



DITCH WITCH SK650, SK500, SK350, ZAHN® R300, ZAHN R230

TOOL CARRIERS

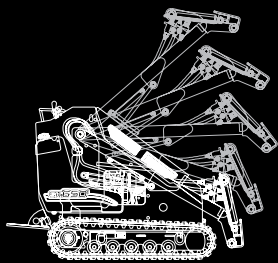


MORE THAN A MACHINE. OR A TOOL. OR A TRENCHER. **DITCH WITCH.**



DITCH WITCH SK650 Mini Skid Steer

The SK650's powerful 31.5-hp (23.5-kW) Kubota diesel engine and hydraulic system give it more power for its size than any machine in its class—in a compact package that's easy to tow and easy to maneuver. And with a formidable 20 net horsepower (15 kW) to the front end, attachments are more productive, too.



SPECIFICATIONS

DIMENSIONS	U.S.	METRIC
Overall Length	82 in	2.08 m
Overall Height	53 in	1.35 m
Width, min. to max.	35 in - 42 in	889 mm - 1.07 m

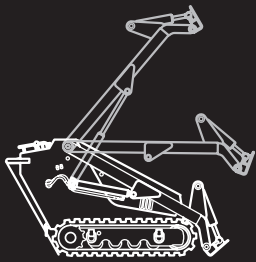


KEY FEATURES

- (Photograph A) Auxiliary valve contains a float section for better performance of attachments that follow the contour of the ground.
- Pilot-operated ground drive controls provide highly responsive steering with little or no vibration feedback, increasing operator comfort and productivity.
- Equipped with quick-disconnect manifold so attachments can be changed easily and quickly.
- (Photograph B) The stand-on platform keeps operators out of mud and debris and reduces fatigue.
- Available with your choice of aggressive tracks for better traction or turf-friendly tracks for reduced jobsite restoration.
- Like all members of the SK line, the SK650's controls are simple and easy to use.
- Greater lift and dump heights than competitors, so it can dump into vehicles that others can't, increasing its versatility.
- Diesel and hydraulic tanks are on either side of the machine frame, so you don't have to raise the hood to refuel or top off the hydraulic fluid.

DITCH WITCH SK500 Mini Skid Steer

With a 36-inch trim waistline, the SK500 can go places bigger equipment just won't fit. Its powerful Honda engine and hydraulic system give it the muscle to do the jobs of much larger machines. And with more than 70 available attachments, this machine can do just about anything, just about anywhere.



SPECIFICATIONS

DIMENSIONS	U.S.	METRIC
Overall Length	72.5 in	1.84 m
Overall Height	42.5 in	1.08 m
Width, min. to max.	35.5 in - 42 in	902 mm - 1.07 m

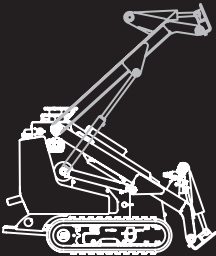


KEY FEATURES

- Simple operator interface; only four levers control all functions.
- (Photograph A) Independent hydraulic circuits help the SK500 turn tightly for increased job productivity, mobility and accessibility; at just 36" (914 mm) wide, it will easily work in areas larger machines can't.
- The greatest dump height, dump angle, and hinge pin height in its class.
- Pilot-control valve for ground drive provides highly-responsive steering with little or no vibration feedback, increasing operator comfort and productivity.
- Rubber tracks and high ground clearance increase unit agility and decrease ground pressure.
- (Photograph B) Equipped with quick-disconnect manifold so attachments can be changed easily and quickly.

DITCH WITCH SK350 Mini Skid Steer

At less than 36 inches wide, the SK350 can go just about anywhere you need it to. But with twice the hydraulic flow of other machines its size, it does the same work as much larger machines. And with more than 70 available attachments, the SK350 has the versatility you need.



SPECIFICATIONS

DIMENSIONS	U.S.	METRIC
Overall Length	58.2 in	1.48 m
Overall Height	42.5 in	1.08 m
Width, min. to max.	32 in - 35.1 in	813 mm - 892 mm

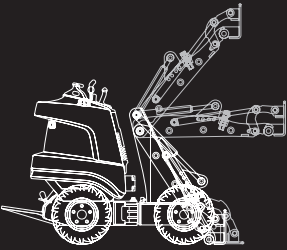


KEY FEATURES

- 7.5-gallon (28-L) fuel tank provides up to 5 hours of operation, so you can finish most jobs without refueling.
- Greater lift and dump heights than the competition's, so it can dump into vehicles that others can't, increasing its versatility.
- (Photograph A) Exterior-mounted gas and hydraulic tanks allow you to refuel or add hydraulic fluid without raising the hood.
- (Photograph B) Auxiliary valve contains a float section for better performance of attachments that follow the contour of the ground.
- Provides highly responsive steering with little or no vibration feedback, increasing operator comfort and productivity.
- Equipped with quick-disconnect manifold so attachments can be changed easily and quickly.
- Like all members of the SK line, the SK350's controls are simple and easy to use.
- The stand-on platform keeps operators out of mud and debris and reduces fatigue.

THE ZAHN Tool Carrier

With a front-end tool carrier, the R300 and R230 are the most versatile members of the Zahn® family. The Zahn tool carrier is capable of driving more than 40 quick-change attachments. And with the Zahn's elevated platform, you'll have a bird's-eye view of the task at hand.



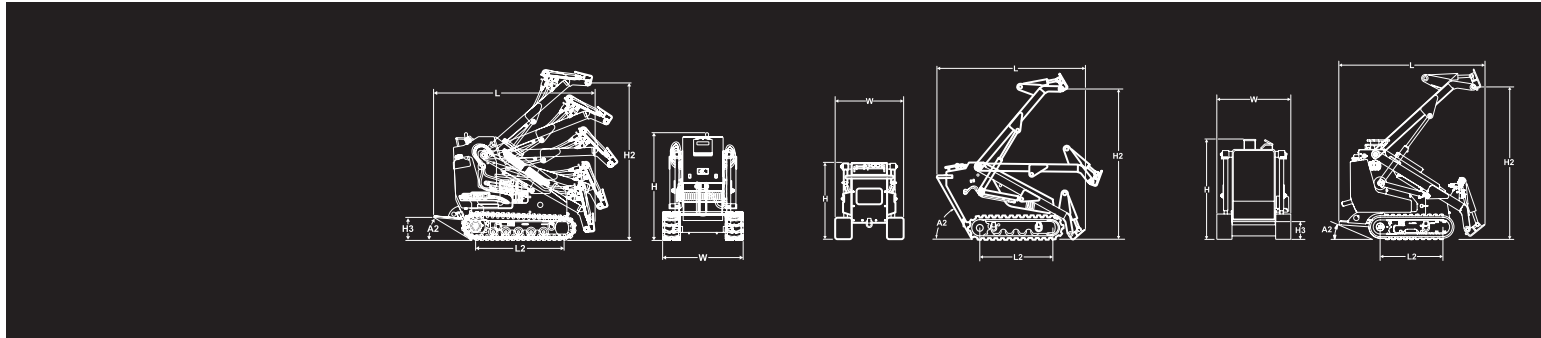
SPECIFICATIONS

DIMENSIONS	U.S.	METRIC
Mobile Length	91.5 in	2.32 m
Mobile Height	53.5 in	1.36 m
Width	36 in	914 mm



KEY FEATURES

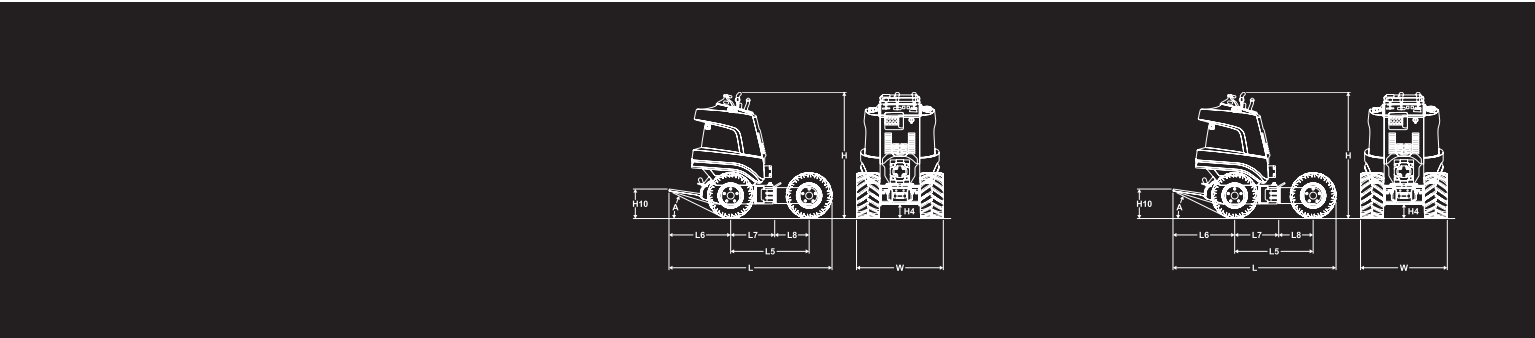
- A 73-inch (1.85 m) hinge pin height provides the flexibility to perform an extensive range of tasks.
- 4-bar linkage on bucket curl increases rollback and dump angles so you can move materials more efficiently.
- (Photograph A) Units have an exclusive traction-assist feature that provides extra drawbar on demand, enabling the operator to push more, pull more, and traverse soft ground with minimal tire slippage.
- (Photograph B) Standard mini skid steer-type attachment plate provides maximum versatility by enabling the tool carrier to accept more than 40 quick-change attachments.
- The Zahn tool carrier's self-leveling kit—an exclusive feature in this class—is standard equipment and ensures that the attachment is level, so work can be more accurate and efficient .
- 11-gallon (41.6 L) fuel tank enables the operator to work all day without having to refuel; the tank's molded-in sight glass allows the operator to keep an eye on fuel consumption.
- Standard cruise control, which locks in operating speeds, reduces operator fatigue and increases productivity.
- Soft-touch, color-coded, ergonomic controls are easy to grip, easy to learn, and provide smooth, easy operation.
- Convenient cargo tray is large enough to store a water bottle, work gloves, cell phone or assorted tools.



SPECIFICATIONS	SK650		SK500		SK350	
DIMENSIONS	U.S.	METRIC	U.S.	METRIC	U.S	METRIC
H OVERALL HEIGHT	53 IN	1.35 M	42.5 IN	1.08 M	42.5 IN	1.08 M
L OVERALL LENGTH	82 IN	2.08 M	72.5 IN	1.84 M	58.2 IN	1.48 M
WIDTH (EXCLUDING TRACKS)	35 IN	889 MM	35.5 IN	901.7 MM	32 IN	813 MM
WEIGHT	2630 LB	1193 KG	2270 LB	1030 KG	1660 LB	753 KG
H2 HINGE PIN HEIGHT, MAX.	81 IN	2.06 M	81.1 IN	2.06 M	70.4 IN	1.79 M
L2 WHEELBASE/TRACK LENGTH	43 IN	1.09 M	40 IN	1.02 M	30 IN	762 MM
W TRACK WIDTH, MAX.	42 IN	1.07 M	42 IN	1.07 M	35.1 IN	892 MM
GROUND CLEARANCE (CENTER/SIDE)	6.7 IN/4.9 IN	170 MM/125 MM	6.5 IN/4.0 IN	165 MM/102 MM	4.0 IN/2.5 IN	101 MM/64 MM
H3 PLATFORM HEIGHT	10 IN	254 MM	N/A		7.5 IN	191 MM
TIPPING CAPACITY	1860 LB	844 KG	1450 LB	658 KG	1030 LB	467 KG
RATED OPERATING CAPACITY (35% OF TIPPING CAPACITY)	650 LB	295 KG	500 LB	227 KG	350 LB	158 KG
A2 ANGLE OF DEPARTURE	23°		27°		18°	
OPERATION						
GROUND DRIVE SPEED						
FORWARD	4.0 MPH	6.4 KM/H	3.6 MPH	5.8 KM/H	3.0 MPH	4.8 KM/H
REVERSE	4.0 MPH	6.4 KM/H	2.3 MPH	3.7 KM/H	3.0 MPH	4.8 KM/H
GROUND PRESSURE						
7-INCH (180 MM) TRACKS	4.7 PSI	0.33 BAR	3.9 PSI	0.27 BAR	4.0 PSI	0.28 BAR
9-INCH (230 MM) TRACKS	3.7 PSI	0.26 BAR	3.1 PSI	0.21 BAR	N/A	
HYDRAULIC SYSTEM						
AUXILIARY: GEAR PUMP	13.5 GPM	51 L/MIN	12 GPM	45.4 L/MIN	12 GPM	45.4 L/MIN
PRESSURE	3000 PSI	207 BAR	2500 PSI	172 BAR	2300 PSI	158 BAR
GROUND DRIVE: DUAL HYDROSTAT						
FLOW RATE	16.5 GPM	62 L/MIN	12.5 GPM	47 L/MIN	11 GPM	42 L/MIN
PRESSURE	2500 PSI	172 BAR	2500 PSI	172 BAR	2330 PSI	162 BAR
POWER						
ENGINE	KUBOTA D1105-T		HONDA GX670/KOHLER CH740		KOHLER CH20	
FUEL	DIESEL		GASOLINE/GASOLINE		GASOLINE	
COOLING MEDIUM	LIQUID		AIR/AIR		AIR	
NUMBER OF CYLINDERS	3		2/2		2	
DISPLACEMENT	68.5 IN³	1.12 L	40.9 IN³/44 IN³	670 CM³/721 CM³	38 IN³	624 CM³
BORE	3.07 IN	78 MM	3.0 IN/3.3 IN	76 MM/84 MM	3.03 IN	77 MM
STROKE	3.09 IN	78.4 MM	2.8 IN/2.6 IN	71 MM/66 MM	2.64 IN	67 MM
MANUFACTURER'S GROSS POWER RATING*	32.8 HP	24.5 KW	24 HP/27 HP	17.7 KW/20.1 KW	20 HP	14.9 KW
ESTIMATED NET POWER**	31.5 HP	23.5 KW	24 HP	17.7 KW	20 HP	14.9 KW
RATED SPEED	3000 RPM		3600 RPM		3600 RPM	



SPECIFICATIONS	SK650		SK500		SK350	
FLUID CAPACITIES	U.S.	METRIC	U.S.	METRIC	U.S	METRIC
FUEL TANK	8 GAL	30.3 L	6 GAL	22.7 L	8 GAL	30.3 L
ENGINE OIL	4.2 QT	4 L	1.5 QT	1.4 L	2 QT	1.9 L
HYDRAULIC RESERVOIR	7 GAL	26.5 L	6 GAL	23 L	7 GAL	26.5 L
BATTERY						
SAE RESERVE CAPACITY RATING	110 MIN		180 MIN		41 MIN	
SAE COLD CRANK RATING @ 0° F (-18° C)	800 AMPS		500 AMPS		340 AMPS	
ELECTRICAL SYSTEM	12V		12V		12V	

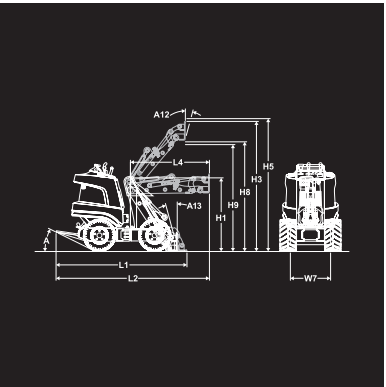


SPECIFICATIONS				R300				R230			
DIMENSIONS*				U.S.	METRIC	U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
L	MOBILE LENGTH			70 IN	1.78 M	70 IN	1.78 M	70 IN	1.78 M	70 IN	1.78 M
L5	WHEELBASE			34.2 IN	869 MM	34.2 IN	869 MM	34.2 IN	869 MM	34.2 IN	869 MM
L6	TRACTOR BACK TO REAR AXLE			26.8 IN	681 MM	26.8 IN	681 MM	26.8 IN	681 MM	26.8 IN	681 MM
L7	REAR AXLE TO ATTACHMENT MOUNTING			19.2 IN	488 MM	19.2 IN	488 MM	19.2 IN	488 MM	19.2 IN	488 MM
L8	ATTACHMENT MOUNTING TO FRONT AXLE			15.0 IN	381 MM	15.0 IN	381 MM	15.0 IN	381 MM	15.0 IN	381 MM
H	MOBILE HEIGHT			53.5 IN	1.36 M	53.5 IN	1.36 M	53.5 IN	1.36 M	53.5 IN	1.36 M
H4	GROUND CLEARANCE			5.3 IN	135 MM	5.3 IN	135 MM	5.3 IN	135 MM	5.3 IN	135 MM
H10	PLATFORM HEIGHT			10.7 IN	272 MM	10.7 IN	272 MM	10.7 IN	272 MM	10.7 IN	272 MM
W	WIDTH			36 IN	914 MM	36 IN	914 MM	36 IN	914 MM	36 IN	914 MM
A	ANGLE OF DEPARTURE			25°		25°		25°		25°	
MASS				1290 LB	585 KG	1290 LB	585 KG	1290 LB	585 KG	1290 LB	585 KG
VEHICLE CLEARANCE CIRCLE (SAE)											
	WALL TO WALL										
	RIGHT TURN, 18 X 9.5-8 TIRES			11.3 FT	3.44 M	11.3 FT	3.44 M	11.3 FT	3.44 M	11.3 FT	3.44 M
	LEFT TURN, 18 X 9.5-8 TIRES			10.5 FT	3.20 M	10.5 FT	3.20 M	10.5 FT	3.20 M	10.5 FT	3.20 M
OPERATION											
GROUND DRIVE SPEED, FORWARD											
	LOW			3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H
	HIGH			5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H
GROUND DRIVE SPEED, REVERSE											
	LOW			3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H	3.5 MPH	5.6 KM/H
	HIGH			5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H	5.9 MPH	9.5 KM/H
POWER PLANT											
ENGINE				KOHLER CH750S		KOHLER CH23S		KOHLER CH23S		KOHLER CH23S	
FUEL				GASOLINE		GASOLINE		GASOLINE		GASOLINE	
COOLING MEDIUM				AIR		AIR		AIR		AIR	
NUMBER OF CYLINDERS				2		2		2		2	
DISPLACEMENT				45.6 IN³	747 CC	41.1 IN³	674 CC	41.1 IN³	674 CC	41.1 IN³	674 CC
BORE				3.30 IN	83 MM	3.15 IN	80 MM	3.15 IN	80 MM	3.15 IN	80 MM
STROKE				2.70 IN	69 MM	2.64 IN	67 MM	2.64 IN	67 MM	2.64 IN	67 MM
MANUFACTURER'S POWER RATING				30 HP	22.4 KW	23 HP	17.2 KW	23 HP	17.2 KW	23 HP	17.2 KW
RATED SPEED				3600 RPM		3600 RPM		3600 RPM		3600 RPM	
POWER TRAIN											
PARKING BRAKE				MECHANICAL, HAND OPERATED		MECHANICAL, HAND OPERATED		MECHANICAL, HAND OPERATED		MECHANICAL, HAND OPERATED	
SERVICE BRAKE				GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION		GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION		GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION		GROUND DRIVE SPEED/DIRECTION CONTROL BRAKES MACHINE HYDRAULICALLY WHEN MOVED TO NEUTRAL POSITION	



SPECIFICATIONS				R300				R230			
TIRES/PRESSURE				U.S.	METRIC	U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
18 X 9.5-8, 2 PLY, BAR LUG				12 PSI	82.7 KPA	12 PSI	82.7 KPA	12 PSI	82.7 KPA	12 PSI	82.7 KPA
TIRE ASSEMBLY MASS				22 LB	9.98 KG	22 LB	9.98 KG	22 LB	9.98 KG	22 LB	9.98 KG
URETHANE FILLED 18 X 9.5-8, 2 PLY, BAR LUG				N/A		N/A		N/A		N/A	
TIRE ASSEMBLY MASS				36 LB	16.33 KG	36 LB	16.33 KG	36 LB	16.33 KG	36 LB	16.33 KG
URETHANE FILLED 20 X 10-8, PLY, BAR LUG				N/A		N/A		N/A		N/A	
TIRE ASSEMBLY MASS				49 LB	22.23 KG	49 LB	22.23 KG	49 LB	22.23 KG	49 LB	22.23 KG
18 X 8.5-8, PLY, TURF				22 PSI	151.7 KPA	22 PSI	151 KPA	22 PSI	151 KPA	22 PSI	151 KPA
TIRE ASSEMBLY MASS				20 LB	9.07 KG	20 LB	9.07 KG	20 LB	9.07 KG	20 LB	9.07 KG
HYDRAULIC SYSTEM											
AUXILIARY: GEAR PUMP											
FLOW RATE				12 GPM	46 L/MIN	12 GPM	46 L/MIN	12 GPM	46 L/MIN	12 GPM	46 L/MIN
PRESSURE				3000 PSI	207 BAR	3000 PSI	207 BAR	3000 PSI	207 BAR	3000 PSI	207 BAR
GROUND DRIVE: HYDROSTAT											
FLOW RATE				19.3 GPM	73 L/MIN	19.3 GPM	73 L/MIN	19.3 GPM	73 L/MIN	19.3 GPM	73 L/MIN
PRESSURE				3500 PSI	241 BAR	3500 PSI	241 BAR	3500 PSI	241 BAR	3500 PSI	241 BAR
FLUID CAPACITIES											
FUEL TANK				10.9 GAL	41.3 L	10.9 GAL	41.3 L	10.9 GAL	41.3 L	10.9 GAL	41.3 L
ENGINE OIL, INCLUDING FILTER				2 QT	1.9 L	2 QT	1.9 L	2 QT	1.9 L	2 QT	1.9 L
HYDRAULIC RESERVOIR				7.7 GAL	29.1 L	7.7 GAL	29.1 L	7.7 GAL	29.1 L	7.7 GAL	29.1 L
TOTAL HYD. SYSTEM VOLUME				8.5 GAL	32.2 L	8.5 GAL	32.2 L	8.5 GAL	32.2 L	8.5 GAL	32.2 L
BATTERY											
SAE RESERVE CAPACITY RATING				32 MIN		32 MIN		32 MIN		32 MIN	
SAE COLD CRANK RATING @ 0° F (-18° C)				200 AMPS		200 AMPS		200 AMPS		200 AMPS	

ZAHN HIGH-LIFT TOOL CARRIER





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