

The sixth generation has arrived

Words Andrea Cattaneo

Fiat presents the new Euro6 Multijet2 engines, top in class in terms of fuel efficiency and deliver high torque at low rpms, a feature which is highly appreciated by motorhome drivers. The 130, 150 and 180 Multijet2 engines are also available with "Comfort Matic" robotised gearbox for relaxing driving.



Fulvio Ceresa - Product Planning
Fiat Professional Recreational
vehicles

The sixth generation of FIAT Ducato has been presented: a perfect solution to the requirements of handling, comfort, safety, performance, fuel-efficiency and environment-friendliness. The engines, all Euro6, are provided with Low Pressure EGR technology (LPEGR), which intercepts the exhaust gases after the DPF and returns them to the combustion chamber via a low-pressure circuit. This system has two advantages: it abates NOx emissions by means of a lower combustion temperature and saves fuel by ensuring better efficiency of the turbine. Furthermore, all the engine in line-up of Ducato are top in class in their power class in terms of fuel efficiency and delivery high torque at low rpms, which is a highly appreciated

feature by motorhome drivers. The Multijet2 engine range delivers power from 115 to 180 HP: an offering capable of satisfying the most diverse needs of motorhome producers and end customers.

"To comply with Euro6 regulations, we have developed a specific solution for the combustion gas treatment called Low-Pressure EGR technology", says Fulvio Ceresa, Product Planning Fiat Professional Recreational vehicles & Converters "The system intercepts exhaust gases after the DPF, and feeds them back to the combustion chamber through a low-pressure circuit. This brings two main advantages: lowered combustion temperature reduces NOx emissions and improved turbo-charger efficiency allows fuel savings.

Compared to mainstream Euro6 systems, ours is lighter, simpler, easier, more economic to maintain and it does not require the use of AdBlue".

The 2-litre 115 Multijet2 is the most economic and eco-friendly of the range, ideal for camper vans. It has 115 HP and 290 Nm of torque. Fuel consumption is reduced by 6 percent with respect to the previous Euro5+ version. It is now available with new six-speed gearbox and a right-hand drive version.

The 2.3-litre 130 Multijet2 engine is the ideal best-seller for medium-sized motorhomes: it is easy to drive in all conditions with a maximum torque of 320 Nm available already at 1800 rpm. It is ideal for mixed use: agile in traffic, brilliant on long hauls. Once again, fuel con-



sumption is reduced by 3 percent with respect to the previous version. The upgrades made to the 2.3 150 Multijet2 make this engine ideal also for chassis cab or cowl. The maximum torque is reaches 380 Nm, available from 1500 rpm. Also in this case, fuel consumption is reduced by 3 percent with respect to the previous Euro5+ version.

"Finally there is the powerful 180 Multijet2, is ideal for large and heavy motorhomes or performance-oriented Customers" keeps on Fulvio Ceresa, "It delivers the same level of torque and power as the previous 3-liters engine but its fuel consumption is almost 20% lower, it weighs 40kg less, so offering very useful extra payload. A result that has been achieved by improving the aerodynamics of the turbo-compressor, introducing a special-steel drive-shaft, reinforcing pistons and increasing the fuel pump capacity". Other important news concerns the entire range: a new reinforced

alternator available on request which reduces charging time by 10%, and a new dual mass flywheel on 150 and 180 Multijet2, which ensure less vibrations and consequently better driving and travelling comfort".

The robotised "Comfort Matic" transmission is available on all 2300 cm3 engines. In addition to automatic and manual mode, the "Comfort Matic" transmission has "Up" mode, designed to obtain the best performance on the most demanding roads. Travelling in a Ducato Motorhome today brings with it the reassurance of having access to over 6,500 Fiat Professional service points, equipped for servicing and repairing Ducato-based motorhomes, of which over 1,800 Fiat Camper are specifically dedicated to motorhomes. Today, 24 hours a day, seven days a week, users can call the dedicated roadside assistance and Customer Care centre and speak with one of the twenty Brand

Ambassadors who have consolidated know-how on motorhome products and are ready to provide answers, in the caller's language, and quickly solve their problems by interfacing and coordinating with other teams within the organisation, if needed. Customer Care is increasingly integrated with roadside and workshop assistance: all motorhome end-users can rely on a mobile workshop ready to reach them in no less than 44 different countries. The service range is truly complete: the Mopar Vehicle Protection offer "Maximum Care Camper" extended warranty is a programme providing servicing coverage for all mechanical and electrical components of Ducato with various time and mileage options, valid all over Europe.

Fiat Ducato: the star

Bertrand Noguès, Light Commercial Vehicles Sales Converters Manager says "The star in our range is, and will continue to be, Ducato, the European best-seller in the "large van" 2.8 to 4 ton segment and also first in 9 National markets. Last year Ducato totalled a market share of 21%, some 4 points ahead of the second player and in the first quarter 2016 it reached nearly 23%. Actually about 3 out of 4 Motorhomes in Europe are produced on a Ducato base. Ducato is the absolute leader in this industry due to an intuition: we have developed product, features and services always with the motorhome Customer in mind. When I say "Customer", I mean both motorhome producers and end users. Ducato tailored contents meet the expectations of both motorhome producers and users from pre-cut roof to lowered chassis and from enhanced suspension systems to extended rear track. Ducato is leading this evolution as the most suitable vehicle for camper/van conversions having an ample and regular-shaped cargo compartment, an optimal ratio between overall length and cab length, low access threshold with wide sliding door, more than 200 configurations available as van/camper base".

Technical features

Cab	Ducato
External Dimensions	
Wheelbase [mm]	3000 3450 3800 4035 4300
Length [mm]	4908 5358 5708 5943 6308
Width [mm]	2050
Weights	
GVW [kg]	from 3,0t to 4,4t
Max Load Front [kg]	up to 2100kg
Max Load Rear [kg]	up to 2500kg

Engine	115 Multijet 2 / 130 Multijet 2 / 150 Multijet 2 / 180 Multijet 2 Power
No. of cylinders, layout	4, straight
Emissions standard	Euro 6
Timing (control)	DOHC (toothed drive belt)
Fuel	Electronically controlled Common Rail Multijet 2 direct injection with variable geometry turbocharger and intercooler
Ignition	Compression
Drive	Front
Clutch	Dry single disc and hydraulic release device
Gearbox: no. of gears	Manual 6+R
Type	Rack and pinion, power assisted
Turning circle (kerb to kerb)	Short wheelbase 11.4 m – Medium wheelbase 12.8 m – Medium long wheelbase 13.9 m – Long wheelbase 14.4 m
Type	Double H I circuit front and rear disc brakes. ABS and electronic brake force distribution (EBD)
Front	Independent, McPherson type with wishbones, coil springs, telescopic shock absorbers and anti roll bar
Rear	Rigid tubular axle and longitudinal parabolic leaf springs, telescopic shock absorbers and flexible side buffers



Engine	115 Multijet 2	130 Multijet 2	150 Multijet 2	180 Multijet 2 Power
Displacement (cm3)	1956	2287	2287	2287
Compression ratio	16.5:1	16.2:1	16.2:1	17.5:1
EC max. power: kW (HP) rpm	85 (115) / 4000	96 (130) / 3600	110 (150) / 3600	130 (177) / 3500
EC max torque: Nm (kgm) rpm	290 / 1750	320 / 1800	380 / 1500	400 / 1500
Battery capacity (Ah)	95 Ah	95 Ah	95 Ah	110 Ah
	110 Ah with opt. oversized battery	110 Ah with opt. oversized battery	110 Ah with opt. oversized battery	
Alternator (A)	150 A	110 A, 140 A with climate control system	110 A, 140 A with climate control system	110 A, 140 A with climate control system
		200 A with opt. oversized alternator	200 A with opt. oversized alternator	200 A with opt. oversized alternator

Talento: the camper of the future



Sébastien Potel
Recreational Vehicles
Marketing & Service Manager

From the end of June the new Fiat Talento is on the market throughout the EMEA. The new camper is equipped with Euro 6 engine and the new 145 Cv TwinTurbo, which constitute a great base for the construction of campers with 8.6 cubic meters capacity.

Words Andrea Cattaneo



The new Talento fits in the medium vehicle segment and features a great potential in the field of recreational vehicles. We met Sébastien Potel, Fiat Professional – Recreational Vehicles Marketing & Service Manager, who has outlined the characteristics that make Talento successfully fit among the vehicles used for the campervan construction.

"A new type of customer appreciates the campervan solution - says Sébastien Potel - because it can be used as a passenger car or transport vehicle during the week and become a recreational vehicle recreational on weekends and holidays. For this use, in addition to the Ducato, also the new Talento can be an ideal basic vehicle for the camper construction with its 8.6 cubic meters capacity. Talento collects the Scudo's inheritance but improves the shapes that, being more squared, better adapt to the builders' work. This characteristic makes Talento stand out from any competing vehicles in the same segment.

As to the engine, thanks to the new TwinTurbo 145cv, Talento offers top-level performance characteristics that ensure car-like performance to those travellers who love active driving even when behind the wheel of a recreational vehicle. On average, the Talento target customer is young, active, demanding and versatile: Talento, likewise, may cover the role of a car during the week and of recreational vehicle on weekends. From the exterior style point of view, Talento is compact and well proportioned: the cut-

ting-edge windscreen smoothly blends with the short bonnet and the overall effect is that of an impressive yet dynamic front. Talento is available in three variants: Base, Tecno and Elegant. Each of them offers different layouts related to dashboard and fabrics, two types of 17" alloy wheels, painted/non painted bumpers, 6 exterior styles involving different combinations of front, bumper and bezel. In particular, Fiat Talento cockpit is characterized by several closed and open compartments especially designed as an evolution compared to the Scudo. The on board safety equipment is one the most advanced on the market. Fiat competitiveness in this segment is definitely supported also by the extraordinary network of 6500 service points built for Ducato throughout Europe, of which 1800 are dedicated to camper models, whose capillarity and competence will be also available to Talento's final customers throughout the continent". Any model features ABS complete with EBD (Electronic Brake Distribution) and EBA (Emergency Brake Assist) as well as ESC system with Hill Holder and Traction+. Side airbags, window-bags and a trailer stability aid system (TSA) are available on demand. The latter, guarantees a perfect stability when towing: in fact, if the vehicle begins to spin, TSA automatically modulates the engine's power and the braking force applied to each wheel, thus stabilizing both the vehicle and the trailer. The front parking assistance system and the internal mirror built-in rear camera are supplied as well.

Talento comes with two wheelbases, medium and long, two overall weights from 1 and 1.2 tonnes, three 1.6 liters diesel, homologated Euro6 engines, capable of satisfying the driving requirements of any customer. The vehicles range offers: 120 hp and 300 nm 1.6 MultiJet Turbo; 125 hp and 320 nm 1.6 EcoJet S&S TwinTurbo; and 145 hp and 340 Nm 1.6 EcoJet S&S TwinTurbo, versatile and suitable for recreational use with torque and power available even at full load.

All Talento engines are based on SCR (Selective Catalytic Reduction) system that reduces emissions of nitrogen oxides, which are dangerous to human health, by injecting a solution of AdBlue® in exhaust gases. The AdBlue® is a water-based, non-toxic and non-flammable fluid, which is added downstream of the engine in the exhaust system, to maximize efficiency and reduce the amount of pollutants released into the atmosphere. In the dimensions design phase, the height of the vehicle was contained within ideal 197.1 cm, with obvious advantages in terms of parking in urban centers and motorway tolls. A high roof version is also available. The Talento endowment is completed by the 7" on board touch car stereo Nav including: navigation system, AM/FM RADIO (+DAB), USB and AUX sockets for music files storage and Bluetooth® technology for hands-free phone use. Finally, the Bluetooth® car stereo (USB and DAB) and the on-board CD Bluetooth car stereo are available as well.