TEREX®

Articulated Trucks TA25 TA27 TA30 NEW TA35 NEW TA40

ARTICULATED TRUCKS

Terex has grown to become one of the most influential companies within the Construction industry.

Terex has invested in research and development, engineering, rigorous testing and training plus state-of-the-art manufacturing processes to develop a portfolio of new Construction products. By building on technology and pioneering innovation, Terex has developed a Construction range that consistently exceeds the customers' expectations by providing world class **reliability, durability, safety and productivity.**

- **Construction**
  - Off Highway Rigid and Artic Trucks
  - Crawler and Mobile Excavators
  - Mini/Midi Excavators
  - Material Handlers
  - Railroad Excavators
  - Wheel Loaders
  - Backhoe Loaders
  - Hydraulic Hammers
  - Telescopic Handlers
  - Pumps
  - Mixers and Light Construction Equipment
  - Site Dumpers
  - Rollers and Compaction Equipment
  - Motor Graders
  - Scrapers
- **Aerial Work Platforms**
- **Cranes**
- **Roadbuilding and Utility**
- **Mining and Material Processing**

Terex is committed to manufacturing high quality, reliable, construction products for diverse applications including roadbuilding, quarrying and mining to optimise your productivity and profitability.

With more than 60 years experience and a powerful global distribution network, Terex undertakes all research, development, manufacturing and marketing of its off-highway trucks and scrapers from its Scottish factory.

Terex's range of class-leading, rough terrain articulated trucks have the ability to go where others can't follow. This articulated range work on sites ranging from sand and gravel quarries to underground coal mines and major road construction projects. The Terex articulated trucks offer high productivity at low cost. With a payload choice of 25 to 42 tons (23 to 38 tonnes) each machine in the range delivers effective performance and low maintenance requirements.

LATEST IN ENGINE TECHNOLOGY

- TA25, TA27 and TA30 feature the well-proven QSM11 tier 3 engine which provides the TA25 with a gross power of 224kW (300hp), TA27 with 270kW (365hp) and the TA30 with 287kW (385hp) giving high power for exceptional performance.
- TA35 and TA40 are powered by the Detroit Diesel Series 60, 14 litre engine with the latest DDEC V electronic management system meeting Tier 3 engine emissions.
- These engines are tuned to produce high torque levels, resulting in excellent acceleration and the ability to operate in the most arduous of conditions.

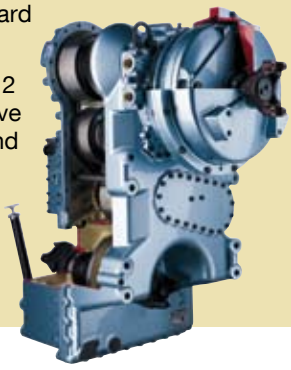
TRANSMISSIONS WITH THE LATEST TECHNOLOGY IN ELECTRONICS

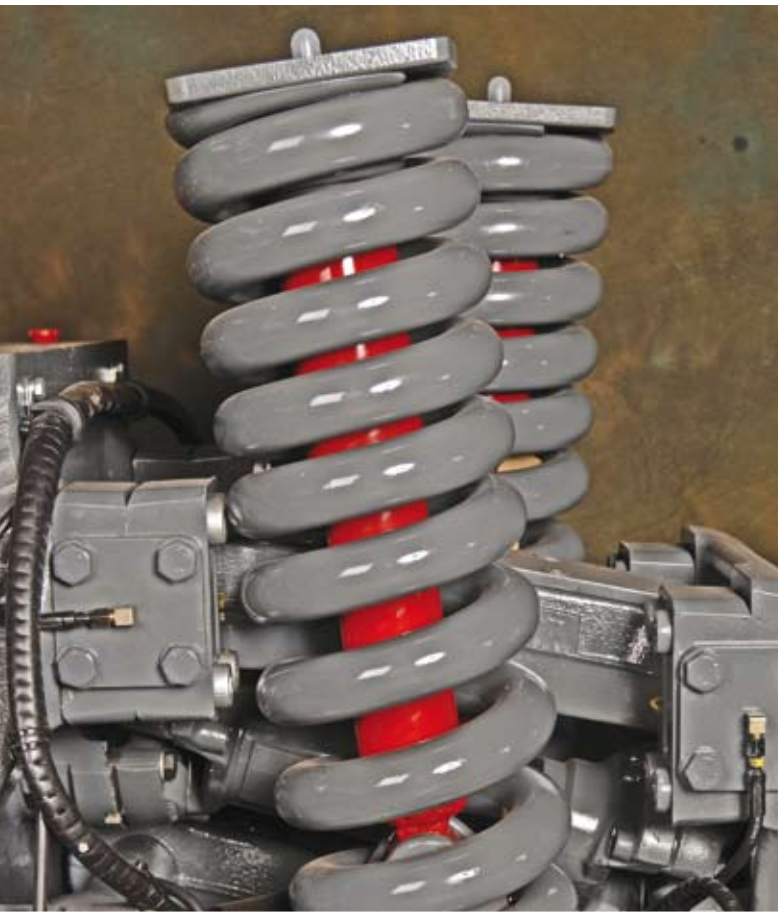
TA25, TA27 and TA30

- Smooth-shifting transmissions with integral torque converter and six forward and three reverse gears
- Fully automatic transmission with a manual over-ride function
- The TA25, TA27 and TA30 models have engine retarder as standard.

TA35 and TA40

- Fitted with the Allison HD4560 tranmission with integral retarder, mounted directly to the engine
- Fully automatic transmissions with planetary gearing, electronic control with six forward and one reverse gear
- Fitted with a remote mounted 2 speed transfer gearbox taking drive from the tranmission to the front and rear axles





HIGH CAPACITY BODY DESIGN

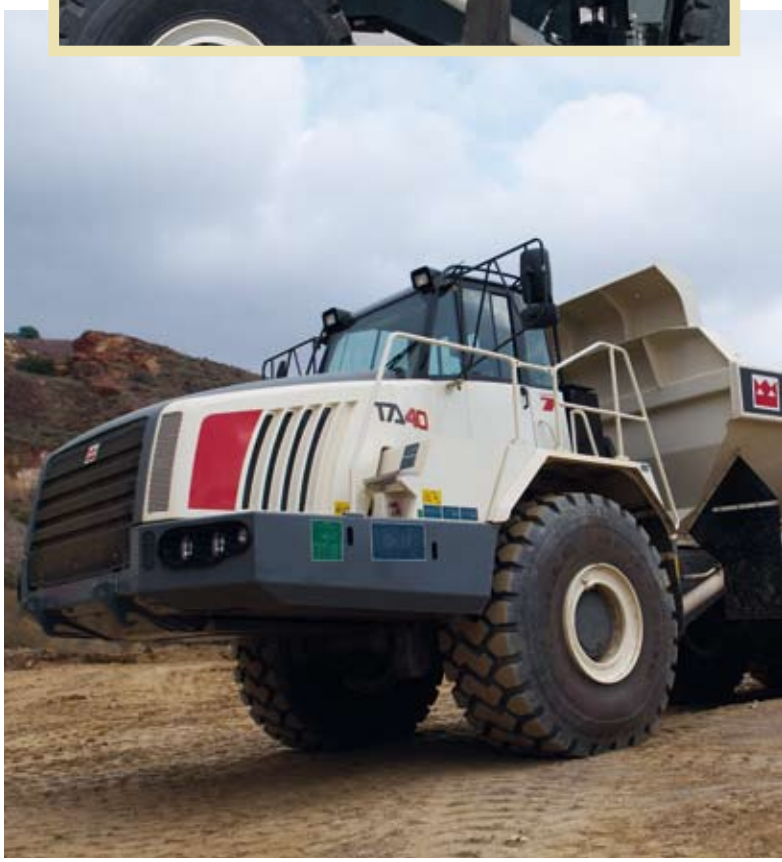
- Extra tonnage per payload
- Rugged flat plate design made from impact resistant high strength steel
- The high hinge point, dual slope tailchute and tapered sides ensure controlled release of the load
- Pivot area protected from material spills due to spill guard
- Fast dump cycle due to high oil flow and pressure within the advanced hydraulic system

BRAKING POWER

- Robust and reliable full power hydraulic actuation reduces regular servicing requirements and eliminates the daily maintenance required with compressed air systems
- Secondary brake control actuates service and parking brakes
- Stopping power - Multi disc sealed and oil cooled brakes on all three axles

SUSPENSION

- Now available - on TA25, TA27 and TA30, full independent suspension, excellent operator comfort, increased production and faster haul speeds



PRODUCT OVERVIEW

- High powered, heavy-duty trucks with powerful engines providing class leading performance and ability to go where others can't follow
- Heavy duty transmissions have built-in reserve for long life and reliability
- Heavy duty, large diameter drivelines are maintenance free, providing strength and longevity
- Featured on the Generation 7 articulated trucks is the ability to TILT the cab, giving unrestricted access for inspection and maintenance. Ensuring maximum production and minimum down time.

- Stopping power – Oil immersed multi discs on all axles
- High capacity body – maximum payload (ranging from 23t to 38t) means optimum productivity and lowest cost per tonne

TA25, TA27 & TA30

Benefits

- Optimum clearance with the body raised, when dumping at hoppers and stock piles
- Better performance and handling in harsh conditions due to high torque output
- Faster cycle times and improved hill climbing ability given by the increased horsepower output
- Large capacity body provides a lower cost per tonne, thus more profit for the customer
- Higher power to weight ratio provides a faster cycle time even in arduous conditions and steep gradients

TA35 & TA40

Benefits

- High torque and horse-power output provides better performance in the harshest of conditions
- High capacity engines - world class Detroit Diesel engines give outstanding performance, reliability and durabilty
- Both trucks are fitted with a 14.0 litre engine with overhaul intervals between 15,000 and 20,000 hours
- Excellent braking thanks to the oil cooled multi disc pack on all axles, thus ensuring efficient braking

TA25 TA27 TA30 TA35 TA40

- High power, high torque, emission-certified engine for maximum performance
- Engines certified to Tier/Stage 3 emissions
- Refined, quiet cab for greater operator comfort
- Multiplate oil immersed brakes on all axles
- 500 hour service intervals
- Hydraulically actuated multiplate transverse diff-lock differentials for 100% cross axle lock up. TA25, TA27, TA30
- Fully CAN enabled
- Full independent suspension as an option - TA25, TA27, TA30

	TA25	TA27	TA30	TA35	TA40
Maximum Payload	23 tonne	25 tonne	28 tonne	34 tonne	38 tonne
Heaped Capacity	13.5 m^3	15.5 m^3	17.5 m^3	21.0 m^3	23.3 m^3
Gross Power	224 kW (300 hp)	272 kW (365 hp)	287 kW (385 hp)	298 kW (400 hp)	336 kW (450 hp)
PLI	A920 MAY 07	A889 MAY 06	A894 MAY 06	A917 MAY 07	A865 MAY 06

Generation 7 articulated trucks

Engines

	TA25	TA27
Engine	Cummins QSM 11	Cummins QSM 11
Type	6 cylinder, four cycle, in line, water-cooled, turbocharged with air to air charge cooling, emission certified, direct injection diesel, electronic engine management.	
Piston Displacement - litres	10.8	10.8
Bore x Stroke - mm	125 x 147	125 x 147
Gross Power - kW (hp) @ rpm	224 (300) @ 1800	272 (365) @ 1800
Rated Power - kW (hp) @ rpm	224 (300) @ 2100	250 (335) @ 2100
Net Power - kW (hp) @ rpm	221 (296) @ 2100	238 (319) @ 2100
Maximum Torque - Nm @ rpm	1424 @ 1400	1673 @ 1400
Gross Power rated	SAE J1995 Jun 90	SAE J1995 Jun 90
Engine emissions	Meets USA EPA Tier 3 / CARB MOH 40 CFR 89 Tier 3 and proposed EUNRMM (non-road mobile machinery directive) stage 3	
Electrical	24 volt electric start. 70A alternator. Two 12 volt 170 Ah batteries.	
Air cleaner	Dry-type air cleaner with safety element, automatic dust ejector and restriction indicator.	
Fan	Modulating fan reduces noise level and consumes engine power as required.	
Altitude - Electronic derate @ m	3048 (10000)	3048 (10000)

Transmission

		ZF 6WG 260 Fully automatic with manual over-ride		ZF 6WG 260 RP Fully automatic with manual over-ride	
Assembly		Consists of a torque converter close-coupled to a countershaft type gearbox with integral output transfer gearing. Automatic shifting throughout the range, with kick-down feature. Lockup in all forward gears. A torque-proportioning output differential transmits drive permanently to front and rear axles. This differential may be locked by the driver for use in difficult traction conditions.			
Speeds - km/h	**Gear**	Forward	Reverse	Forward	Reverse
	1	5.5	5.5	5.5	5.5
	2	8.6	13.4	8.6	13.4
	3	13.4	30.7	13.4	30.7
	4	20.8	-	20.8	-
	5	30.7	-	30.7	-
	6	50.4	-	50.4	-

TA30	TA35	TA40
Cummins QSM 11	Detroit Diesel Series 60	Detroit Diesel Series 60
6 cylinder, four cycle, in line, water-cooled, turbocharged with air to air charge cooling, emission certified, direct injection diesel, electronic engine management.		
10.8	14.0	14.0
125 x 147	133 x 168	133 x 168
287 (385) @ 1800	298 (400) @ 2100	336 (450) @ 2100
261 (350) @ 2100		
248 (333) @ 2100	289 (388) @ 2100	326 (437) @ 2100
1775 @ 1400	2000 @ 1200	2100 @ 1350
SAE J1995 Jun 90	SAE J1995 Jun 90	SAE J1995 Jun 90
Meets USA EPA Tier 3 / CARB MOH 40 CFR 89 Tier 3 and proposed EUNRMM (non-road mobile machinery directive) stage 3		
24 volt electric start. 70A alternator. Two 12 volt 170 Ah batteries.	24 volt electric start. 100A alternator. Two 12 volt 175 Ah batteries.	
Dry-type air cleaner with safety element, automatic dust ejector and restriction indicator.		
Modulating fan reduces noise level and consumes engine power as required. Note: Net hp with fan clutch disengaged.		
3048 (10000)	3048 (10000)	3048 (10000)

ZF 6WG 310 RPC Fully automatic with manual over-ride		Allison HD4560 with integral retarder mounted directly to the engine, fully automatic transmission with planetary gearing, electronic control with six forward and one reverse gear.			
see TA25 resp. TA27		Remote mounted 2 speed transfer gearbox taking drive from the transmission and feeding it via a lockable differential and rear wheels.			
Forward	Reverse	Forward	Reverse	Forward	Reverse
5.5	5.5	5.2	7.0	5.5	7.4
8.6	13.4	11.0	-	11.7	-
13.4	30.7	15.9	-	16.9	-
20.8	-	24.3	-	25.8	-
30.7	-	31.0	-	33.0	-
50.4	-	35.2	-	37.5	-

Generation 7 articulated trucks

Steering

	TA25	TA27
Steering angle to either side	45°	45°
Lock to lock turns, steering wheel	4	4
System pressure - bar	241	241
SAE Turning Radius - mm	8470	8470
Clearing Radius - mm	8950	8950

Frame

Front and rear frames are all-welded high grade steel fabrications with rectangular box-section beams forming the main side and cross members. Inter-frame oscillation is provided by a large diameter cylindrical coupling which houses nylon bushings. Frames articulate 45° to either side for steering by means of two widely-spaced pivot pins in back-to-back sealed taper roller bearings.

Body

All welded construction, fabricated from high hardness (min 360 BHN) 1 000 MPa (145 000 lbf/in^2) yield strength steel. Dual slope tailchute improves material ejection from body.

		TA25	TA27
Plate thickness - mm			
	Floor and tailchute	12.0	14.0
	Sides	12.0	12.0
	Front	8.0	8.0
Volume - m^3	**Struck**	10.0	12.5
	Heaped 2:1 (SAE)	13.5	15.5

Hoist

Two single-stage, double-acting hoist cylinders, cushioned at the base end. Variable displacement / load sensing piston pump driven from power take-off on transmission. Full flow return line filtration. Full electro-hydraulic hoist control, with electronic detent in power down.

	TA25	TA27
System pressure - bar	220	220
Pump output flow rate - litre/sec	4.9	4.9
Raise (loaded) - seconds	12	12
Lower - seconds	7.5	7.5

TA30	TA35	TA40
	Hydrostatic power steering by two double-acting cushioned steering cylinders with pressure supplied by a variable displacement / load sensing piston pump. Secondary steering pressure is provided by a ground driven pump mounted on the dropbox. An audible alarm and warning light indicates should the secondary system activate.	
45°	45°	45°
4	4	4
241	240	240
8470	9185	9185
8950	9675	9675

Front and rear frames are all-welded high grade steel fabrications with rectangular box-section beams forming the main side and cross members. Inter-frame oscillation is provided by a large diameter cylindrical coupling which houses nylon bushings. Frames articulate 45° to either side for steering by means of two widely-spaced pivot pins in back-to-back sealed taper roller bearings.

All welded construction, fabricated from high hardness (min 360 BHN) 1 000 MPa (145 000 lbf/in^2) yield strength steel. Dual slope tailchute improves material ejection from body.

14.0	15.0	15.0
12.0	12.0	12.0
8.0	8.0	8.0
13.8	15.5	17.4
17.5	21.0	23.3

Two single-stage, double-acting hoist cylinders, cushioned at the base end. Variable displacement / load sensing piston pump driven from power take-off on transmission. Full flow return line filtration. Full electro-hydraulic hoist control, with electronic detent in power down.

220	240	240
4.9	5.4	5.4
12	12.5	12.5
7.5	8	8

Generation 7 articulated trucks

Tyres and Wheels

	TA25	TA27
Tyres	Standard 23.5. Optional 750/65	
Rims	Standard 25 x 19.50. For optional tyre, 25 x 22.00	
Wheels	3-piece eartmover rims with 12 stud fixing	

Axles

	Heavy duty axles with fully floating axle shafts and outboard planetary reduction gearing. The three axles are in permanent all-wheel drive (6x6) with a differential coupling between the front and rear axles. All three axles also have hydraulically actuated multiplate transverse diff-lock differentials for 100% cross-axle lock up. The inter-axle and cross-axle diff locks are controlled by the operator, and can be actuated when required in poor traction conditions.	
Differential ratio	3.875:1	3.875:1
Planetary reduction	5.71:1	5.71:1
Overall Drivetrain reduction	22.12:1	22.12:1

Suspension

Front	Axle is carried on the leading arms of a sub-frame which pivots on the main frame. Suspension by rubber elements with four heavy duty hydraulic dampers.
Rear	Each axle is coupled to the frame by three rubberbushed links with lateral restraint by a transverse link. Pivoting inter-axle balance beams equalise load on each rear axle. Suspension movement is cushioned by rubber/ metal laminated compression units between each axle and underside of balance beam ends. Pivot points on leading and trailing links are rubberbushed and maintenance-free.

Brakes

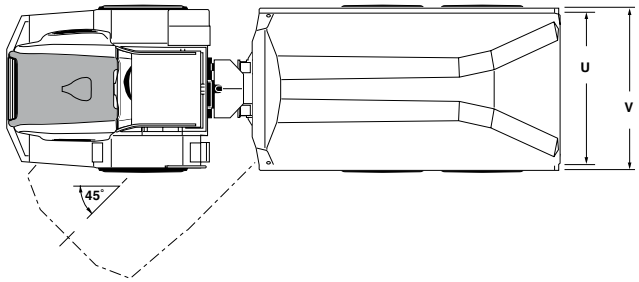
	All hydraulic braking systems with multiplate sealed and oil cooled brake packs at each wheel. Independent circuits for front and rear brake systems.
Parking	Spring-applied, hydraulic-released disc on rear driveline.
Secondary	Secondary brake control actuates service and parking brakes..
Retarder	Engine compression brake is standard.

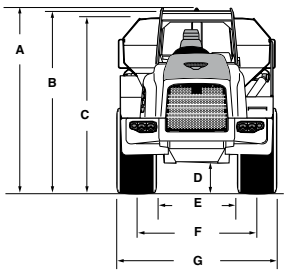
TA30	TA35	TA40
Standard 23.5. Optional 750/65	Standard 26.5	Standard 29.5
Standard 25 x 19.50. For optional tyre, 25 x 22.00	Standard 25 x 22.00	Standard 25 x 25.00
3-piece eartmover rims with 12 stud fixing	3-piece eartmover rims with 19 stud fixing	3-piece eartmover rims with 19 stud fixing

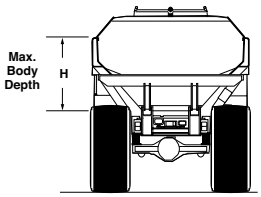
see TA25 resp. TA27	Three axles in permanent all-wheel drive (6x6) with differential coupling between each axle to prevent driveline wind-up. Heavy duty axles with full floating axle shafts and outboard planetary reduction gearing. Automatic limited slip differentials in each axle. Leading rear axle incorporates a through drive differential to transmit drive to the rearmost axle. This differential and the dropbox output differential are locked simultaneously using one switch selected by the operator.	
3.875:1	3.70:1	3.70:1
5.71:1	6.35:1	6.35:1
22.12:1	23.50:1	23.50:1

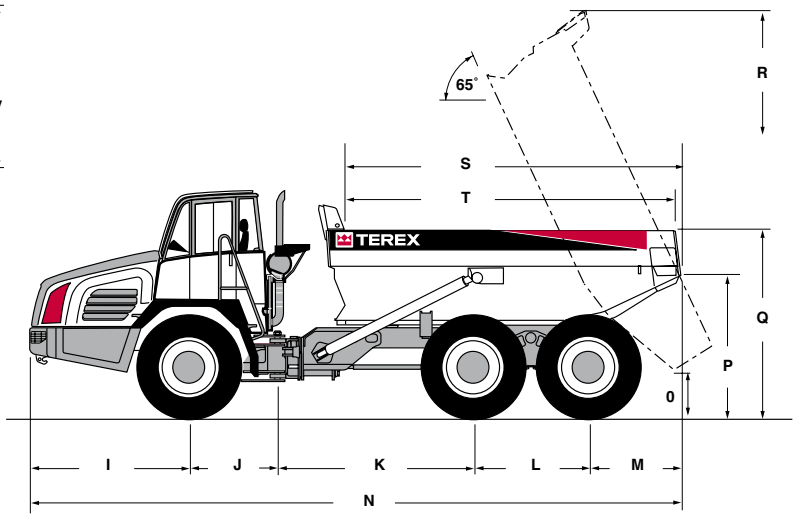
see TA25 resp. TA27	Four trailing links and a panhard rod locate the front axle giving a high roll centre. The optimised front axle position along with the wide spaced main and rebound mounts, mounted directly above the axle and long suspension travel, combine with the two heavy duty dampers each side to give excellent handling and ride.
Each axle is coupled to the frame by three rubber-bushed links with lateral restraint by a transverse link. Pivoting inter-axle balance beams equalise load on each rear axle. Suspension movement is cushioned by rubber/metal laminated compression units between each axle and underside of balance beam ends. Pivot points on leading and trailing links are rubber-bushed and maintenance-free.	

All hydraulic braking systems with multiplate sealed and oil cooled brake packs at each wheel. Independent circuits for front and rear brake systems.	All hydraulic system with sealed, forced oil cooled, multi discs on all axles. Independent circuits for front and rear brake systems. Warning lights and audible alarm indicate low brake system pressure. Brake system conforms to ISO 3450, SAE J1473.
Spring-applied, hydraulic-released disc on rear driveline.	
Secondary brake control actuates service and parking brakes..	
Engine compression brake is standard.	Engine brake and transmission retarder are standard. Engine brake operates automatically should engine approach overspeed.









Dimensions in mm

	TA25	TA27	TA30	TA35	TA40
A	3450	3450	3450	3888	3942
B	3420	3420	3420	3686	3740
C	2985	3120	3325	3494	3548
D	405	405	405	553	607
E	1580	1580	1580	1837	1837
F	2200	2200	2200	2520	2596
G	2895	2895	2895	3206	3356
H	1110	1240	1445	1380	1494
I	2400	2400	2400	2914	2914
J	1310	1310	1310	1310	1310
K	2945	2945	2945	2990	2990
L	1690	1690	1690	1950	1950
M	1410	1410	1410	1780	1780
N	9755	9755	9755	10944	10944
O	725	725	725	851	905
P	2175	2175	2175	2414	2468
Q	2605	2740	2895	2967	3140
R	5995	6015	6110	6872	6926
S	4990	5000	5010	5651	5658
T	4735	4930	4920	5576	5570
U	2670	2670	2685	3131	3131
V	N/A	2890	2895	3315	3315

Weights

	TA25	TA27	TA30	TA35	TA40
Standard Unit	kg	kg	kg	kg	kg
Net Distribution					
Front Axle	11564	11724	11753	15844	15880
Bogie Axle Leading	4785	5205	5315	7293	7500
Bogie Axle Trailing	4856	5276	5417	7233	7440
Vehicle, Net	21205	22205	22485	30370	30820
Payload	23000	25000	28000	34000	38000
Gross Distribution					
Front Axle	14880	15880	16821	17374	17620
Bogie Axle Leading	14592	15592	16740	23528	25600
Bogie Axle Trailing	14633	15733	16924	23468	25000
Vehicle, Gross	44205	47205	50485	64370	68820
Bare Chassis	17335	17335	17555	24760	24760
Body	3100	4100	4400	4950	5400
Hoists, pair	530	530	530	660	660

Ground Pressure

	TA25	TA27	TA30	TA35	TA40
Tyres	23.5 R25	23.5 R25	235 R25	26.5 R25	29.5 R25
Standard Unit	kPa	kPa	kPa	kPa	kPa
Unloaded					
Front	113	118	119	137	112
Rear	46	53	54	61	53
Loaded					
Front	146	161	170	145	121
Rear	143	158	170	192	180

These figures are at 15% shrinkage of unloaded radius and specified weights using tyres referred to below

Standard equipment

	TA25	TA27	TA30	TA35	TA40
Cab and Operator					
Air Conditioning	✔	✔	✔	✔	✔
Air Filter Restriction Indicator	✔	✔	✔	✔	✔
Audible Alarm					
Brakes Tractor, Low Pressure	✔	✔	✔	✔	✔
Brakes Trailer, Low Pressure	✔	✔	✔	✔	✔
Engine Stop	✔	✔	✔	✔	✔
Steering, Low Pressure	✔	✔	✔	✔	✔
Transmission 'Stop'	✔	✔	✔	✔	✔
Battery Master Switch	✔	✔	✔	✔	✔
Cigar Lighter, 24V	✔	✔	✔	✔	✔
Coathook	✔	✔	✔	✔	✔
Electrical Jack Point, 12V				✔	✔
Electrical Jack Point, 24V	✔	✔	✔	✔	✔
Engine Diagostic Facility	✔	✔	✔	✔	✔
Gauges					
Brake Cooling Oil Temperature					✔
Fuel Level	✔	✔	✔	✔	✔
Speedometer/Odometer	✔	✔	✔	✔	✔
Transmission Oil Temperature	✔	✔	✔	✔	✔
Tachometer with Hourmeter	✔	✔	✔	✔	✔
Voltmeter	✔	✔	✔	✔	✔
Coolant Temperature	✔	✔	✔	✔	✔
Heater and Demister	✔	✔	✔	✔	✔
Horn, Electric 117 db	✔	✔	✔	✔	✔
Indicators - Light & Alarms					
Body up	✔	✔	✔	✔	✔
Direction Indicators	✔	✔	✔	✔	✔
Dropbox High or Low Selection				✔	✔
Headlight High Beam	✔	✔	✔	✔	✔
Inter-Axle Diff. Lock 'ON'	✔	✔	✔	✔	✔
Parking Brake 'ON'	✔	✔	✔	✔	✔
Retarder 'ON'				✔	✔
Insulation, Thermal and Acoustic	✔	✔	✔	✔	✔
Interior Light	✔	✔	✔	✔	✔
Mirror Rear View (4)	✔	✔	✔	✔	✔
Mug Holder	✔	✔	✔	✔	✔
Neutral Start Interlock	✔	✔	✔	✔	✔
Radio Cassette	✔	✔	✔	✔	✔
ROPS/FOPS Protection ISO 3471/3449	✔	✔	✔	✔	✔
Seat Belts, Retractable J386	✔	✔	✔	✔	✔
Seat, Operator, air suspension, high back, headrest, adjustable armrests	✔	✔	✔	✔	✔
Seat Passenger	✔	✔	✔	✔	✔
Steering Wheel, tilt/telescopic	✔	✔	✔	✔	✔
Storage Compartment	✔	✔	✔	✔	✔
Sun Visor (Internal)	✔	✔	✔	✔	✔
Sun Visor (External)					
Tinted Glass	✔	✔	✔	✔	✔
Transmission Visual Display Unit	✔	✔	✔	✔	✔
Warning Lights					
Alternator Charging	✔	✔	✔	✔	✔
Brake Cooling Oil Presure				✔	✔
Brake Pressure - Front and Rear	✔	✔	✔	✔	✔
Coolant Level	✔	✔	✔	✔	✔
Coolant Temperature	✔	✔	✔	✔	✔
Engine 'Check'	✔	✔	✔	✔	✔
Engine 'STOP'	✔	✔	✔	✔	✔
Fuel, Low Level				✔	✔
Maintenance (Engine)	✔	✔	✔		
Low Steering Pressure / Secondary Steering	✔	✔	✔	✔	✔
Secondary Steering	✔	✔	✔	✔	✔
Transmission 'Check'				✔	✔
Transmission Oil Filter Change				✔	✔
Transmission 'STOP'	✔	✔	✔	✔	✔
Warning Lights Test Switch	✔	✔	✔	✔	✔
Warning Lights Grille, rear	✔	✔	✔	✔	✔
Wiper and Washer, front and rear windows	✔	✔	✔	✔	✔
General					
Articulaton and Oscillation Lock	✔	✔	✔	✔	✔
Brakes Fully Hydraulic Dual Circuit System	✔	✔	✔	✔	✔
Brake Splash Guards	N/A	N/A	N/A	N/A	N/A
Body Prop	✔	✔	✔	✔	✔
Diagnostic Pressure Test Points	✔	✔	✔	✔	✔
Engine Brake	✔	✔	✔	✔	✔
Engine Electronic Management System	✔	✔	✔	✔	✔
Engine Exhaust Brake					
Engine Underguard	✔	✔	✔	✔	✔
Engine Hood Electrically Operated				✔	✔
Exhaust Muffler	✔	✔	✔	✔	✔
Fan, Modulating	✔	✔	✔	✔	✔
Guards Rear Lights	✔	✔	✔	✔	✔
Handrails on Fenders	✔	✔	✔	✔	✔
Headlamps Guards	✔	✔	✔	✔	✔
Hydraulic Diagnostic Facility RS232	✔	✔	✔	✔	✔
Hydraulic Filter Restriction Indicator	✔	✔	✔	✔	✔
Hydraulic Oil Cooler				✔	✔
Interaxle Differential Lock	✔	✔	✔	✔	✔
Lights					
Direction and Hazard Warning Indicator	✔	✔	✔	✔	✔
Headlamps (4) halogen	✔	✔	✔	✔	✔
Side, Tail, Top and Reverse	✔	✔	✔	✔	✔
Working Lights, Roof Mounted	✔	✔	✔	✔	✔
Mudflaps at Front and Centre	✔	✔	✔	✔	✔
Pivot Protection Guard	✔	✔	✔	✔	✔
Reverse Alarm Audible J994	✔	✔	✔	✔	✔
Secondary Steering	✔	✔	✔	✔	✔
Security Kit	✔	✔	✔	✔	✔
Servo Assisted Body Hoist control	✔	✔	✔	✔	✔
Tilting Cab for Maintenance	✔	✔	✔	✔	✔
Tow Points Front and Rear	✔	✔	✔	✔	✔
Transmission Automatic Electronically Controlled	✔	✔	✔	✔	✔
Transmission Electronic Diagnostics	✔	✔	✔	✔	✔
Transmission Downshift Inhibitor	✔	✔	✔	✔	✔
Transmission Hydraulic Retarder				✔	✔
Transmission Oil Cooler with Modulating Fan	✔	✔	✔	✔	✔
Transmission Sump Guard	✔	✔	✔	✔	✔
Tyre Inflation Nitrogen	✔	✔	✔	✔	✔

Optional equipment

	TA25	TA27	TA30	TA35	TA40
Body Options					
Spillguard Extension		✔	✔	✔	✔
Heated Body	✔	✔	✔	✔	✔
Liner Plates		✔	✔	✔	✔
Body Side Extensions		✔	✔	✔	✔
Tailgate Overhinged, chain operated	✔	✔	✔	✔	✔
Tailgate Underhinged		✔	✔	✔	✔
Lights					
Beacon Flashing	✔	✔	✔	✔	✔
Fog Rear	✔	✔	✔	✔	✔
Reverse Flashing	✔	✔	✔	✔	✔
Flodlights Rear Working	✔	✔	✔	✔	✔

	TA25	TA27	TA30	TA35	TA40
Mirrors					
Mirrors Front Mounted	✔	✔	✔	✔	✔
Mirrors with wide angle	✔	✔	✔	✔	✔
Mirrors Heated	✔	✔	✔	✔	✔
Other options					
Automatic Lubrication	✔	✔	✔	✔	✔
Fast Fuel Adapter				✔	✔
Fire Extinguisher	✔	✔	✔	✔	✔
First Aid Kit	✔	✔	✔	✔	✔
Hydraulic Oil Cooler	✔	✔	✔	STD	STD
Independent Suspension		✔	STD		
Parking Brake Guard	✔	✔	✔	✔	✔
Retarder Transmission	N/A	✔	✔	STD	STD
Seat Heated	✔	✔	✔	✔	✔
Television Monitor Rear View	✔	✔	✔	✔	✔
Tool Kit	✔	✔	✔	✔	✔

Service data

	TA25	TA27	TA30
Standard Unit	litres	litres	litres
Fuel Tank	390	390	390
Hydraulic System (steering & body)	202	202	202
Engine Crankcase	41	41	41
Cooling System	54	54	54
Transmission (incl. filters and cooler)	54	54	60
Differentials - Front & Rear (each)	21	21	21
Differential - Centre	23	23	23
Planetaries (each)	7.5	7.5	7.5

	TA35	TA40
Fuel Tank	481	481
Hydraulic System (steering, braking & body)	330	330
Engine Crankcase	40	40
Cooling System	80	80
Transmission (incl. filters and cooler)	56	56
Differentials - Front & Rear (each)	38	38
Differential - Centre	39	39
Planetaries (each)	8.5	8.5
Brake Cooling System	175	175

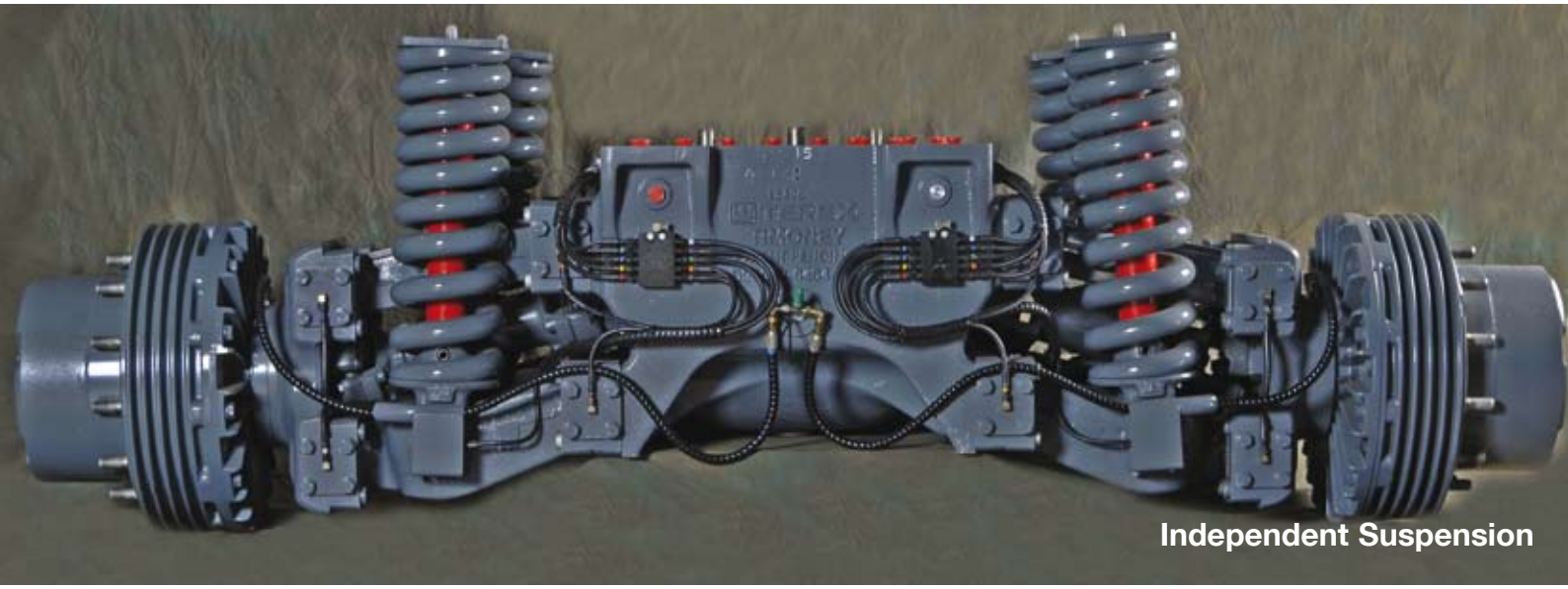
Optional equipment


Tailgate


Tailgate

Television Monitor Rear View

Auto Lube

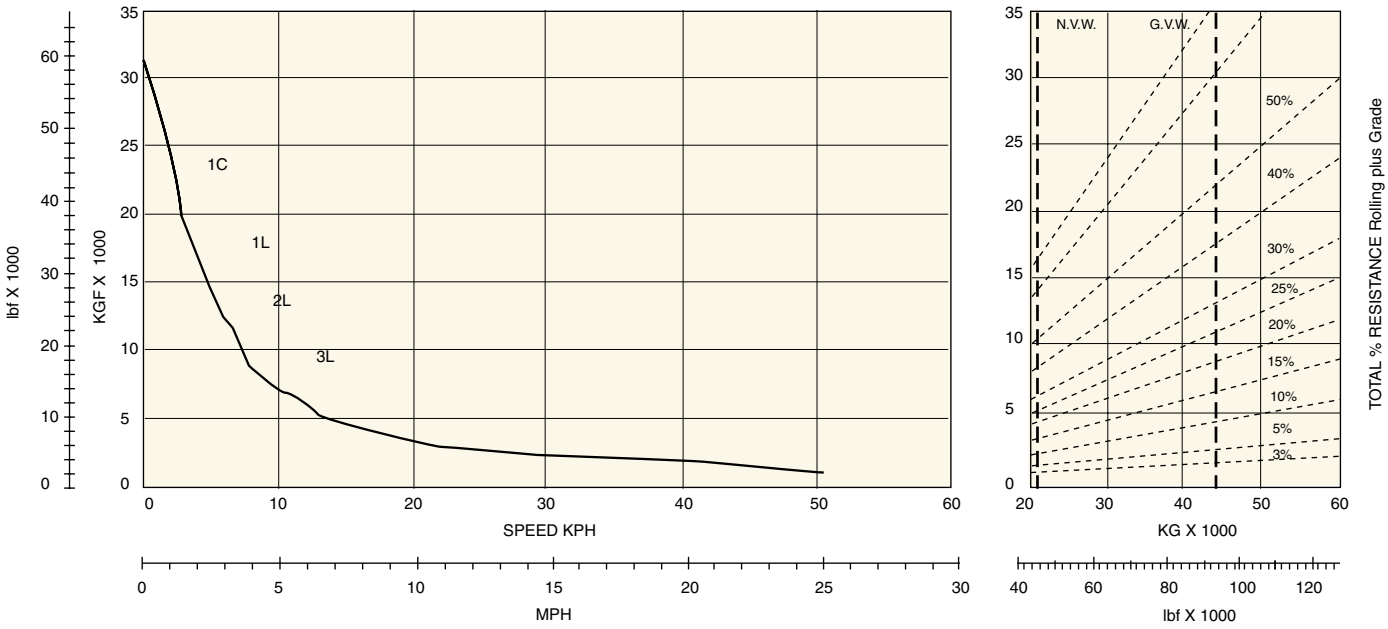

Independent Suspension

Performance data

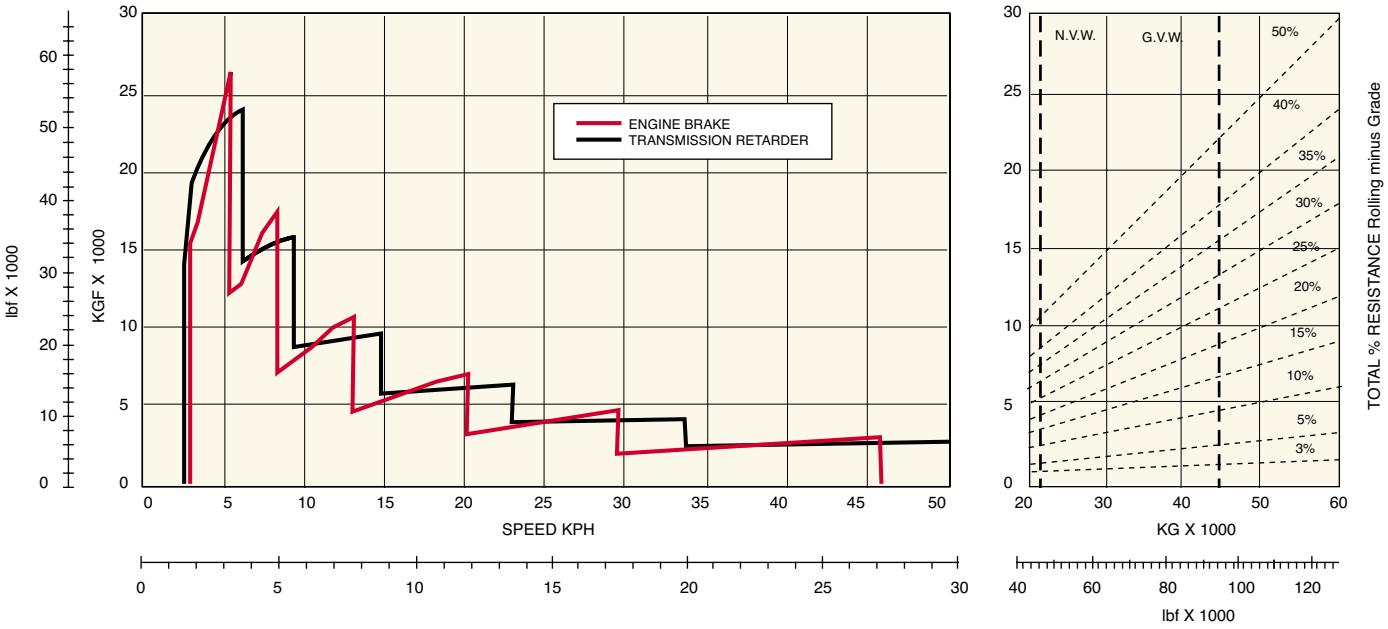
TA25

Unit equipped with 23.5 R 25 tyres
Graphs based on 2% Rolling Resistance

GRADEABILITY



RETARDATION



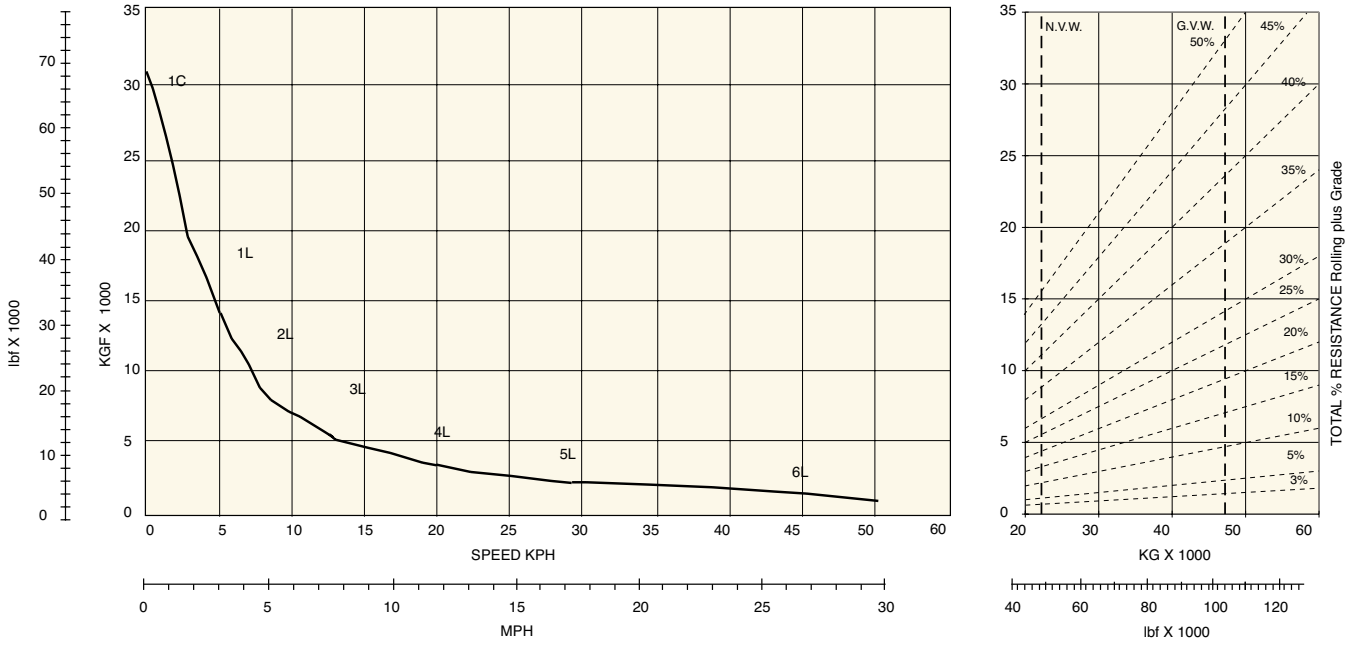
Instructions: From intersection of vehicle weight with percentage resistance line read across to determine maximum gear attainable, and then downwards for speed.

Performance data

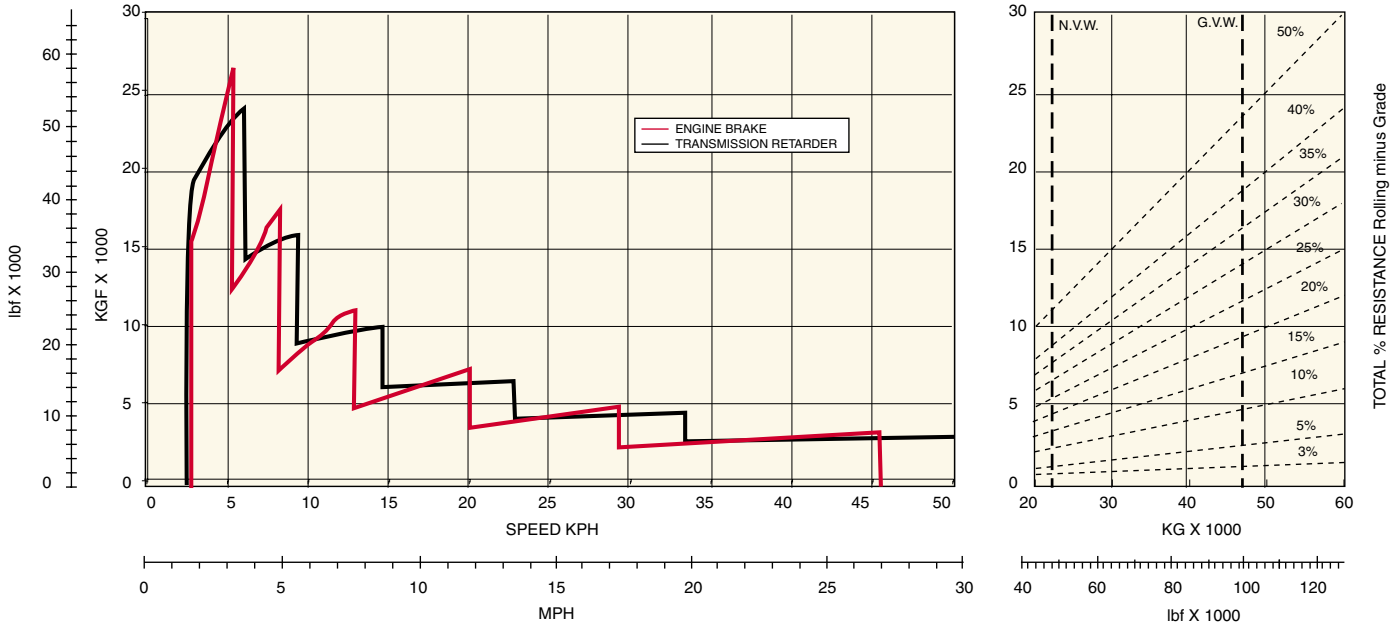
TA27

Unit equipped with 23.5 R 25 tyres
Graphs based on 2% Rolling Resistance

GRADEABILITY



RETARDATION



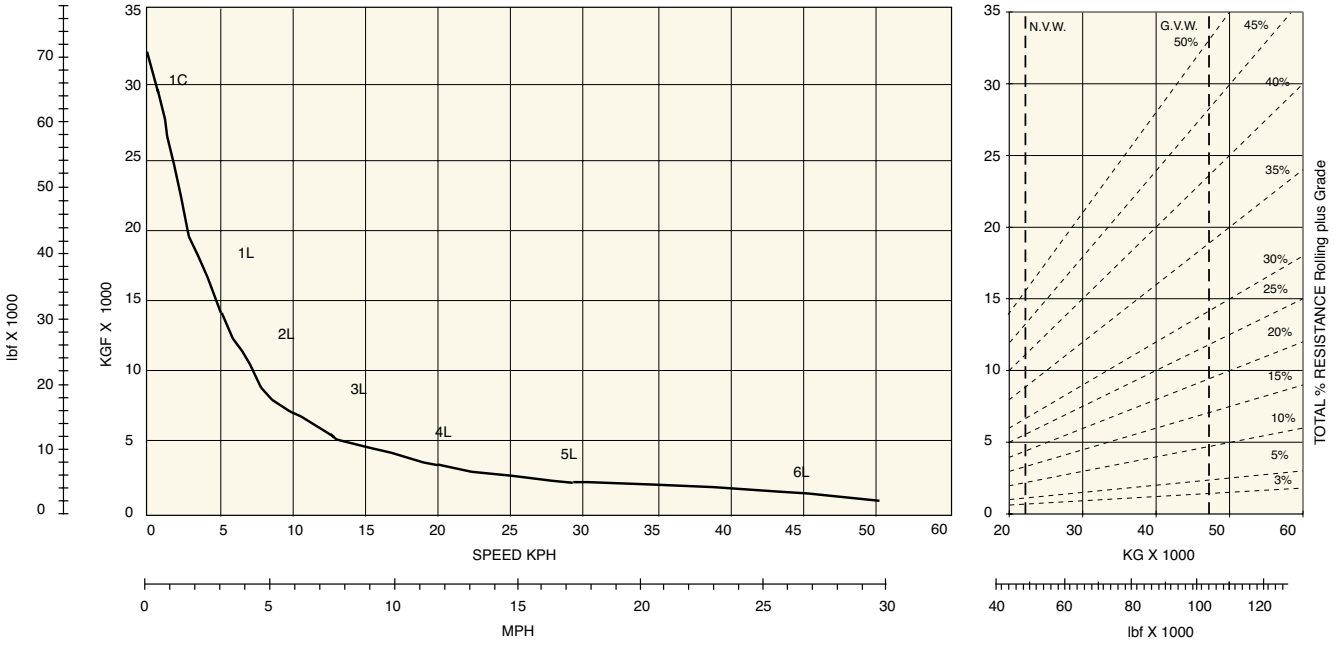
Instructions: From intersection of vehicle weight with percentage resistance line read across to determine maximum gear attainability, and then downwards for speed.

TA30

Unit equipped with 23.5 R 25 tyres

Graphs based on 2% Rolling Resistance

GRADEABILITY



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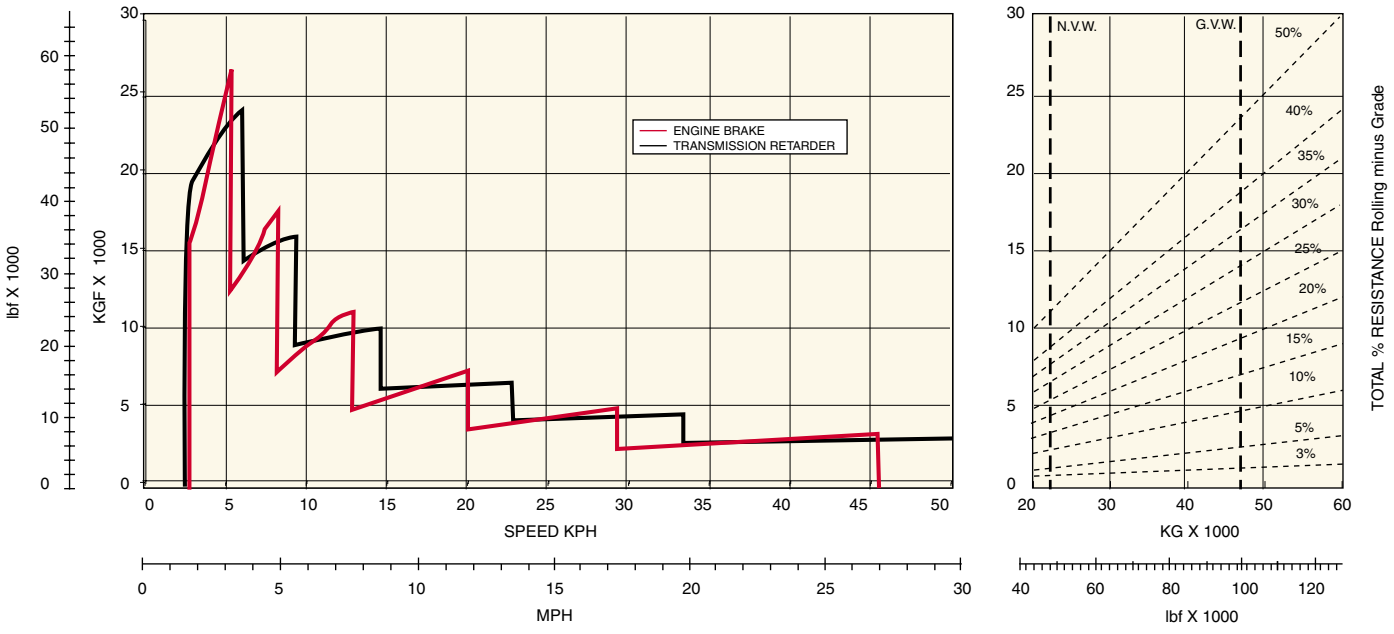


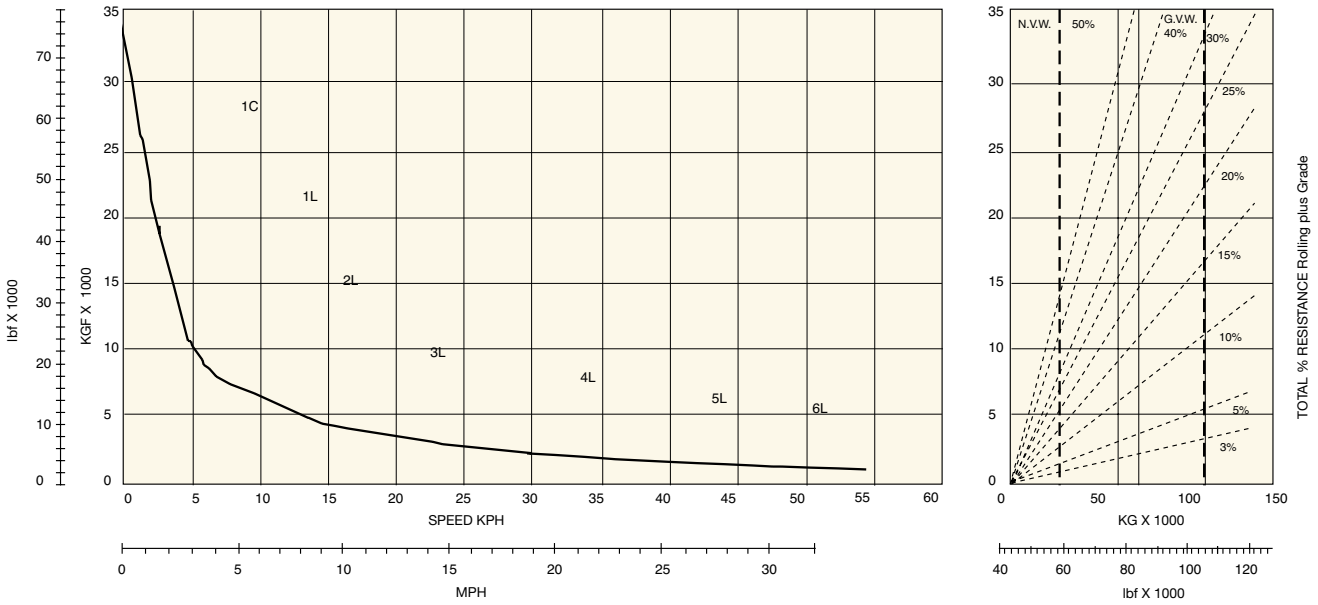
Instructions: From intersection of vehicle weight with percentage resistance line read across to determine maximum gear attainable, and then downwards for speed.

Performance data

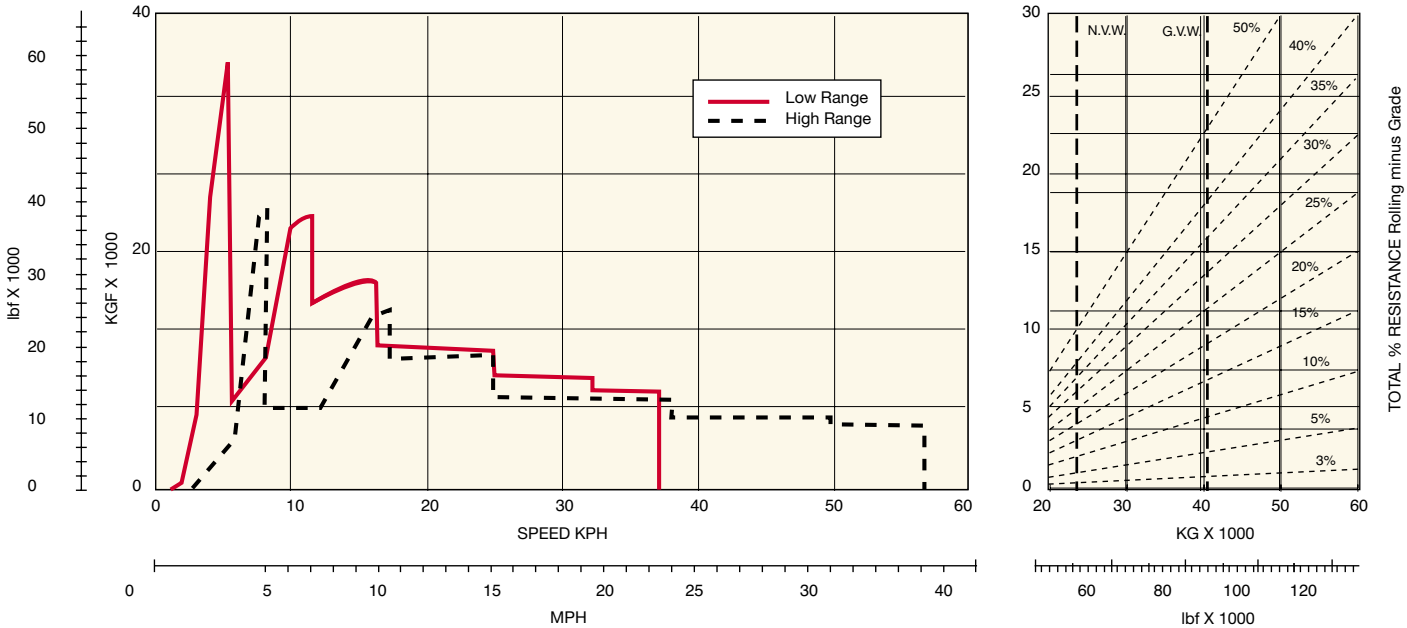
TA35

Graphs based on 2% Rolling Resistance

GRADEABILITY



RETARDATION - ENGINE BRAKE AND TRANSMISSION RETARDER

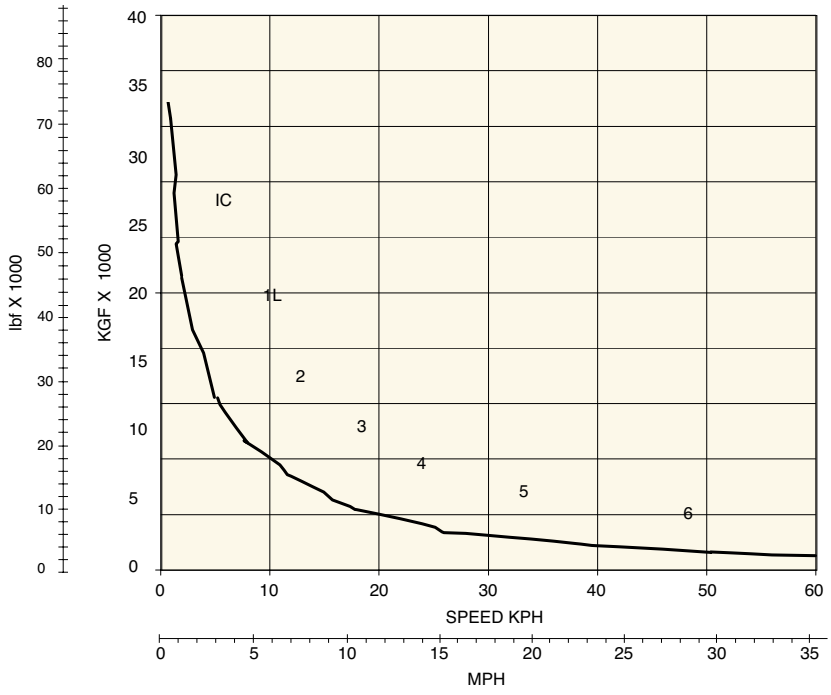


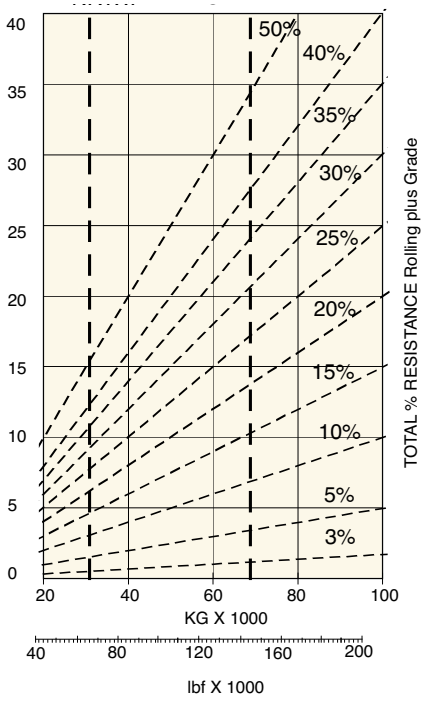
Instructions: From intersection of vehicle weight with percentage resistance line read across to determine maximum gear attainable, and then downwards for vehicle speed.

TA40

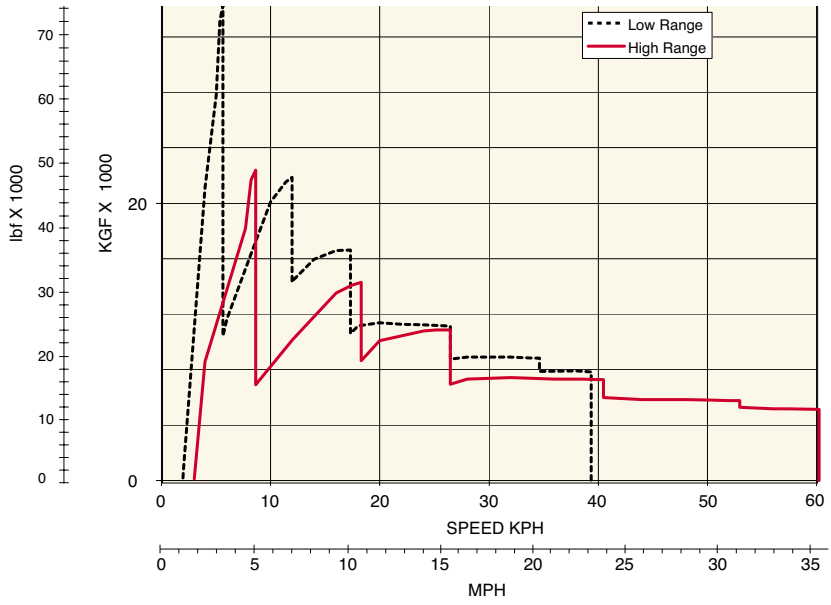
Graphs based on 2% Rolling Resistance

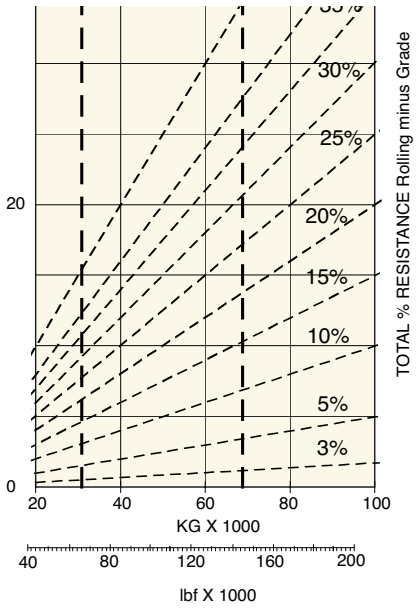
GRADEABILITY





RETARDATION - ENGINE BRAKE AND TRANSMISSION RETARDER





Instructions: From intersection of vehicle weight with percentage resistance line read across to determine maximum gear attainable, and then downwards for speed.

ARTICULATED TRUCKS

		Maximum payload	Heaped capacity	Engine gross power
	TA25	23 mt	13.5 m^3	224 kW (300 hp)
	TA27	25 mt	15.5 m^3	272 kW (365 hp)
	TA30	28 mt	17.5 m^3	287 kW (385 hp)
NEW	**TA35**	34 mt	21.0 m^3	298 kW (400 hp)
NEW	**TA40**	38 mt	23.3 m^3	336 kW (450 hp)

OFF-HIGHWAY RIGID TRUCKS

	Maximum payload	Heaped capacity	Engine gross power
TR35	31.75 mt	19.4 m^3	298 kW (400 hp)
TR45	41.0 mt	26.0 m^3	392 kW (525 hp)
TR60	55.0 mt	35.0 m^3	485 kW (650 hp)
TR70	65.0 mt	41.5 m^3	567 kW (760 hp)
TR100	91.0 mt	57.0 m^3	783 kW (1050 hp)

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