

SPECIFICATIONS, SK850 FOOTINGS

	U.S.	METRIC
DIMENSIONS*		
Trench depth, max	36 in	914 mm
Angle of approach	30°	
Angle of departure	27°	
Trench width, min to max	6-16 in	152-406 mm
Boom travel, up/down	60°	
Centerline trench to outside edge of unit, left	4-20 in	101-508 mm
Centerline trench to outside edge of unit, right	21-37 in	533-940 mm
Headshaft height, digging chain	23 in	584 mm
Height	57 in	1.4 m
Headshaft overhang	18 in	457 mm
Length, transport	124 in	3.15 m
Wheelbase	43 in	1.1 m
Width, transport	42 in	1.1 m
Tread	33.1 in	841 mm
Ground clearance	8.9 in	226 mm
POWER		
Engine	Yanmar® 3TNV88C	
Fuel	Diesel	
Emissions compliance	EPA Tier 4 Final	EU Stage IIIA
Number of cylinders	3	
Displacement	100.1 in ³	1.64 L
Bore	3.46 in	88 mm
Stroke	3.54 in	90 mm
Manufacturer's gross power rating	36.9 hp	27.5 kW
Estimated net power rating	35.1 hp	26.2 kW
Rated engine speed	3,000 rpm	
Tilt angle, fore and aft, max**	30°	
Tilt angle, side to side, max**	30°	

*Dimensions are based on TR50 attachment and 24" boom. **Exceeding these operating angles will cause engine damage. This does not imply that the machine is stable to maximum angle of safe engine operation. ***Operating weight based on TR50 attachment with 24" boom, 16" wide chain and 175-lb (79-kg) operator. Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

	U.S.	METRIC
OPERATION		
Ground drive speed, max		
Forward/reverse	4.7 mph	7.6 km/h
Digging chain speed @ 3,000 rpm engine speed, max	402 fpm	122.5 m/min
Vehicle clearance circle (SAE)	21.8 ft	6.7 m
Operating weight***	3,840 lbs	1742 kg
Headshaft speed @ 2,300 rpm engine speed, max	210 rpm	
Auger: single, tapered, w/outboard support bearing		
Diameter, max	10 in	254 mm
Diameter, min	9 in	229 mm
Length	20 in	508 mm
HYDRAULIC SYSTEM		
Auxiliary circuit		
Double gear pump		
Flow rate (Pump #1)	8.8 gpm	33 l/min
Flow rate (Pump #2)	5.1 gpm	20 l/min
Pressure	3,625 psi	250 bar
Ground drive		
Dual hydrostat		
Flow rate	15 gpm	56.8 l/min
Pressure	3,625 psi	250 bar
FLUID CAPACITIES		
Fuel tank	10.5 gal	39.7 L
Engine oil, initial	5 gal	18.9 L
Hydraulic reservoir	9.2 gal	34.8 L
Hydraulic system	11.55 gal	43.7 L
BATTERY		
SAE reserve capacity rating	110 min	
SAE cold crank @ 0°F (-18°C)	800 amps	
Electrical system	12V	
NOISE LEVEL		
Operator ear sound pressure	91 dBA	
Exterior sound power	104 dBA	
VIBRATION LEVEL		
During normal trenching operation, vibration transmitted to the operator's:		
Hand	32.2 ft/sec ²	9.82 m/sec ²
Whole body	6.2 ft/sec ²	1.9 m/sec ²