22.1 / 31.7	22.1 / 31.7	22.1 / 31.7
Aux. hydraulic pressure	psi	3,500	3,500	3,500 (HF-3,500/4,000 switchable)
DIMENSIONS		UNIT		
Overall length w/std. bucket / w/o bucket	in	145.4 / 117.5	145.4 / 117.5	145.4 / 117.5
Overall width	in	71.9	71.9	71.9
Overall height	in	83.2	83.2	83.2
Hinge pin height	in	126.8	134.8	134.8
Ground clearance	in	9	9	9
Dump angle at max. height	deg	44	44	44
Reach at max. height	in	29.7	37.4	37.4
Breakout force	lbf	6,941	6,941	9,005
Angle of departure	deg	23	23	23
Operating weight	lbs	7,840	8,175	8,629
Standard tires		12x16.5	12x16.5	12x16.5

CONCRETE
TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Compact Track Loaders



		ST28	ST31	ST35
ENGINE		UNIT		
Max. operating power at operating speed	hp rpm	74 @ 2,750	74 @ 2,750	74 @ 2,500
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 3404 with DOC, liquid-cooled, 4-cylinder, turbo diesel engine.
CAPACITY		UNIT		
Rated Operating Capacity (ROC) @ 50% / 35%	lbs	2,800 / 1,960	3,100 / 2,170	3,500 / 2,450
Tipping load	lbs	5,600	6,200	7,000
Fuel tank capacity	gal	30.1	30.1	40
Hydraulic tank capacity	gal	2.6	2.6	3.4
PERFORMANCE		UNIT		
Max travel speed, single / two-speed	mph	7 / 9.5	7 / 9.5	6.4 / 0 – 9.6
Aux. hydraulic flow rate - low / high	gpm	20 / 30	20 / 30	22.1 / 31.7
Aux. hydraulic pressure	psi	3,500	3,500	3,500
DIMENSIONS		UNIT		
Overall length w/std. bucket / w/o bucket	in	136.6 / 106.6	136.6 / 106.6	145.4 / 117.5
Overall width	in	67.1	67.1	78.0
Overall height	in	83.0	83.0	83.2
Hinge pin height	in	119.6	125.5	126.8
Ground clearance	in	9.1	9.1	9
Dump angle at max. height	deg	42	42	44
Reach at max. height	in	29.3	39.2	30.5
Breakout force	lbf	5,300	5,300	6,941
Angle of departure	deg	30.7	30.7	27
Operating weight	lbs	7,829	8,095	9,879
Track width / length on ground	in	12.6 / 57.2	12.6 / 57.2	17.7 / 63.2
Ground pressure	psi	5.4	5.6	4.4

COMPACT TRACK LOADERS

CONCRETE TECHNOLOGY

COMPACTION

UTILITY

DUMPERS

EXCAVATORS

LOADERS

Compact Track Loaders



ST45



ST50

ST45

ST50

ENGINE		UNIT	
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.	
CAPACITY		UNIT	
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	40	40
Hydraulic tank capacity	gal	3.4	3.4
PERFORMANCE		UNIT	
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)
DIMENSIONS		UNIT	
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	lbf	6,941	9,017
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

COMPACT TRACK LOADERS

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LOADERS

Wheel Loaders



5055



8085



8085T

All-Wheel Steer Wheel Loaders

ALL-WHEEL STEER WHEEL LOADERS

		5055		8085		8085T	
ENGINE		UNIT					
Max. operating power at operating speed	hp rpm	46 @ 2,800		74.3 @ 2,300		74.3 @ 2,300	
Engine type		Yanmar 4TNV88C, liquid-cooled, 4-cylinder, turbo diesel engine.		Deutz TCD 2.9, liquid-cooled, 4-cylinder, turbo diesel engine.		Deutz TCD 2.9, liquid-cooled, 4-cylinder, turbo diesel engine.	
CAPACITY		UNIT		CANOPY		CAB	
Straight tipping load (bucket)	lbs	5,159		5,159		8,047	
Rated Operating Capacity (Bucket - 50%)	lbs	2,580		2,580		4,024	
Rated Operating Capacity (Fork)	lbs						
- hard surface (80%)		4,127		4,127		6,438	
- rough terrain (60%)		3,095		3,095		4,828	
Bucket capacity	yd³	0.85		1.11		1.11	
Fuel tank capacity	gal	15.9		22.5		22.5	
Hydraulic tank capacity	gal	15.3		13.2		13.2	
PERFORMANCE		UNIT					
Travel speed 2 speed	mph	0 – 12.4 / 0 – 18.6		0 – 12.4 / 0 – 24.9		0 – 12.4 / 0 – 24.9	
Aux. hydraulic flow rate	gpm	13.2 / 23.8**		17.2 / 23.8**		17.2 / 23.8**	
Pressure	psi	2,175 / 2,286**		2,489 / 2,560**		2,489 / 2,560**	
DIMENSIONS		UNIT					
Overall length with bucket	in	194.9		207.9		231.9	
Overall width	in	62.7		70.1		70.1	
Height of cab*	in	94		98		102.4	
Hinge pin height	in	120		129.5		184.6***	
Loading height (ext.)	in	–		–		178	
Breakout force	lbf	5,620		9,577		11,465	
Operating weight Cab / Canopy	lbs	7,938 / 7,607		10,472		12,125	
Standard tires		12x18 A-317 (12.4 mph model) 340/80 R18 (18.6 mph model)		12.5-20 MPT-04		12.5-20 MPT-04	

* In the event of deviating tires or reversed wheel rims the dimensions will change. **High Flow. ***Boom extended.

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LOADERS

Wheel Loaders



WL28



WL34



WL38

Articulated Wheel Loaders

		WL28		WL34		WL38	
ENGINE		UNIT					
Max. operating power at operating speed		hp	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.
CAPACITY		UNIT	P Kinematics	PZ Kinematics	CANOPY	CAB	CAB
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	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	3,880 2,910	4,695 3,521
Bucket capacity		yd ³	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
PERFORMANCE		UNIT					
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
DIMENSIONS		UNIT					
Overall length with bucket		in	178.0 / 182.3		197.2		203.1
Overall width		in	44.4 / 54.9		61.0		61.8
Overall height*		in	91.8 / 92.5		93.7 / 95.3		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.

Wheel Loaders



WL52



WL60

Articulated Wheel Loaders

WL52

WL60

ENGINE		UNIT		
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.
CAPACITY - CAB		UNIT		
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
PERFORMANCE		UNIT		
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
DIMENSIONS		UNIT		
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.

Wheel Loaders



Articulated Wheel Loaders

WL95

ENGINE		UNIT	
Max. operating power at operating speed	hp rpm		136 @ 2,300
Engine type			Deutz TCD 3.6, liquid-cooled, 4-cylinder, turbo diesel engine.
CAPACITY		UNIT	
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
PERFORMANCE		UNIT	
Travel speed, two-speed	mph		0 - 24.9
Aux. hydraulic flow rate - standardt - high flow	gpm		39.6 -
Pressure	psi		3,626
DIMENSIONS		UNIT	
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, **Boom straight (retracted).

Telehandler

TH412



TH627



TELEHANDLERS

		TH412	TH627
ENGINE		UNIT	
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.
CAPACITY		UNIT	
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
PERFORMANCE		UNIT	
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
DIMENSIONS		UNIT	
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

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