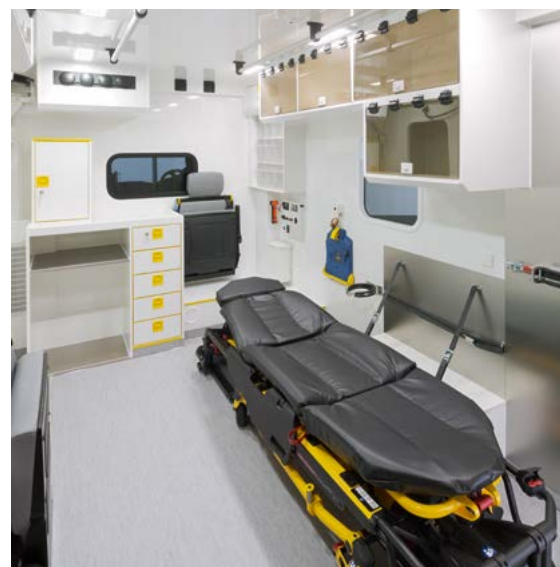


ECO 3.5t AMBULANCE

GOING GREEN TO PROTECT OUR ENVIRONMENT DRIVEN ON A B LICENCE

The new WAS 500 Eco 3.5 tonne ambulance operates with a GVW of 3500kg, this aids with the recruitment of young paramedics as the C1 licence is no longer needed. The ambulance operates with 750kg less weight than a UK national specification ambulance. This weight reduction delivers massive savings of up to 20% on emissions and fuel consumption, according to our Millbrook independent testing. And this will deliver savings of approximately 2,500 tonnes of CO₂ and £1.5 million in fuel savings per annum for a typical NHS front line fleet. We have achieved this without compromise as it includes a full set of equipment at 285kg and space for five people at 90kg, which exceeds the requirements of EN 1789 with a 825kg payload. This design has been achieved by using a lightweight aluminium semi monocoque construction paying attention to every component fitted to the vehicle. The ambulance body is mounted to a Fiat AL-KO chassis, this provides further weight savings compared to a standard OEM chassis. The AL-KO chassis also provided a wheelbase of 3460mm which gave the vehicle an improved 11mtr turning circle, the current national specification ambulance only has a 13mtr turning circle.



SPECIAL FEATURES

- Reducing CO₂ emissions and fuel by up to 20%
- Driven on a 'B' licence
- 825kg payload
- Low floor easy access
- 11 mtr turning circle
- Auto loading stretcher system
- WAS easy remount box system
- 245mm more internal width than a Fiat van conversion
- Heavy duty doors and hinges
- R66 tested body construction

BASE VEHICLE

Model	Fiat Ducato
Type	2.3 Multi Jet H1 Euro 6
Gearbox	Manual
Type of vehicle	Box body
Wheel base	3460mm
Fuel	Diesel
Maximum total weight	3500kg
Licence category	B

BOX BODY

Model	WAS 500 3.5 Eco Modular Box
Internal dimensions	Length: 3225mm Width: 2045mm Height: 1980mm
External dimensions	Length: 3295mm Width: 2130mm Height: 2135mm



Making vehicles special

DRIVING RECRUITMENT

Introducing the groundbreaking **3.5 tonne DCA**



Making vehicles special

BEGIN YOUR JOURNEY TO A GREEN FLEET

Driving down CO₂ emissions and fuel costs by **20%**



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THE GROUNDBREAKING 3.5 TONNE DCA SET 'TO TURN BLUE LIGHTS GREEN'

The new WAS 500 3.5 tonne DCA has arrived.

This highly-anticipated vehicle will be unveiled at this year's Emergency Services Show (ESS) in Birmingham, Wednesday 18 – Thursday 19 September 2019.



ECO 3.5t AMBULANCE MEETING THE NEEDS OF OUR TIME WITH A STATE-OF-THE-ART VEHICLE

3.5 tonne weight capacity, but with the introduction of more and more life-saving medical equipment and loading systems the operating weight of ambulances has continued to increase. The WAS innovative, 'semi-monocoque' lightweight aluminium body combined with a state-of-the-art chassis system has enabled this previously out of reach goal once again to be a reality, putting the UK at the very forefront of mobile medical technology.

All of the WAS UK test data has been independently validated by Millbrook testing ground. Emissions and fuel consumption were compared for normal driving, emergency driving and overall.

Lord Carter's report into unwarranted variation in the ambulance service identified the need to make efficiencies in the ambulance service, including development of a minimum standard ambulance specification. NHS Improvement's recently launched national ambulance specification provided an opportunity to set a new standard for vehicle specification, with a focus on innovation, the environment and to address the practical challenges faced by the service up and down the country. Neil Le Chevalier comments, "Trusts would welcome a lighter vehicle – it's something that's been talked about for a number of years. The new specification is a minimum standard currently, it has been designed to be constantly renewed and updated. There are plans for an innovation group to be set up and I hope that they will also take into consideration the benefits of this newer, lightweight vehicle."

Neil Le Chevalier adds: "In the South Western Ambulance Trust we'd welcome the opportunity to pilot this innovative new 3.5 tonne vehicle. A lightweight, 3.5 tonne vehicle helps to address the issues we're facing in the service in the longer term together with improved environmental and safety credentials."

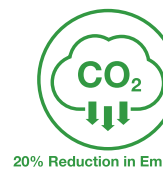
John Rumsey, explains: "The 3.5 tonne DCA is the new vanguard in terms of ambulance design and judging by the results of our recent poll, conducted on social media, more than 60%¹ of respondents would like to see the vehicle added to the new ambulance specification. In the future all newly qualified paramedics, technicians and workshop staff will be automatically licensed to drive our vehicles and there will be no need for costly C1 licence tests. We hope that this is a significant development in supporting the NHS recruitment of young paramedics into the Ambulance Service."

If you'd like to find out more information about the new WAS 500 3.5 tonne vehicle, find us at ESS 2019, stand J65 or please contact wasukinfo@was-vehicles.co.uk, or speak with Tom Howlett on 07496 982199 or 0845 459 2785.



References

¹ Twitter poll of 511 people, 62% responded yes to including a 3.5 tonne box in the National Ambulance Specification



20% Reduction in Emission



20% Reduction in Fuel



Driving Recruitment



825Kg Payload

John Rumsey, Commercial Manager at WAS UK, is looking forward to unveiling the vehicle in Birmingham:

"I believe that our 3.5 tonne frontline DCA is a game changer in the market. A 3.5 tonne DCA really is the 'Holy Grail' in terms of ambulance design and we have achieved this by using an aircraft grade aluminium 'semi-monocoque' design resulting in the lightest frontline ambulance on the market today. This weight reduction delivers massive savings of up to 20% on emissions and fuel consumption compared to the average NHS front line fleet and, according to our Millbrook tests, this will deliver savings of approximately 2,500 tonnes of CO₂ and £1.5 million in fuel savings per annum for a typical NHS front line fleet."

We have achieved this without compromise as it includes a full set of equipment at 280kg and space for five people at 90kg, which exceeds the requirements of EN 1789. Our next step is to ensure that the NHS improvement team add this design to the National Specification by the end of 2019.

The NHS long term plan also makes commitments to cutting mileage and air pollution by a fifth (20%) by 2024 and ensuring 9 out of 10 vehicles are low emission within a decade."

Director of Operational Services at South Western Ambulance Service NHS Foundation Trust, **Neil Le Chevalier**, tells us how the arrival of this new vehicle will address key issues affecting the ambulance service head-on:

"In South Western Ambulance Trust we do 24 million miles a year – we're a rural service – so we're always interested in new ways to be greener. The new WAS 500 3.5 tonne vehicle is good for fuel economy as well as for the environment."

Sales Engineering Manager at WAS UK, **Tom Howlett**, explains the environmental benefits:

"As you would expect from a lighter vehicle, the new 3.5 tonne ambulance provides environmental benefits; it reduces air pollution (CO₂) by up to 20% compared to a current national specification van. This enables our customers to meet the target set by Simon Stevens well ahead of the 2024 target. Fuel consumption is also reduced in line with the emissions reduction, in the case of South Western Ambulance Trust this figure will be hundreds of thousands of pounds."