



SPECIFICATIONS, RT45

DIMENSIONS

	U.S.	METRIC
Trench depth, max.	63 in	1.6 m
Angle of approach: 20°		
Angle of departure: 17°		
Trench width, min. to max	6 in - 12 in	150 mm - 300 mm
Boom angle, down: 58°		
Boom angle, up: 50°		
Centerline of trench to outside edge		
Left, min.	35 in	890 mm
Right, min.	29 in	740 mm
Headshaft height, digging chain	17 in	430 mm
Height	86 in	2.18 m
Headshaft overhang	24.5 in	620 mm
Length, transport	155 in	3.94 m
Wheelbase	48 in	1.22 m
Spoil discharge reach, min. to max.	17 in - 20 in	430 mm - 510 mm
Width	64 in	1.63 m
Tread	46 in	1.17 m
Ground clearance	7 in	180 mm

OPERATION*

	U.S.	METRIC
Forward speed, max.	4.3 mph	6.9 km/h
Reverse speed, max.	2.7 mph	4.4 km/h
Vehicle clearance circle (SAE)		
Front steer only	28 ft	8.53 m
Coordinated steer only	20 ft	6.1 m
Basic unit weight	4200 lb	1910 kg
Maximum digging chain speed	420 fpm	128 m/min

BACKFILL BLADE

	U.S.	METRIC
Blade width	64 in	1.63 m
Blade height	14 in	355 mm
Lift height, above ground	12 in	300 mm
Blade drop, below ground	8 in	200 mm
Maximum swing angle, left/right: 28 °		
Tilt angle, up/down: 11°		

POWER

	U.S.	METRIC
Engine: Deutz D2011L3i		
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	4.4 in	112 mm
Manufacturer's gross power rating (SAE J1995)	42.2 hp	31.5 kW
Estimated net power rating (SAE J1349)	39 hp	29 kW
Rated speed: 2300 rpm		
Emissions compliance	EPA Tier 4i	EU Stage IIIa

POWER TRAIN

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 (optional); Dana Model 60, limited slip (optional)

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 with limited stroke reverse

Trencher drive transmission: Hydrostatic

TIRES/PRESSURE

26 x 12.00-12, 4-ply bar lug

U.S.

20 psi

METRIC

138 kPa

29 x 12.50-15, 4-ply bar lug (optional)

30 psi

207 kPa

HYDRAULIC SYSTEM @ 2300 RPM

U.S.

METRIC

Ground drive pump capacity

29.3 gpm

111 L/min

Ground drive pump relief pressure

3750 psi

258 bar

Attachment drive, trencher

5000 psi

345 bar

Attachment drive, plow/saw

3750 psi

259 bar

Attachment pump capacity

29.3 gpm

111 L/min

Auxiliary pump capacity

10.2 gpm

39 L/min

Auxiliary pump relief pressure

2500 psi

172 bar

Filtration: 25 psi (1.7 bar) return/charge pump;

15 psi (1 bar) bypass, 10 micron

FLUID CAPACITIES

U.S.

METRIC

Fuel tank

13 gal

49 L

Engine oil

8 qt

7.6 L

Hydraulic system

13 gal

49 L

Hydraulic reservoir

9.5 gal

36 L

BATTERY

Group: 26/26R/70

SAE reserve capacity rating: 110 min

SAE cold crank rating @ 0° F (-18° C): 800 A

Auxiliary power outlet: 12V, 5 A

*Based on shortest boom with 6-in (152 mm) wide, 4-pitch chain and 175-lb (70 kg) operator.