



SPECIFICATIONS, RT40

26 X12.00-12 with H313 trencher

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
Overhang, beyond tire	3.5 in	90 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
Maximum forward speed	4.3 mph	6.9 km/h
Maximum reverse speed	2.7 mph	4.4 km/h
Maximum trenching speed, @ full load (varies with soil conditions)	150 fpm	45.72 m/min
Vehicle clearance circle (SAE):		
Front steer only	28 ft	8.53 m
Coordinated steer	20 ft	6.10 m
Basic unit weight	4200 lb	1910 kg
Maximum digging chain speed	420 fpm	128.02 m/min

BACKFILL BLADE*

	U.S.	METRIC
Blade width	64 in	1.63 m
Blade height	14 in	356 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 F3M2011		
Fuel: Diesel		
Cooling medium: Oil/external		
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 2	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

29 x 12.50-15, 4-ply bar lug

U.S.

20 psi

30 psi

METRIC

138 kPa

207 kPa

HYDRAULIC SYSTEM @ 2300 RPM

Ground drive pump capacity

Ground drive pump relief pressure

Attachment drive, trencher

Attachment drive, plow/saw

Attachment pump capacity

Auxilliary pump capacity

Auxilliary pump relief pressure

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

15 psi (1 bar) bypass, 10 micron

U.S.

29.3 gpm

3750 psi

5000 psi

3750 psi

29.3 gpm

10.2 gpm

2500 psi

METRIC

111 L/min

258 bar

345 bar

259 bar

111 L/min

39 L/min

172 bar

FLUID CAPACITIES

Fuel Tank

Engine Oil

Hydraulic system

Hydraulic reservoir

Transmission: Hydrostat

U.S.

13 gal

8 qt

13 gal

9.5 gal

METRIC

49 L

7.6 L

49 L

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

*Dimensions based on H313 attachment and shortest roller boom length, 26 X 12.00-12 standard tire and wheel, and 12-in (305 mm) pivot. **Based on shortest boom with 6-in (152 mm) wide, 4-pitch chain and 175-lb (70 kg) operator.

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