

CAPITA Type 3b

TERBERG DTS UK LTD

Capita Type 3b (Iveco Daily)

Issue 7

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OUTLINE SPECIFICATION CAPITA TYPE 3B

The RRV structural fire vehicle is based on the Iveco Daily 70S18 4x4 van

Accepted/confirmed:

In the cab there are 2 front seats with 2 rear seats positioned behind the front seats and accessed by the side loading doors. This area also incorporates the BA and PPE stowage systems.

Accepted/confirmed:

Fitted in the rear cargo area is a Hale HPX75 B18 firefighting pump, hose reel, water tank and kit stowage systems.

Accepted/confirmed:

An RSG blue light system is fitted and controlled via a RSG MCS control unit

Accepted/confirmed:



Example photo of base vehicle

The RRV structural vehicles will be based on the new Iveco Daily 70S18 4x4 3595L H2 high top van. The 4 cylinder 3.0L turbo charged Euro 6 diesel engine (with AdBlue) will develop 180BHP and can accelerate the vehicle with a 6000kg gross laden mass from 0 to 80 KPH in less than 25 seconds. The vehicle has a top sustainable speed of over 105 KPH.

Accepted/confirmed:

The Iveco Daily comes with an 8 speed ZF 8HP-70Hi-Matic automatic transmission gearbox with a selectable low gear options. The vehicle also comes with Anti-lock front and rear disc brakes, vehicle stability control and traction control systems as standard. Single wheels and OFF highway 265/70R19.5 tyres fitted to both axles. A spare wheel and tyre is supplied loose.

Accepted/confirmed:

The 1900mm internal height roof gives ample space in the rear crew area to stand and move around with twin side loading glazed doors for access.

Accepted/confirmed:

PUMP BAY / FIRE ENGINEERING

Water Tank

Above the rear axle and behind the pump is situated the 850 litre (maximum) capacity water tank. The water tank is manufactured out of 9mm polypropylene copolymer plastic. The tank is internally baffled with an overflow which exits to the ground. A pressure release valve is fitted to the top of the tank. The water level is monitored by an electronic water level gauge. Please note the requested increase to the tank capacity from 700ltr to 850ltr is subject the vehicle still achieving the required tilt angles of 30 degrees.

Accepted/confirmed:

The tank is fitted with a discharge sump and a drain controlled by a ball valve adjacent to the pump.

Accepted/confirmed:

Adjacent to the water pump a 2.5" male instantaneous coupling with non-return valve, strainer, blank cap and chain is fitted for water tank charge /filling. The tank is rated to a filling pressure of no more than 3bar (44psi)

Accepted/confirmed:

Water Pump

A Hale HPX75 B18 single stage pump powered by an 18BHP Briggs and Stratton V twin, 4cycle petrol engine with electric start and is fitted with a USDA approved spark arrestor exhaust. The pump is rated at 450LPM at 7 Bar or approximately 120 LPM at 20 bar and is fitted with a thermal relief valve which vents back to the tank. It has 2 pressure outlets, one for the hose reel supply and one for the hand-line delivery valve; the hand-line outlet is controlled by a 2" butterfly valve and terminates in a 2.5" instantaneous female coupling positioned to the front left-hand side of the pump.

Accepted/confirmed:

Located on the right-hand side of the pump is the hose reel which is fitted with an electric rewind system. The hose reel is fitted with 55m of 22mm high pressure hose delivering 120 LPM at 20 bars.

Accepted/confirmed:

The pump is fed from the tank through 2.5" diameter pipework fitted with a butterfly isolation valve and also has a hydrant to pump 2.5" male instantaneous coupling.

Accepted/confirmed:

The pump is a petrol-powered unit and a 12 Litre aluminium fuel tank is provided which is positioned in the rear of the vehicle. The fuel tank filler is located on the NS side panel to the rear of the van.

Accepted/confirmed:

Pump Configuration



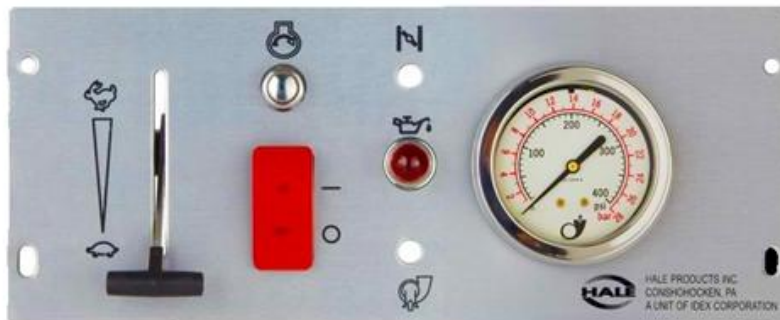
Pump Bay



Pump / Gauge Control Panel

The original Hale control panel is fitted centrally between the pump and hose reel. This panel incorporates cable operated throttle and choke controls, a master pump on/off switch, starter button and oil pressure warning light. A pump output pressure gauge is also provided on the righthand side of the panel. A separate panel located to the left hand side of the pump provides the fuel and water gauges.

Accepted/confirmed:



Loose Equipment Stowage

Equipment stowage drawers are located above the pump area. Comprising of 4 x high level slide and tilt drawers rated at 35kg SWL. The drawers are all housed in a light weight 40 x 40mm extruded aluminium frame system and have extruded aluminium sides with perforated aluminium bases. Equipment will be stowed using PAC mounts, plastic bollards and Casaid velcro straps.

Accepted/confirmed:



In Cab Storage System

To the rear of the front crew seats are the in-cab storage area and the 3rd and 4th crew seat. The seats are Jany IMMI smartdock BA seats finished in black vinyl. Behind the crew seats is the PPE storage area with a high level lockable locker above. The floor will be covered with coated aluminium tread plate.

Accepted/confirmed:

Loose Equipment (not supplied)

The end user supplied loose equipment (CES) will be suitable stowed in agreed positions. 12v feeds will be supplied for torch and lamp chargers in agreed positions.

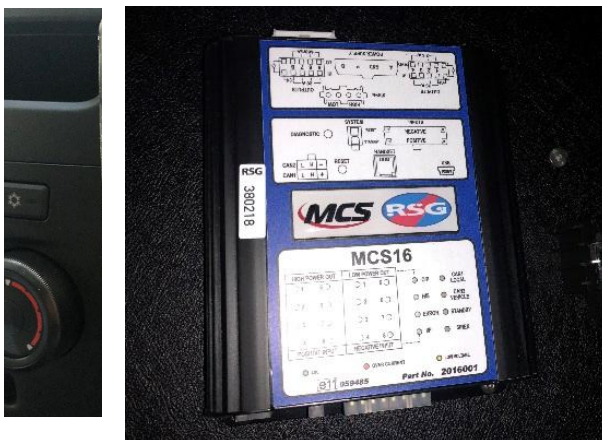
Accepted/confirmed:

ELECTRICAL

Warning Lights Control System

A RSG MCS control runs the lighting system switched by RSG universal hand set. Connected to the system are a siren amplifier and flat speaker which are operated through the vehicle horn. The control panel has 9 operation buttons, a master 999 button operates the blue light and siren instantaneously with single command buttons allowing individual operation as required. The remaining buttons operate the scene and spot lights, interior LED lights and the airport specific amber beacon.

Accepted/confirmed:



Hand Controller.

MCS Light Control Unit & Siren Amp.

Emergency Warning Lights

Mounted on the roof is a 48" LED light bar fitted with all round blues. To the front of the vehicle are 2 x blue/white stealth LED lamps mounted in the grill, 2 stealth blue front bumper fend off LED lamps with a further 2 stealth blue LED lamps mounted on the rear of the body. A CAP168 compliant amber flashing beacon is roof mounted.

Accepted/confirmed:

Spot & Scene Lights

Mounted above the sliding door on each side of the vehicle is a LED scene light to illuminate the external sides of the vehicle. Mounted externally on the roof to the rear of the vehicle are two adjustable LED flood lights.

Accepted/confirmed:



Side Scene Lights

Rear Flood Lights

Interior Light

The inside of the vehicle both in the body and crew area will be illuminated by LED strip lights.

Accepted/confirmed:

Auxiliary Battery

A simple split charge system is fitted to ensure that the any auxiliary batteries are charged when the vehicle engine is running. A battery charger and snatch plug is fitted to the vehicle, the auxiliary battery is also charged from the mains input when the vehicle is plugged into the 240v mains power.

Accepted/confirmed:

Battery Charger & Auto Eject System

A Ludo McGurks 240v/12v battery charger is fitted with battery protection facilities to ensure batteries are never over charged.

Accepted/confirmed:



A 3 pin Kussmaul 240v/30amp Auto Eject system is fitted to the N/S of the rear body to power the battery charger and any other mains powered equipment fitted.

Accepted/confirmed:



Paint and Finish

The entire vehicle will be finished in Iveco Red RAL3002, bumpers and external trim will be left in standard factory grey plastic. Wheel rims will be left in standard factory finish silver paint.

Accepted/confirmed:

All controls and warnings will be suitably labelled in English or internationally recognizable symbols.

Accepted/confirmed:

Basic 150mm high sign writing in a single colour on each side of the vehicle is included.

Accepted/confirmed:

Full reflective red/yellow Battenberg striping including reflective red/yellow rear chevrons is provided to end users requirements.

Accepted/confirmed:

A Supply Plus 4.85mtr Stowaway ladder is supplied and mounted onto a quick release bracket. The bracket is mounted externally on the rear door of the van

Accepted/confirmed:

End