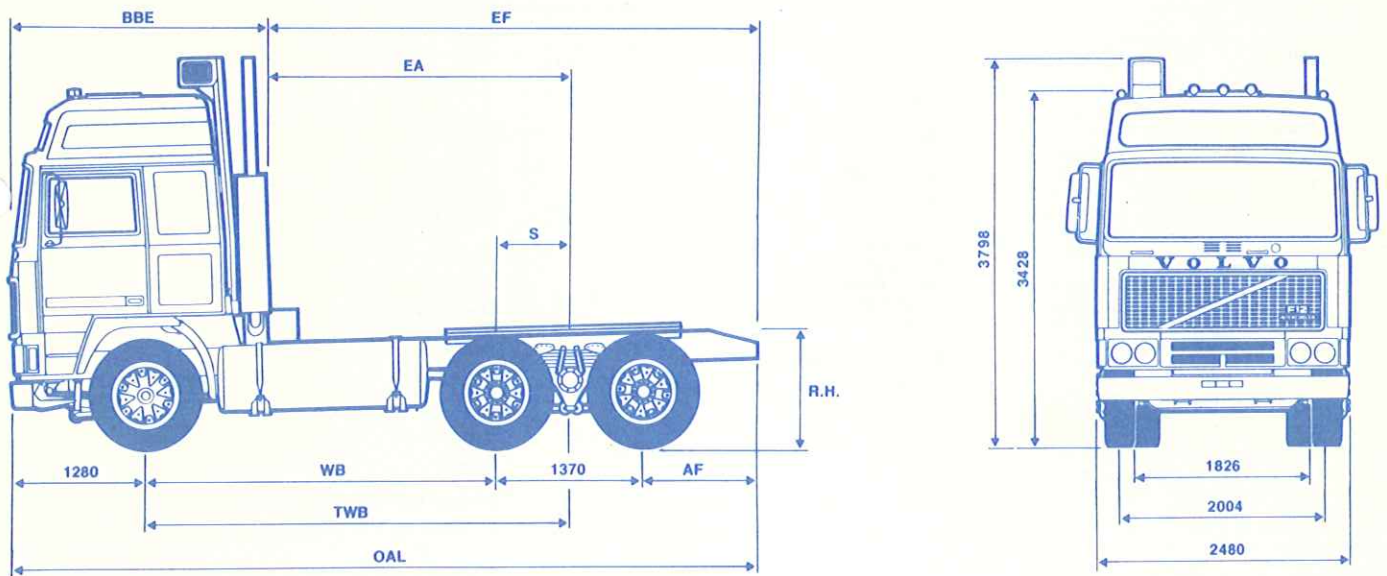


# VOLVO F12 GLOBETROTTER - 6x4

## RATINGS:

FRONT AXLE:	6500 KG (TECHNICALLY PERMITTED)
REAR AXLE:	18000 KG (TECHNICALLY PERMITTED)
GROSS VEHICLE MASS (GVM):	24000 KG WITH 11Rx22.5 STEEL RADIAL TYRES 26000 KG WITH 11Rx22.5 STEEL RADIAL TYRES AND BGT20 REAR SUSPENSION
GROSS COMBINATION MASS (GCM):	65000 KG WITH CTEV87 81000 KG WITH CTEV87 ON APPLICATION APPROVAL 115000 KG WITH CTN372 ON APPLICATION APPROVAL

NOTE:- AXLE RATINGS ABOVE REFER TO VOLVO AXLES AND SUSPENSIONS.  
RATINGS FOR OTHER AXLES ON APPLICATION.



## CHASSIS DIMENSIONS MM

		BGT 18	BGT18
WB	Wheelbase	3200	5200
TWB	Theoretical wheelbase	3885	5885
BBE	Bumper Back of exhaust Globetrotter Cab	2410	2410
	Long Cab	2410	2410
	Short Cab	2138	2138
EA	Back of exhaust to axle Globetrotter Cab	2755	4755
	Long Cab	2755	4755
	Short Cab	3027	5027
EF	Back of exhaust to end frame Globetrotter Cab	4295	7868
	Long Cab	4295	7868
	Short Cab	4567	8140
AF	Rear overhang	855	2428
OAL	Overall length	6705	10278
RH	At centre bogie - Laden	1009	1001
	- Unladen	1062	1054
Turning Circle	Kerb to kerb	14950	20150

Note RH to top of turntable "T" profile for WB 3200

S = Centre of Axle to load centre of gravity. This calculation is dependent on individual truck tare weight, after optional equipment is fitted and fuel tanks to maximum capacity. This figure should always be calculated in acc. with the salesman's manual.

## CHASSIS WEIGHTS KG

	BGT18	BGT18
Front axle	4705	4719
Rear axle	3523	3854
Total chassis weight	8228	8537

Note 1. Chassis weight includes - Globetrotter cab, SR70 gearbox, CTEV87 rear axle, 11R 22-5 16 ply tyres, oil, water, but no fuel or spare wheel.  
2. \*Tare Weights shown are approximate

## ADDITIONAL EQUIPMENT WEIGHT - KG

		Front	Rear	Total
Fuel tanks (full)	3200 w'base	+476	+354	+830



## STANDARD EQUIPMENT

### ENGINE TD121F INTERCOOLER

Six cylinder four stroke direct injection turbo-charged and intercooler diesel engine fitted with exhaust pressure regulator (exhaust brake) and starting heater are standard. Step type engine governor.

<b>Capacity:</b>	12.0 litres
<b>Bore:</b>	130.175 mm
<b>Stroke:</b>	150.0 mm
<b>Compression Ratio:</b>	14.2:1
<b>Oil Capacity:</b>	38 litres
<b>Cooling System Capacity:</b>	50 litres
<b>Exhaust:</b>	Single outlet vertical silencer mounted on left side
<b>Air Cleaner:</b>	Dual element type with cyclone pre-cleaner 1200 to 1800 rpm.

<b>Economy Speed Range:</b>	1200 to 1800 rpm.
<b>Net ISO/SAE output:</b>	283 kw (385 hp metric) @ 2050 rpm
<b>Net ISO/SAE torque:</b>	1600 Nm @ 1300 rpm

Net output and torque according to ISO 1585, SAE J1349. Smoke requirements according to ECE Reg 24, U.S. Federal Register, Swedish Norms and Australian Design Rule 30.

### CLUTCH-KF215D

Twin dry plate. Hydraulic with air servo operation.

<b>Total Area:</b>	3010 sq cm
<b>Clutch Plate Diameter:</b>	381 mm
<b>Pressure Plate Diameter:</b>	381 mm

### GEARBOX - SR70

6 speed fully synchromesh range change gearbox with deep reduction crawler and splitter to give 14 forward speeds and 4 reverse speeds. Air operated splitter and range control mounted on gearshift knob.

<b>Ratios:</b>	Crawl	15.04/12.04:1
	1st	10.39/8.34:1
	2nd	6.84/5.52:1
	3rd	4.42/3.57:1
	4th	2.91/2.35:1
	5th	1.92/1.55:1
	6th	1.24/1.00:1
	Reverse-low	17.12/13.82:1
	Reverse-high	4.79/3.87:1

Provision for right hand side and rear mounted power take-offs. Oil capacity 12.5 litres. Oil cooler fitted standard.

### PROPELLOR SHAFT - 1800 SERIES

### AXLE-REAR BOGIE - CTEV87

Volvo single reduction tandem drive with power divider lock and differential lock in each axle.

<b>Capacity:</b>	26000 Kg.
<b>Ratios:</b>	3.56:1
<b>Oil Capacity:</b>	Front diff. 20 litres Rear diff. 9 litres

### CAB - GLOBETROTTER

**Model:** LHH

**Construction:** All steel safety cab with hydraulic tilt operation to 60°. Globetrotter version fully suspended on coil springs with telescopic air shock absorbers. Full sound and thermal insulation.

**Equipment:** Air suspension drivers and sprung passenger seat with headrests, adjustable steering column, electrically operated two speed wipers with three arms and intermittent switch, dual halogen head lamps, 5 roof marker lights, push button AM/FM radio/tape deck, twin air horns and roof hatch. Twin storage lockers. Fire extinguisher. Additional storage bins mounted above windscreen. Two (2) bunks installed. Illuminated company sign can be fitted above windscreen. Lap seat belts fitted, wardrobe for clothes. Electrically operated door window winder on L.H.S.

**Heating & Cooling:** Thermostatically controlled heater and demister with integrated air conditioning as standard equipment. (A.T.C. automatic temperature control).

**Instrumentation:** Electronic speedometer, tachometer, water, engine oil, gearbox oil and diff. oil temperature gauges. Engine oil and air pressure gauges. Voltmeter and fuel gauges. Pyrometer. Warning lamps for high water temp, low water level, low air pressure, engine oil pressure, power divider and diff locks, high beam, cab tilt, blocked air cleaner, starter element, park brake, gearbox overdrive and gearbox oil pressure.

**Finish:** Choice of colours: crystal white, Volvo red, chrome yellow, arnhem ivory, soft blue.

**Chassis colour:** Grey

### FRAME - RAM 3

Steel rolled channel section with cold riveted crossmembers. Taper frame ends on tractor units. Aluminium bumper bar.

<b>Frame Width:</b>	800 mm
<b>Web Height:</b>	273 mm
<b>Web Thickness:</b>	7 mm
<b>Flange Width:</b>	85 mm
<b>Flange Thickness:</b>	13 mm

### WHEELBASE - STANDARD 3200 mm

See option list, for other sizes.

### FUEL TANK

Twin aluminium tanks, of 500 litres capacity each.  
**Total Capacity:** 1000 litres

### BRAKES SYSTEM TYPE - K BROMS

**Service:** Compressed air "S" cam with separate circuits for front and rear. Hand control for trailer brakes.

**Parking:** Air operated spring brakes operating on steer axle and first driving axle.

**Exhaust Brake:** Electro-pneumatic operated by foot switch.

<b>Brake Size:</b>	Front, 413x152 mm Rear, 394x203 mm
<b>Brake Area:</b>	Front, 2415 cm <sup>2</sup> Rear, 6100 cm <sup>2</sup> Total, 8515 cm <sup>2</sup>

<b>Compressor:</b>	Tuflo 700
<b>Capacity:</b>	375 lit/min at 2000 rpm
<b>Pressure:</b>	700 kPa
<b>Working Pressure:</b>	650 kPa - 790 kPa.
<b>Reservoir Capacity:</b>	2x25 litre, 1x30 litre, 1x50 litre. Total 130 litres.

### SUSPENSION - FRONT

Parabolic leaf springs with double acting hydraulic shock absorbers, and hollow rubber springs. Anti-roll stabilizer bar.

<b>Spring Type:</b>	FFJ-P2
<b>Length:</b>	1750 mm
<b>Width:</b>	100 mm
<b>No. of leaves:</b>	3
<b>Capacity:</b>	6500 kg

### SUSPENSION - REAR BOGIE

Single point inverted multi-leaf springs on centre pivot trunion, for use with Volvo axles only.

**Bogie suspension type:** BGT 18

<b>Spring Type:</b>	BFJ-K1
<b>Capacity:</b>	18000 kg
<b>No. of leaves:</b>	5
<b>Length:</b>	1400 mm
<b>Width:</b>	100 mm

### ELECTRICAL

24 volt system. Four 90 amp/hour 12 volt batteries mounted across the chassis with isolation switch. Manual re-set circuit breakers fitted standard.

<b>Alternator:</b>	1300 w (45 amp @ 28 volts)
<b>Battery Capacity:</b>	180 A/hr (at 24 volts)
<b>Starter Motor:</b>	6.5 kw (8.7 hp)

### STEERING

Fully integral power steering recirculating ball and nut.

<b>Steering Wheel Dia:</b>	500 mm
<b>Ratio:</b>	18.6:1
<b>Turns lock to lock:</b>	4.2 (approx)

Front wheel steering lock angle, inner wheel: 50°.

### AXLE - FRONT - FAT 6.5

Drop forged I Beam with oil filled hubs.

<b>Capacity:</b>	6500 kg
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### WHEELS AND TYRES

Six spoke spider hubs with demountable rims and steel radial pattern tyres. 11 off tyres and rims supplied.

<b>Rim Size:</b>	8.25x22.5
<b>Tyre Size:</b>	11R-22.5 tubeless - 16 ply (front, rear, spare)

## OPTIONAL EQUIPMENT

### OPTIONAL GEARBOX - SR71

6 speed fully synchromesh range change gearbox with deep reduction crawler and splitter to give 14 forward speeds and 4 reverse speeds. Air operated splitter and range control mounted on gearshift knob.

<b>Ratios:</b>	Crawl	16.87/13.60:1
	1st	10.39/8.34:1
	2nd	6.84/5.52:1
	3rd	4.42/3.57:1
	4th	2.01/2.35:1
	5th	1.92/1.55:1
	6th	1.24/1.00:1
	Reverse-low	19.20/15.50
	Reverse-high	5.36/4.33:1

Provision for right hand side and rear mounted power take-offs. Oil capacity 12.5 litres. Oil cooler fitted standard.

### OPTIONAL AXLE - REAR BOGIE - CTN372

Volvo single reduction tandem drive with planetary hub reduction. Power divider lock equipped with diff. locks in each axle.

<b>Capacity:</b>	26,000 Kg
<b>Ratio:</b>	4.55:1, 4.12:1,
<b>Oil Capacity:</b>	Front diff. 36 litres Rear diff. 32 litres

### OPTIONAL AXLE - REAR BOGIE - SP40G

Rockwell SP40G single reduction tandem drive.

<b>Capacity:</b>	18150 kg
<b>Ratio:</b>	3.55:1, 3.70:1 with SR70
<b>Oil Capacity:</b>	Front diff. 16 litres Rear diff. 13 litres

### OPTIONAL AXLE - REAR BOGIE SSHD

Rockwell SSHD single reduction tandem drive.

<b>Capacity:</b>	19970 kg
<b>Ratio:</b>	3.73:1, 4.11:1, 4.63:1 with SR70
<b>Oil Capacity:</b>	Front diff. 16 litres Rear diff. 13 litres

### OPTIONAL REAR AXLE RATIOS

SR70/CTEV87	3.78:1, 4.30:1
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### OPTIONAL CABS

Both short sleeper cab (Model K.H.) and long sleeper cab (Model L.H.) are available in place of the globetrotter cab.

### OPTIONAL FRAME - RAM 4

Double channel section of same external dimensions as Ram 3 but with an internal "U" section. Standard fitment for WB 5200mm and above with use of Volvo axles.

<b>Web thickness:</b>	7 mm + 6 mm
<b>Flange thickness:</b>	13 mm + 6 mm

### OPTIONAL WHEELBASES

The following W.B. variants are available:  
3300 - Reyco R102W suspension only  
4000  
4300  
4600  
\* 5200 \* most common choice

### OPTIONAL FUEL TANKS

The choice of sizes are as follows:  
390 litres mounted on L.H.S.  
390 litres mounted on R.H. & L.H. side to give total of 780 litres.

### OPTIONAL SUSPENSION - REAR BOGIE

Reyco 4 spring with centre rocker; four torque rods; (two each axle)

<b>Model:</b>	R102W
<b>Spring length:</b>	1000 mm
<b>Width:</b>	76 mm
<b>Leaves/thickness:</b>	13x10 mm
<b>Capacity:</b>	18,150 kg
(only for SP40)	

Hendrickson suspension with steel walking beam and semi-elliptical leaf springs for use with Rockwell axles only.

<b>Model:</b>	RT380
<b>Capacity:</b>	17240 kg
<b>No. of leaves:</b>	4x13 mm 7x11 mm

### OPTIONAL SUSPENSION - REAR BOGIE

Volvo single point inverted multi-leaf springs on centre pivot trunion, for use with Volvo axles only.

**Bogie Suspension**

<b>Type:</b>	BGT20
<b>Spring Type:</b>	BFJ-K1
<b>Capacity:</b>	20000 kg
<b>No. of leaves:</b>	8
<b>Length:</b>	1400 mm
<b>Width:</b>	100 mm

### OPTIONAL ACCESSORIES

Rest bunk for short sleeper cab  
Exterior sunvisor  
Windscreen stone guard  
Aerodynamic options for short and long cab  
Choice of side mounted P.T.O.  
Choice of rear mounted P.T.O.  
Choice of combination P.T.O./pump  
Keinze 7 day tachograph  
Air dryer for brake system  
Extra alternator  
Pneumatic level control for cab (must be used with aerodynamic aids) and LH cabs  
Choice of turntables  
Tractor air/electrical connection kit for trailer  
Choice of rear mudguards with mudflaps fitted.  
Aluminium bullbars  
Electrical window winder for short and long cabs (L.H. side)  
Wardrobe in short and long cabs



# VOLVO F12 GLOBETROTTER - 6x4

## RECOMMENDED RETAIL PRICE LIST - JANUARY 1985

CODE NO.		PRICE	APPROX. WEIGHT
J	STD VEHICLE AS PER SPECIFICATION SHEET	\$124,275.00	8,228 kg

CODE NO.	OPTIONAL EQUIPMENT	PRICE		APPROX. WEIGHT	
		+	-	+	-
J431G	<b>Optional Gearbox</b> - Volvo SR71	No charge	No charge		
J465C J465F J465G	<b>Optional axle rear bogie</b> - Volvo CTN372 (only with BGT20 "T" RIDE) - Rockwell SP40G - Rockwell SSHD	\$3,240.00 \$ 500.00 \$2,300.00		251 kg	132 kg 14 kg
J466A J466B J466E J466F J466C J466L J466M J466N J466P J466R	<b>Optional rear axle ratios</b> - Volvo 3.56:1 - Volvo 3.78:1 - Volvo 4.30:1 - Volvo 4.55:1 (only CTN372) - Volvo 4.12:1 (only CTN372) - Rockwell 3.55:1 - Rockwell 3.70:1 - Rockwell 3.73:1 - Rockwell 4.11:1 - Rockwell 4.63:1	No charge No charge No charge No charge No charge No charge No charge No charge No charge No charge	No charge No charge No charge No charge No charge No charge No charge No charge No charge No charge		
J800A J800B	<b>Optional cabs</b> - Short sleeper (K.H.) - Long sleeper (LH)		\$2,160.00 \$1,512.00		192 kg 110 kg
J805A J805B J805C J805D J805E	<b>Std. Cab Colour</b> - Crystal White - Volvo - Chrome Yellow - Arnhem Ivory - Soft Blue	No charge No charge No charge No charge No charge	No charge No charge No charge No charge No charge		
	<b>Optional Cab Colour</b> - All colours shown on Dulux colour card as optional colours are available in enamel by quoting paint number shown on card	\$ 216.00			
J807A J807B J807C J807D J807E	<b>Chassis Colours</b> - Brown - Black - Red - Grey - Yellow	\$ 190.00 \$ 190.00 \$ 190.00 No charge \$ 190.00	No charge		
J808B J808D J808F J808G J808H J808J J808L J808M J808N J808P J808Q J808R J808S	<b>Paint Application System</b> - Two tone STD colour-enamel (441) - Multi-tone STD colour-enamel (441) - Single tone STD or Opt. colour-Acran (426) - Two tone STD or Opt. colour-Acran (426) - Multi-tone STD or Opt. colour-Acran (426) - Two tone with separate flash - any colour Acran - Single tone metallic (Acran) - Two tone metallic (Acran) - Multi-tone metallic (Acran) - Two tone metallic with separate flash (Acran) - Special colour for chassis - Special colour for chassis, rims, spiders - Special colour for rims and spiders only	\$ 225.00 \$ 542.00 \$ 492.00 \$ 652.00 \$1,004.00 \$1,163.00 \$ 926.00 \$1,007.00 \$1,241.00 \$1,400.00 \$ 190.00 \$ 382.00 \$ 153.00			

### RECOMMENDED RETAIL PRICE LIST - JANUARY 1985

CODE NO.	OPTIONAL EQUIPMENT	PRICE		APPROX. WEIGHT	
		+	-	+	-
J711B	<b>Optional Frame</b> - RAM 4 Heavy duty chassis rails (only with BGT20 "T" Ride)	No charge	No charge	T.B.A.	
J710D J710H J710K J710M J710Q	<b>Optional wheelbases</b> - 3300mm Reyco - 4000 - 4300 - 4600 - 5200	\$ 177.00 \$ 897.00 \$ 917.00 \$1,001.00 \$1,709.00		15 kg 194 kg 283 kg 311 kg 342 kg	
J234D J234F	<b>Optional fuel tanks</b> - 390 litre LH side - 2 x 390 litres LH + RH side to give total 780 litres		\$ 942.00 \$ 281.00		78 kg 10 kg
J655A J655L J655J	<b>Optional rear suspension</b> - Volvo BGT20 - Reyco R102W - Hendrickson RT380	No charge No charge No charge	No charge No charge No charge	84 kg	59 kg
	<b>Tyre Brands</b> - See separate price list for range available				
J892A J892B J561A J571A J571B J571C J321A J662B J853A J818B J826A J826B J826C J481F J481E J481P J481J J481K J891E J891F J383B J922A J922B J922C J899B J844A	<b>Optional Accessories</b> - Aerodynamic kit for short cab - Aerodynamic kit for long cab - Air dryer for brake system - Air/electrical kit Pogo + push on connectors - Air/electrical kit Pogo + gladhand connectors - Air/electrical kit mounting with connectors behind turntable - Alternator (additional) - Bull bar (aluminium) - Bunk for short cab - Cab (pneumatic) level system for long cab - Mudguards (rear) plastic + mudflaps for tractor only - Mudguards (rear) aluminium + mudflaps for tractor only - Mudguards (rear) ¼ aluminium + mudflaps - PTO Rear BKU7080 - PTO Rear BKU7116 - PTO Side SKU7160 - PTO Rear pump BKUH7039 - PTO Rear pump BKUH7058 - Sunvisor (exterior) - Stoneguard for windscreen - Tachograph 7 day Keinzle (3 function) - Turntable Holland HAP 40 - Turntable Franklin Ball Race - Turntable Carrimore Top "C" - Wardrobe - Window winder (electric) for left hand side	\$1,471.00 \$1,471.00 \$ 482.00 \$ 398.00 \$ 396.00 \$ 176.00 \$ 323.00 \$1,852.00 \$ 190.00 \$ 315.00 \$1,522.00 \$1,393.00 \$ 747.00 \$ 846.00 \$ 882.00 \$1,489.00 \$1,413.00 \$1,526.00 \$ 236.00 \$ 214.00 \$ 442.00 \$1,798.00 \$3,695.00 \$1,522.00 \$ 52.00 \$ 238.00		33 kg 35 kg 20 kg 7 kg 7 kg 3 kg 7 kg 95 kg 19 kg 2 kg 79 kg 62 kg 11 kg 26 kg 27 kg 24 kg 34 kg 35 kg 5 kg 6 kg 1 kg 240 kg 358 kg 115 kg 2 kg 2 kg	

These prices are recommended only and may be amended by Volvo Australia Pty. Ltd. at any time.

R.S.P. PRICE 68733.01-85

SALES TAX COMPONENT = 12.9% of recommended retail price

Volvo Australia Pty. Ltd.  
(Incorporated in New South Wales)