

RT45 RIDE-ON TRENCHER

DIMENSIONS	U.S.	METRIC
Height	86 in	2.18 m
Length, transport	155 in	3.9 m
Width	64 in	1.6 m
Basic unit weight	3,240 lb	1470 kg
Wheelbase	48 in	1.22 m
Spoil discharge reach, min to max	17-20 in	430-510 mm
Tread	46 in	1.2 m
Ground clearance	7 in	180 mm

POWER (TIER 4)	U.S.	METRIC
Engine	Duetz® D2.9 L4	
Fuel	Diesel	
Cooling medium	Water	
Injection	Direct	
Aspiration	Natural	
Number of cylinders	4	
Displacement	177 in ³	2.9 L
Bore	3.6 in	92 mm
Stroke	4.3 in	110 mm
Gross power	49 hp	36.5 kW
Rated speed	2,600 rpm	
Emissions compliance	EPA Tier 4	EU Stage IIIA

POWER (TIER 4i)	U.S.	METRIC
Engine	Deutz D2011L3	
Fuel	Diesel	
Cooling medium	Oil	
Injection	Direct	
Aspiration	Natural	
Number of cylinders	3	
Displacement	142 in ³	2.3 L
Bore	3.7 in	94 mm
Stroke	4.41 in	112 mm
Manufacturer's gross power rating (SAE J1995)	42.2 hp	31.5 kW
Rated speed	2,300 rpm	
Emissions compliance (LRC)	EPA Tier 4i	EU Stage IIIA

POWER TRAIN	U.S.	METRIC
Ground drive transmission	Hydrostatic drive, infinitely variable from zero to maximum, foot-pedal and hand-lever operated speed/direction control	
Differentials	Dana model 44, limited slip; Dana model 60, limited slip	
Parking brake	Disc, hand-operated	
Service brake	Ground drive speed/direction control brakes machine hydraulically when moved to neutral position	
Attachment drive transmission	Hydrostatic, lever operated, speed infinitely variable from zero to maximum forward w/limited stroke reverse	
Trencher drive transmission	Hydrostatic	

OPERATION	U.S.	METRIC
Forward speed, max	4.7 mph	7.6 km/h
Reverse speed, max	2.7 mph	4.4 km/h
Vehicle clearance circle		
Front steer only	28 ft	8.5 m
Coordinated steer only	20 ft	6.1 m
Digging chain speed, max (2,600 rpm engine speed)	460 fpm	140 m/min
Operating weight	5,375 lb	2438 kg
Headshaft speed, max (2,600 rpm engine speed)	233 rpm	233 r/min

HYDRAULIC SYSTEM @ 2,600 RPM	U.S.	METRIC
Ground drive pump capacity	31.5 gpm	119 l/min
Ground drive pump relief pressure	3,650 psi	252 bar
Attachment drive		
Trencher	5,000 psi	345 bar
Plow/saw	3,750 psi	259 bar
Attachment pump capacity	31.5 gpm	119 l/min
Auxiliary pump capacity	11.5 gpm	44 l/min
Auxiliary pump relief pressure	2,100 psi	145 bar

HYDRAULIC SYSTEM TIER (4) @ 2,300 RPM	U.S.	METRIC
Ground drive pump capacity	29.3 gpm	111 l/min
Ground drive pump relief pressure	3,750 psi	258 bar
Attachment drive		
Trencher	5,000 psi	345 bar
Plow/saw	3,750 psi	259 bar
Attachment pump capacity	29.3	111 l/min
Auxiliary pump capacity	10.2 gpm	39 lpm
Auxiliary pump relief pressure	2,500 psi	172 bar

NOISE LEVEL	U.S.	METRIC
Operator	96 dBA sound pressure per ISO 6394	
Exterior	108 dBA sound power per ISO 6393	

FLUID CAPACITIES	U.S.	METRIC
Fuel tank	13 gal	49 L
Engine oil	6.4 qt	6.1 L
Hydraulic system	13 gal	49 L
Hydraulic reservoir	9.5 gal	36 L
Coolant	3 gal	11 L

BACKFILL BLADE	U.S.	METRIC
Blade width	64 in	1.6 m
Blade height	14 in	355 mm
Lift height, above ground	12 in	300 mm
Blade drop, below ground	8 in	200 mm
Swing angle, max		
Left/right	28°	
Tilt angle		
Up/down	11°	

TIRES/PRESSURE	U.S.	METRIC
26 x 12-12, 4-ply bar lug	1,780 lb @ 20 psi	807 kg @ 1.40 bar
29 x 12.50-15, 8-ply bar lug (optional)	2,150 lb @ 30 psi	975 kg @ 2.07 bar

BATTERY**U.S.****METRIC**

Group 26/26R/70

SAE reserve capacity rating 165 min

Cold crank rating @ 0°F (-18°C) 850 amps

Auxiliary power outlet 12V, 5 amps

* Dimensions are based on H313 attachment and shortest roller boom length, 26 x 12.00-12 standard tire and wheel and 12-inch pivot.

** Operating weight based on H313 attachment, longest roller boom, heaviest chain, 175-lb operator, and 26 x 12.00-12 tires.

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.