

SPECIFICATIONS PERAVES W-18K12TM SUPER-TURBO-MONO-ECO 1200ccm)*

VEHICLE BODY & STRUCTURE

Composite self-supporting monocoque structure without frame made from carbon-, KEVLAR-)** and e-glass-cloth bonded by ARALDITE)*** epoxy resin, reinforced with aircraft-grade-steel-crash- & rollbars. Engine frame, steering head and stabilizer axles also made from argon-arc-welded aircraft grade steel. Front suspension by PERAVES high tech teleforks, rear BMW-MONOLEVER with shaft drive. Gull-wing-door opening to the left, removable sunroof, tinted acrylic perspex glazing. Rear 200 ltr baggage compt. SAE-hardpoints for 3-point-automatic-safety-belts. Frontal-airbag-support on steering-head triangle. Paint according to customers specification.

MECHANICS

4-cylinder-in-line-BMW-K1200-engine, liquid cooled. IHI-turbocharger with intercooler, bypass-pop-off and wastegate control. Reinforced monodisc clutch, reinforced PG-gearbox, 4 fwd speeds + electrically unlockable reverse. Electrical push-button-select-shift gear change. Reinforced shaft drive. 3 x 320-mm-SGL-CARBON ceramic brake discs, 3x4-piston calipers with ceramic brake pads. Patented PERAVES-fully-integrated combination brake system with electronic racing-ABS and AWS (anti-wheel-spin). Magnesium 3- or 8-spoke-rims MT-H2 type, 3.50x17" front and 5.50x17" rear. ZR-racing tires 150/60-17 front and 180/55-17" rear. Semi-automatic stabilizer control system hydraulically operated and supervised by new multichannel computer.

EQUIPMENT & ACCESSORIES

2-color-leather-seat with 3-point-automatic-belt-system. Frontal-crash-airbag. Interior grey padding, black carpets and noise-suppressing foam clad structure. Self-locking baggage compt. by headrest clapet. Instrumentation including manifold-pressure-, fuel- and coolant-temp-gauges. Ventilation- and heating system with 3-stage-blower, mirror-defogging, summer-vent-door-spacer. GPS-NAV, audio-CD-systems, cruise control, fisheye-fog-lights, airconditioning, theft-warning ect. available optionally.

OPERATION

Motocycle-handlebars with extended functions. Stabilizer-switch and gear selector left side, aux-brake-lever and twist throttle right side. Left clutch pedal, right combi-brake-pedal, switchboard with master warning light and multifunction indicator below airbag.

SOME FIGURES

Ops. weight 365 kgs, fuel tank 20 ltrs, max. weight 550 kgs.
Dimensions: L = 3.000 mm W = 960 mm (=stabilizer track width) H = 1.410 mm
Wheelbase = 2.180 mm, turning circle btwn. walls = 7.850 mm
Engine output 155 kW (212 HP) at 8000/min, torque 193 Nm at 5250/min
Acceleration 0-100 in 3,9 sec, top speed depending on gearing up to 330 km/h
Stopping distance 100-0 = 38,7 m Consumption ISO 7118 at 90 km/h = 4,10 l/100 km

The PERAVES W-18K12T SUPER-TURBO-MONO-ECO is a street legal prototype embodying the most advanced technology available here, fully competitive on race tracks with todays most advanced superbikes. A small production batch might be started if demand requires so, naked racing version incl. street homologation will be priced at a ballpark of EUR 88.500.- / CHF 130.000.- ex factory tax-free. Earliest delivery time starting summer 2004.

)* PERAVES ECOMOBILES are protected by patents and patent-applications

)** KEVLAR is a registered trademark of DU PONT

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