

TEREX S-24B LOADRUNNER



- 81,500 lb. (36 968 kg) Rated Payload
- 24 yd³ (18.4 m³) Struck
- 34 yd³ (26.0 m³) Heaped
- 475HP (354 kW) Turbocharged Flywheel Power
- Automatic Shifting Transmission
- Front Axle Suspension System
- Power-Down Bowl and Apron
- Push-Out Ejection
- 37.5 - 33 (30 PR) E-3 Tires

SERVICE DATA

	U.S. Gal	(litres)
Cooling System	37	(140)
Crankcase (Including Filters)	10	(38)
Transmission & Converter	18	(68)
Hydraulic System (Dry Fill)	74	(280)
Drive Axle	10.8	(41)
Fuel tank (located on scraper)	240	(905)

SCRAPER (024)

CUTTING EDGE

Four section cutting edge with drop center capability. All edges are interchangeable and reversible to reduce parts stocking costs and extend service life.

BOWL

High strength alloy steel used in sides and floor for increased strength and life. Low, wide design aids loading ability. Bowl employs two, single-stage, double-acting cylinders to exert positive down pressure on the cutting edge to help penetrate hard material and load faster. Cylinders are interchangeable.

Bore and Stroke8.00 in. x 30.25 in. (203 mm x 768 mm)

Pump-Gear type96 GPM (6.06 lit/sec) @ 2100 RPM & 2250 psi (15 514 kPa)

System Relief Pressure2250 psi (15 514 kPa)

Maximum down pressure on cutting edge with bowl empty75,000 lbs. (333 600 N) (34 020 kg)

APRON

True radial design, power-closing apron operated by two double-acting cylinders. Cylinders are mounted on the outside of the bowl and act directly on the apron arms. This allows non-binding operation, constant closure force regardless of opening and maximum opening for ejection of materials. Cylinders are interchangeable.

Bore and Stroke6.25 in. x 23.75 in. (159 mm x 603 mm)

Apron closing force, any bowl position, approximately27,500 lbs. (122 300 N) (12 470 kg)

STANDARD EQUIPMENT

Air Horn	Ammeter
Air Suspension Seat	Clutch Pressure
Battery Disconnect Switch	Converter Temperature
Brake Drum Guards	Engine Oil Pressure
Cutting Edge Floodlight	Engine Temperature
Downshift Inhibitor	Hourmeter
Driveline Guards	Tachometer
Dry T-Type Air Cleaners	Muffler
Emergency & Parking Brake System (SAE J319B)	Power Locking Differential
Fenders - Front	Reverse Alarm (SAE J994)
Full Flow Hydraulic Filtration	ROPS Canopy (SAE J320A) with windshield and wiper
Gauges	Seat Belt (SAE J386)
Air Cleaner Restriction	
Air Pressure	

EJECTOR

Push-out ejector provides positive ejection of materials. Powered by one, three stage, double-acting cylinder.

Bore and Stroke8.5 in. x 6.00 in. x 4.5 in. x 84 in. (216 mm x 152 mm x 114 mm x 2 135 mm)

DIMENSIONS

At 12 in. (.3 m) carry with standard tires

Apron opening	7 ft. 4 in. (2.24 m)
Width of cut	11 ft. 1.5 in. (3.39 m)
Depth of cut - maximum	1 ft. 7 in. (.48 m)
Depth of spread - maximum	1 ft. 3.5 in. (.39 m)
Clearance under drive axle	2 ft. 6 in. (.76 m)
Clearance under bowl - maximum	1 ft. 8 in. (.51 m)
Non-stop 180° turning width for vehicle clearance	45 ft. 0 in. (13.7 m)

WEIGHTS (MASS)

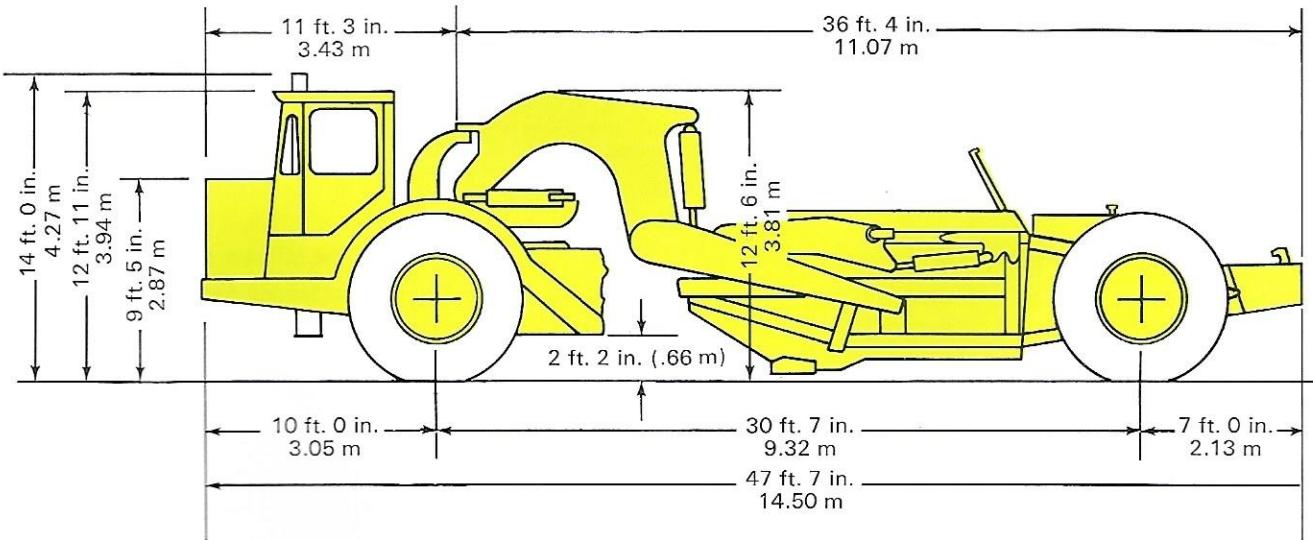
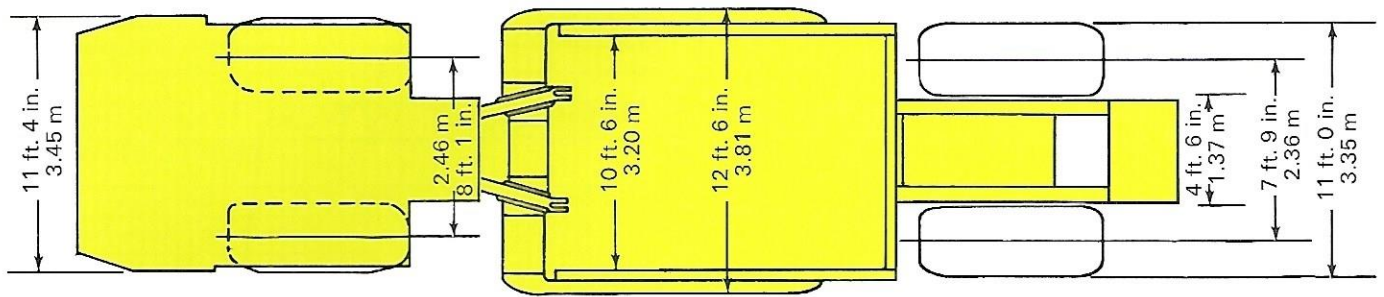
NET WEIGHT (MASS) DISTRIBUTION	lbs.	(kg)
Tractor Axle	59,960	(27 198)
Scraper Axle	33,150	(15 037)
Total	93,110	(42 235)
RATED PAYLOAD	81,500	(36 968)
GROSS WEIGHT (MASS) DISTRIBUTION		
Tractor Axle	91,270	(41 400)
Scraper Axle	83,340	(37 803)
Total	174,610	(79 203)

CONVERSION CHART

1 mile	=1.609 kilometres	1 lb.	=4.448 newtons
1 foot	=.3048 metres	1 lb.	=0.4536 kilograms
1 inch	=25.4 millimetres	1 ft. lb.	=1.356 newton-metres
1 U.S. Gal.	=3.785 litres	1 PSI	=6.8948 kPa
1 U.S. Gal.	=0.833 Imp. gals.	1 in. ²	=6.452 centimetres ²
1 U.S. Gal.		1 in. ³	=0.0164 litres
diesel fuel	=7.3 lbs. (approx.)	1 in. ³	=16 387 millimetres ³
1 U.S. Gal.		1 ft. ²	=929 centimetres ²
coolant	=8.3 lbs. (approx.)	1 yd. ²	=0.836 metres ²
1 HP	=0.746 kW	1 yd. ³	=0.7646 metres ³

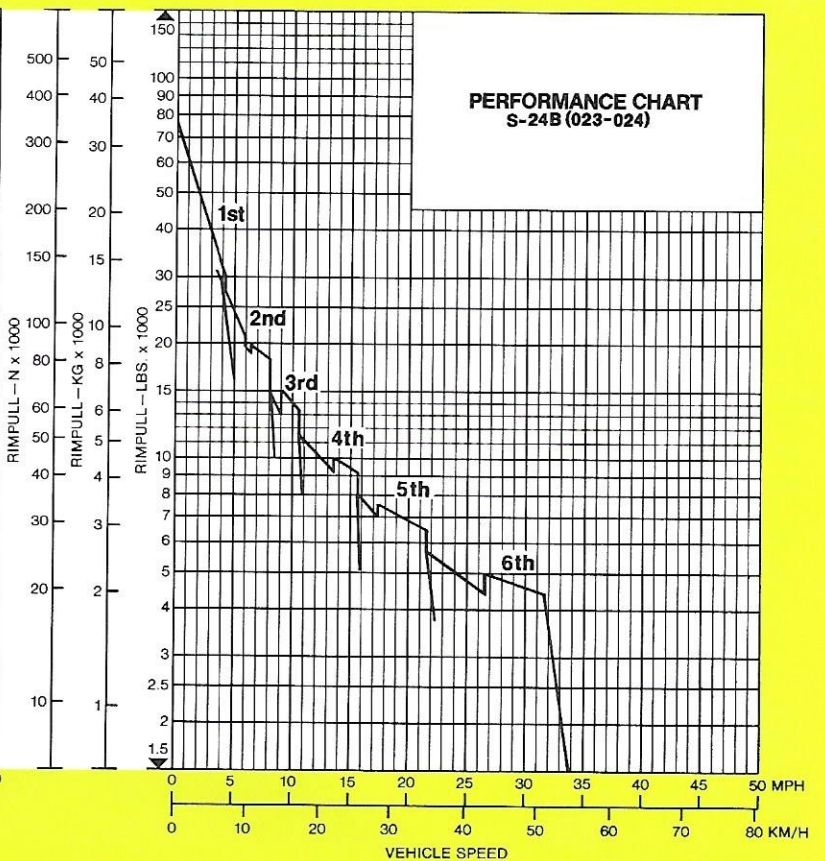
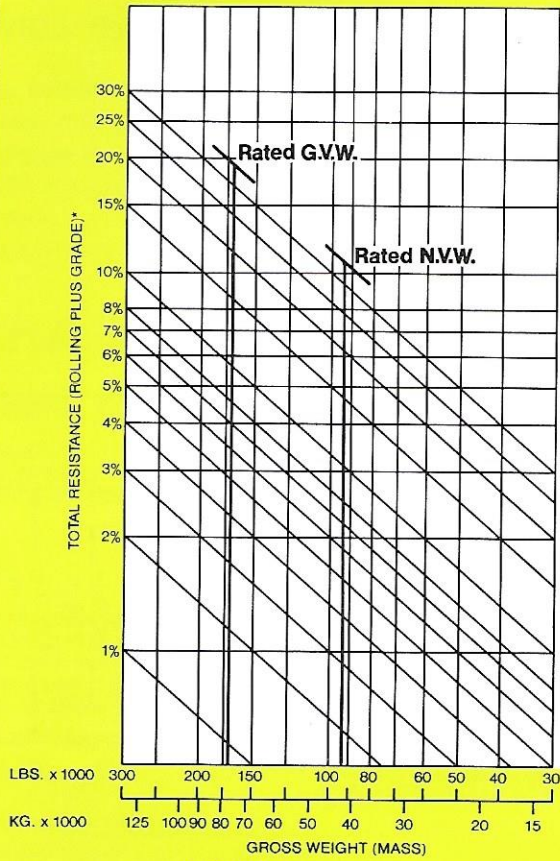
OPTIONAL EQUIPMENT

Air Conditioning
Apron Extension
Fan Guard
Fenders - Rear (SAE J321A)
Heater & Defroster for Cab
Retarder
Roller Push Block
ROPS Cab (SAE J320A) includes Soundpac
Security Kit
Severe Application Kit
Spillguard Extension
Transmission Guard



ALL VERTICAL MEASUREMENTS ARE WITH BOWL AT 12 in. (.31 m) CARRY.

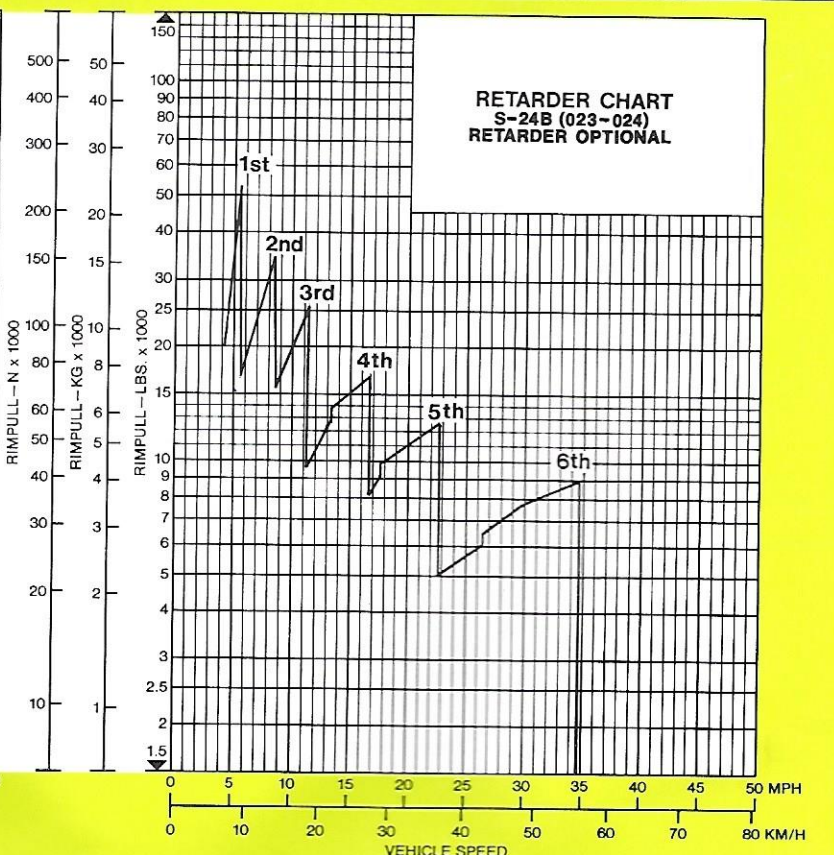
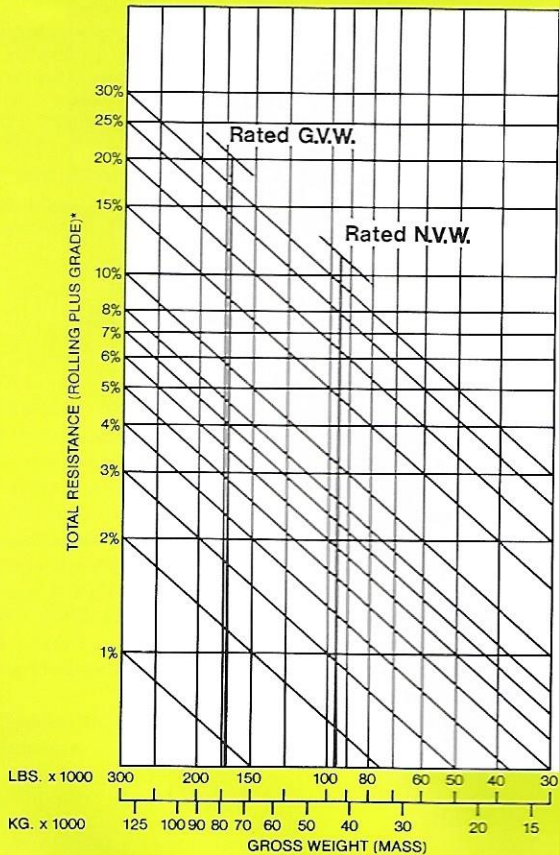
ROPS CAB IS OPTIONAL. HEIGHT TO TOP OF ROPS CANOPY SAME AS CAB.



INSTRUCTIONS:
1. FIND VEHICLE WEIGHT (MASS) ON LOWER LEFT HORIZONTAL SCALE.
2. READ UP TO INTERSECTION WITH SLANTED TOTAL RESISTANCE LINE.

3. READ HORIZONTALLY TO THE RIGHT TO THE PERFORMANCE OR RETARDER CURVE.
4. READ DOWN FOR VEHICLE SPEED.

*VALUES ARE POSITIVE FOR PERFORMANCE CHART, NEGATIVE FOR RETARDER CHART.



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