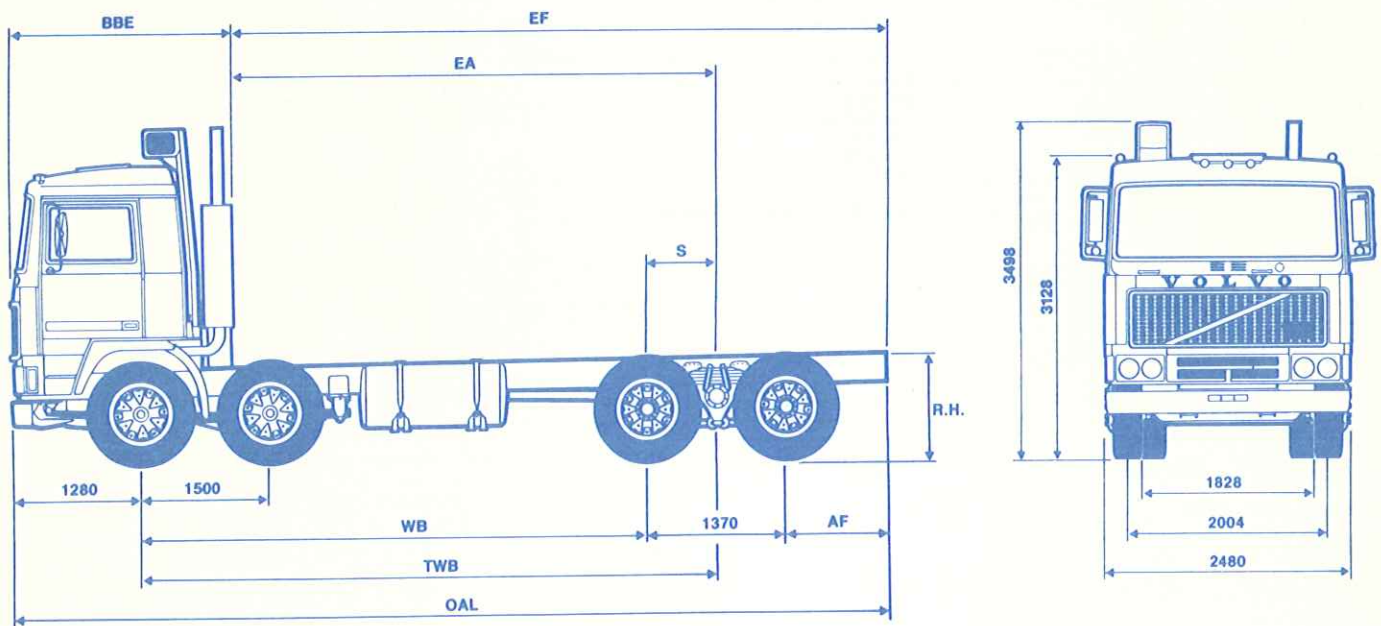


RATINGS:

FRONT AXLE:	10000 KG (TECHNICALLY PERMITTED)
	12000 KG (TECHNICALLY PERMITTED) WITH OPTIONAL RAM 4 CHASSIS.
REAR AXLE:	18000 KG (TECHNICALLY PERMITTED)
	20000 KG (TECHNICALLY PERMITTED) WITH OPTIONAL BGT20 BOGIE SUSPENSION
GROSS VEHICLE MASS (GVM):	27000 KG WITH 11R22.5 STEEL RADIAL TYRES
	27000 KG WITH 11R22.5 STEEL RADIAL TYRES, OPTIONAL BGT20 AND RAM 4 CHASSIS.
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

WB	Wheelbase	5200
TWB	Theoretical wheelbase	5885
BBE	Bumper back of exhaust Short Cab (Long Cab)	2138 (2410)
EA	Back of exhaust to axle Short Cab (Long Cab)	5027 (4755)
EF	Back of exhaust to end frame Short Cab (Long Cab)	6840 (6568)
AF	Rear overhang	1128
OAL	Overall length	8978
RH	At centre bogie - Laden - Unladen	1038 1086
Turning Circle	Kerb to kerb	20150

CHASSIS WEIGHTS KG

BGT18

Front axle	5791
Rear axle	3285
Total chassis weight	9076

Note 1. Chassis weight includes - short sleeper cab, SR70 gearbox, CTEV87 rear axle, and 11R22.5 16 ply tyres, oil and water, but no fuel or spare wheel.
2. * Tare Weights shown are approximate

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.

ADDITIONAL EQUIPMENT WEIGHT - KG

		Front	Rear	Total
Fuel tanks (full)	5200 w'base	+136	+187	+323

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.

Capacity:	12.0 litres
Bore:	130.175 mm
Stroke:	150.0 mm
Compression Ratio:	14.2:1
Oil Capacity:	38 litres
Cooling System Capacity:	50 litres
Exhaust:	Single outlet vertical silencer mounted on left side

Air Cleaner: Dual element type with cyclone pre-cleaner

Economy Speed Range: 1200 to 1800 rpm.

Net ISO/SAE output: 283 kw (385 hp metric) @ 2050 rpm

Net ISO/SAE torque: 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.

Total Area:	3010 sq cm
Clutch Plate Diameter:	381 mm
Pressure Plate Diameter:	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.

Ratios:	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

Oil capacity 12.5 litres. Provision for side and rear mounted power take-offs. 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.

Capacity:	26000 Kg.
Ratios:	3.78:1
Oil Capacity:	Front diff. 20 litres Rear diff. 9 litres

CAB - SHORT SLEEPER

Model: K.H.

Construction: All steel safety cab with hydraulic tilt to 60°. Fully suspended on coil springs with telescopic shock absorbers. Full sound and thermal insulation.

Equipment: Fully sprung driver's and passenger's seats, 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. Fire extinguisher. Driver and passenger lap seat belts fitted.

Heating & Cooling: Thermostatically controlled heater and demister with integrated air conditioning as standard equipment. (A.T.C. Automatic Temp. Control).

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

Finish: Four colours: crystal white, Volvo red, chrome yellow and powder beige.

Chassis colour: Grey

FRAME - RAM 3

Steel rolled channel section with cold riveted cross members.

Frame Width:	800 mm
Web Height:	273 mm
Web Thickness:	7 mm
Flange Width:	85 mm
Flange Thickness:	13 mm

Aluminium Bumper Bar.

WHEELBASE - STANDARD 5200 mm

See option list, for other sizes.

FUEL TANK

Single aluminium tank, of 390 litres capacity mounted on left side.

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 second steer axle and first driving axle.

Exhaust Brake: Electro-pneumatic operated by foot switch.

Brake Size:	Front, 413x152 mm Rear, 394x203 mm
Brake Area:	Front, 4830 cm ² Rear, 6100 cm ² Total, 10930 cm ²

Compressor:	Tuflo 700
Capacity:	375 lit/min at 2000 rpm
Pressure:	700 kPa.
Working Pressure:	650 kPa - 790 kPa.
Reservoir Capacity:	1x25 litre, 2x40 litre, 1x50 litre. Total 155 litres.

SUSPENSION - FRONT

Twin front axle non load share design with conventional semi-elliptical leaf springs double acting hydraulic shock absorbers, and hollow rubber springs fitted.

Spring Type:	FFJ-K1
Length:	1st axle, 1650 mm 2nd axle, 1400 mm

Width	100 mm
No. of leaves:	1st axle, 8 2nd axle, 8
Capacity:	12000 kg

SUSPENSION - REAR BOGIE

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

Bogie suspension type: BGT18

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

ELECTRICAL

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

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

STEERING

Fully integral power steering recirculating ball and nut.

Steering Wheel Dia:	500 mm
Ratio:	25.5:1
Turns lock to lock:	5.7 (approx)

Front wheel steering lock angle, inner wheel: 50° on first axle, 42.5° on second axle.

AXLE - FRONT - FAT 12

Drop forged I-Beam installed in tandem arrangement with oil filled hubs.

Capacity:	10000 kg
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WHEELS AND TYRES

Six spoke spider hubs with demountable rims and steel radial tyres. 13 of tyres and rims supplied.

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

OPTIONAL EQUIPMENT

OPTIONAL AXLE - REAR BOGIE - CTN372

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

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

Note: only available with BGT20.

OPTIONAL REAR AXLE RATIOS

SR70/CTEV87	3.56:1, 4.30:1
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OPTIONAL CAB - LONG SLEEPER

Model: LH

See specification for short sleeper cab, but with sleeper bunk and twin storage lockers fitted.

OPTIONAL FRAME - RAM 4

Double channel section of same external dimensions as RAM 3 but with an internal 'U' section.

Frame Width:	800 mm
Web Height:	273 mm
Web Thickness:	7 mm + 6 mm
Flange Width:	85 mm
Flange Thickness:	13 mm + 6 mm

Note: Use of RAM 4 chassis allows FAT 12 front axle assembly to be rated to 12000 kg.

OPTIONAL WHEELBASES

The following W.B. variants are available as an option:

4300 mm
4800 mm
5600 mm

OPTIONAL SUSPENSION - REAR BOGIE

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

Bogie Suspension

Type:	BGT20
Spring Type:	BFJ-K1
Capacity:	20000 kg
No. of leaves:	8
Length:	1400 mm
Width:	100 mm
Note:	must be used with RAM 4.

OPTIONAL ACCESSORIES

Rest bunk for short sleeper cab
Exterior sunvisor
Windscreen stone guard
Choice of rear mounted P.T.O.
Keinle 7 day tachograph
Air dryer for brake system
Extra alternator
Choice of rear mudguards with mudflaps fitted.
Aerodynamic options for short and long cabs
Pneumatic level control for cab (recommended with aerodynamic aids) on long cab.
Aluminium bullbar
Electric window winder (L.H. side)
Wardrobe
Sprung passenger seat

RECOMMENDED RETAIL PRICE LIST - JANUARY 1985

CODE NO.		PRICE	APPROX. WEIGHT
H	STD VEHICLE AS PER SPECIFICATION SHEET	\$140,275.00	9,076 kg

CODE NO.	OPTIONAL EQUIPMENT	PRICE		APPROX. WEIGHT	
		+	-	+	-
H465C	Optional axle - Volvo CTN372 (Only with BGT20 "T" ride)	\$3,240.00		251 kg	
H466A H466E H466C H466F	Optional axle ratios - Volvo 3.56:1 - Volvo 4.30:1 - Volvo 4.12:1 - Volvo 4.55:1	No charge No charge No charge No charge	No charge No charge No charge No charge		
H800B	Optional cab - Long sleeper (LH)	\$ 673.00		80 kg	
H805A H805B H805C H805D H805E	Std. cab colour - Crystal White - Volvo Red - 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		
	Optional Cab Colour - All colours shown on Dulux colour card as optional colours are available in enamel by quoting paint number shown on card	\$ 216.00			
H807A H807B H807C H807D H807E	Chassis colour - Brown - Black - Red - Grey - Yellow	\$ 190.00 \$ 190.00 \$ 190.00 No charge \$ 190.00	No charge		
H808B H808D H808F H808G H808H H808J H808L H808M H808N H808P H808Q H808R H808S	Paint Application System - 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			
H711B	Optional Frame - RAM 4 Heavy duty chassis rails				
H710K H710N H710S	Optional wheelbase - 4300 - 4800 - 5600	\$ 83.00	\$ 758.00 \$ 672.00	78 kg	110 kg 13 kg

RECOMMENDED RETAIL PRICE LIST - JANUARY 1985

CODE NO.	OPTIONAL EQUIPMENT	PRICE		APPROX. WEIGHT	
		+	-	+	-
H655A	Optional Rear Suspension - Volvo BGT20	No charge	No charge	84 kg	
	Tyre Brands - See separate price list for range available				
	Optional accessories				
H892A	- Aerodynamic kit for short cab	\$1,471.00		33 kg	
H892B	- Aerodynamic kit for long cab	\$1,471.00		35 kg	
H561A	- Air dryer for brake system	\$ 482.00		20 kg	
H571D	- Air/electrical connections for Pig/dog Trailer	\$ 432.00		4 kg	
H321A	- Alternator (additional)	\$ 323.00		7 kg	
H862B	- Bull bar (aluminium)	\$1,852.00		95 kg	
H853A	- Bunk for short cab	\$ 190.00		19 kg	
H818B	- Cab (pneumatic) level system for long cab	\$ 315.00		2 kg	
H854A	- Seat (sprung) passengers	\$ 129.00		8 kg	
H891E	- Sunvisor (exterior)	\$ 236.00		5 kg	
H891F	- Stoneguard for windscreen	\$ 214.00		6 kg	
H383B	- Tachograph 7 day Keinzle (3 function)	\$ 442.00		1 kg	
H899B	- Wardrobe	\$ 52.00		2 kg	
H844A	- Window winder (electric) for left hand side	\$ 238.00		2 kg	

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

R.S.P. PRICE 68734.01-85

SALES TAX COMPONENT = 12.9% of recommended retail price

Volvo Australia Pty. Ltd.

(Incorporated in New South Wales)