

VARLEY FIRE COMMANDER

CHASSIS FRAME

- ||| Parallel trussed rails, rigid chassis frame provides superior road handling
- ||| Straight frame rails with integrated body mounting brackets for easy body fitting
- ||| Frame width 950 mm
- ||| All air tanks and brake lines mounted with the chassis rails

SUSPENSION

- ||| All round air bag suspension
- Front:* Air bags with 5 radius rods full floating front axle
- Rear:* Hendrickson WD swing arm air bag suspension with heavy duty shock absorbers

WHEELS & TYRES

- ||| 8.25 x 22.5, 10 stud disc wheels.
- ||| 11R 22.5 146L tubeless radial tyres Front & rear.

Tyres: Bridgestone R251

Load: 3,000 kg (single), 2575 kg (dual)

HYDRAULIC SYSTEM

- ||| Dual gear type pumps direct driven by engine block PTO
- ||| Separate pumps supply power steering and cooling for drive
- ||| Electrically driven gear pump for Powered tilting of cabin (optional)
- ||| Single oil reservoir for all pumps with 60L capacity

Speed rating: 120 km/h

BRAKES

- ||| Air brakes, electronic Wabco D series ABS & ATC
- ||| Air dryer
- ||| Nylon tubing
- Front:* Drums with 16.5 x 6" Ess brakes and 5.5" Automatic slack adjusters
- Rear:* Drum with 16.5 x 7" Ess brakes, 5.5" Automatic slack adjusters and Spring park brake

ELECTRICAL SYSTEM

- ||| Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting
- Batteries:* 2 x 24 V/ 150 A/h, negative earth
- Alternator:* 24 V/ 90 A output (220 A optional)
- Starter Motor:* 24 V



CABIN EXTERIOR

- ||| All steel frame & fibreglass panel construction specifically designed for fire fighting/rescue applications, offering maximum driver and occupant visibility
- ||| ADR 59/00 Omnibus Rollover Protection compliant
- ||| Electrically heated & controlled mirrors
- ||| 45° cabin tilt offers easy access for engine maintenance
- ||| Hardened, tempered side window glass with anti bandit film

CABIN INTERIOR

- ||| Oversize interior to permit walk in/walk out access while fitted out in full fire fighting/rescue attire (including BA Set)
- ||| Four SCBA seats fully integrated in cabin, with two optional spare SCBA lock points
- ||| Total of six occupants per vehicle (2+4)
- ||| High internal roof clearance
- ||| Air-conditioned (Optional)
- ||| Lockable compartment for valuables
- ||| Stowage space for operators personal equipment and protective clothing

INSTRUMENTATION

Gauges: Speedometer, odometer, trip meter, tachometer. Additional gauges for fuel level, air pressure, dual air, engine temperature, transmission temperature

Warning Lights: Emergency and non emergency engine fault, transmission fault, transmission overheated, battery not charging, brakes low air pressure, ABS fault, cabin not housed.

DRIVELINE SPECIFICATIONS

ENGINE: CUMMINS (ISC 275)

6 Cylinder, direct injection, 8.3L turbo diesel

Bore Stroke: 114 mm x 135 mm

Compression Ratio: 17:1

Power: 213 kW (285 BHP) @ 2000 rpm.

Torque: 1085 Nm (800 lb-ft)

COOLING SYSTEM

9 Blade plastic cooling fan, 762 mm diameter.

Hydrostatically driven with electronic control governed by engine coolant temperature and charge air temperature.

Corrugated fin radiator with fan shroud: 60 L coolant capacity

AIR INTAKE SYSTEM

Donaldson 11" with vertical air intake incorporated into cabin.

EXHAUST SYTEM

Donaldson vertical muffler and exhaust stack

FUEL SYSTEM

Electronically controlled, inter-cooled

Easy access in-line fuel filter/water separator with drain

Single fuel tank, 260 L capacity

TRANSMISSION: ZF ECOMAT HP 500

5 speed overdrive, automatic.

Gear Ratio:

1st	2nd	3rd	4th	5th	Reverse
3.43	2.01	1.42	1.00	0.83	4.84

Optional PTO at 11 o'clock and or 1 o'clock positions

EST 18 electronic control unit communicates with the engine ECU, provides for smooth shift changes.

Input retarder fitted provides up to 1300 Nm braking torque.

Maximum geared speed of 112 km/h

FRONT AXLE: EATON E14601

Capacity: 6500 kg (14330 lb)

REAR AXLE: EATON RS404

Capacity: 11000 kg (24250 lb)

STEERING

Fully integrated, power assisted steering box.

Turns lock to lock 4.5

RATINGS	TARE MASS (kg)			DIMENSIONS (mm)							TURNING CIRCLE
	GVM	Total	Front	Rear	OAL	WB	WTF	WTR	OAH	OAW	CE
1700	7400	4300	3100	7800	4050	2020	1900	3200	2470	4250	15.5m

