

BMW Motorrad
High Performance



The Ultimate
Riding Machine

HP2 Enduro

Passion for Performance.

HP2 Enduro.







The genius is in the detail:
a spirit level for calibrating
the damping.

For cruising the streets:
the HP2 Enduro with 17-inch
road wheels.

“HP stands for high performance. And high performance is achieved by focusing only on the essentials, and getting rid of anything that does not contribute to this objective. This ruthless elimination of excess weight combined with a wealth of radical design details has resulted in a truly unique motorcycle. BMW Motorrad’s design engineers have had this vision for many years. Now finally the world is ready for it.”



"I earn a lot of frequent flyer miles."



“Great roads around here.”

Look, no spring!

A world first: the HP2 Enduro is the first production motorcycle to feature the Air Damping System, a spring damper mechanism that runs exclusively on air.

High-tech made easy.

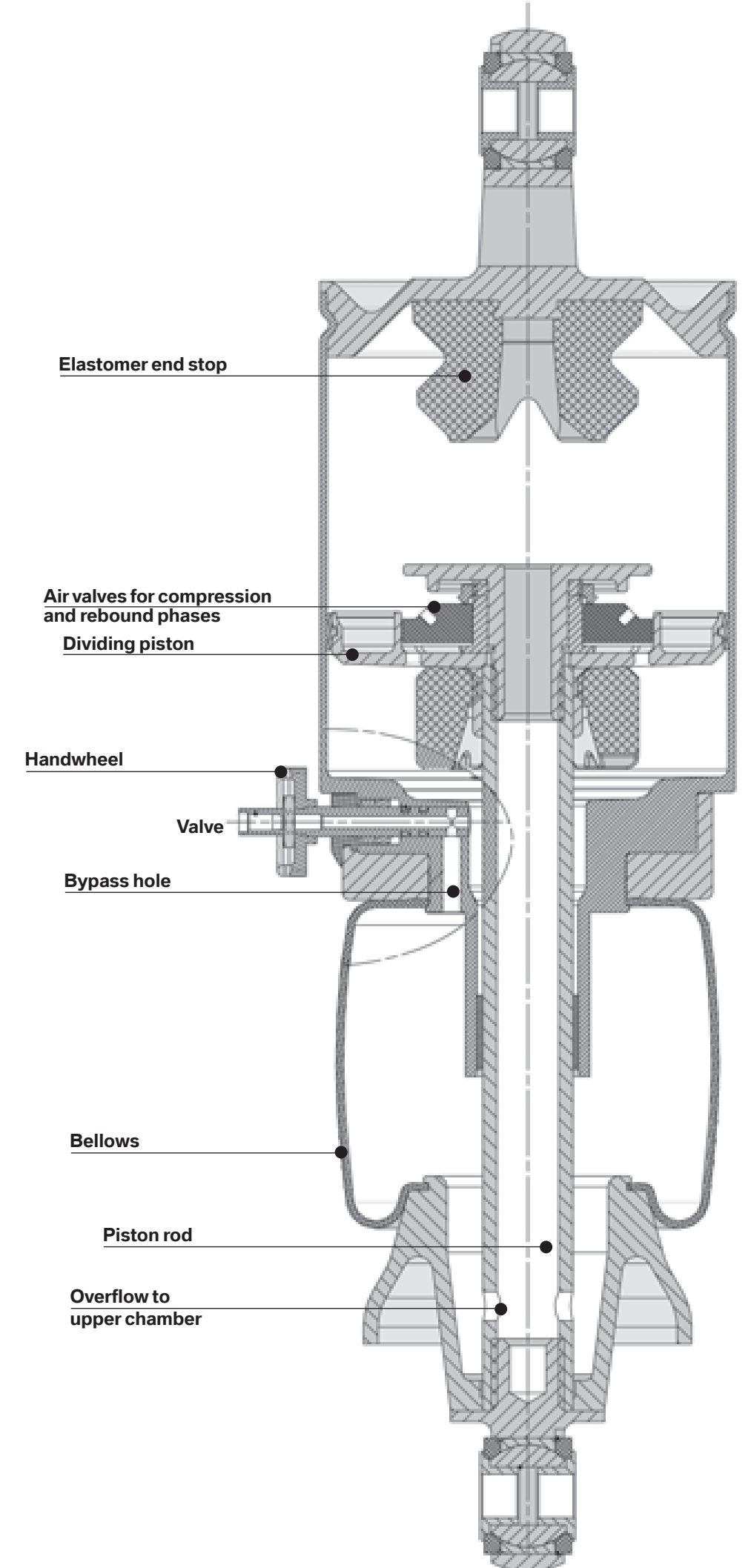
Technology doesn't have to be complicated to be innovative. With the Air Damping System, simply adjusting the air pressure to the rider's weight is enough to ensure the optimum balance of compression and rebound damping. And the adjustment process could hardly be easier. All the rider has to do is sit on his bike on a flat surface, and turn the valve on the Air Damping System until the spirit level built into the bike is correctly aligned.

The air pressure can also be adjusted manually, using a hand pump stowed under the seat to increase it, and a release valve to decrease it. Once the suspension has been set up in this way, the damping can be fine-tuned in both Sport and Competition modes via a handwheel on the suspension strut.

Advantage BMW.

BMW Motorrad's new Air Damping System has a number of advantages compared with oil-damped suspension struts with coil springs. It manages to combine involving feedback with outstanding stability, so you enjoy a smooth ride even on rough terrain. This lightweight solution is also completely maintenance-free.

Riding on air.





“Someone asked me the other day if there was any way the chassis could be improved.”



“I’m still thinking about it.”



"It's like a 1200-cc BMX."

Total freedom at your feet.



The generously sized footrests and narrow seat of the HP2 Enduro allow riders to really throw their weight around. Because freedom of movement is vital to getting maximum performance from your machine, especially in slow, twisting, technically demanding actions. And the high-torque boxer engine with its low centre of gravity and smooth power delivery is the perfect complement to the HP2 Enduro's rider-friendly handling, ensuring you can cross even the most challenging of terrain with the minimum of fuss.

**“105-horsepower* power drifts.
Any questions?”**

* 77 kW



Technical data

Engine

Type	Air/oil-cooled 4-stroke, 2-cylinder boxer, twin camshafts, four valves per cylinder
Bore x stroke	101 mm x 73 mm
Capacity	1,170 cc
Output	77 KW (105 bhp) at 7,000 rpm
Max. torque	115 Nm at 5,500 rpm
Compression ratio	11.0 : 1
Fuel/engine management	Electronic intake pipe injection, BMS-K digital engine management with overrun fuel cut-off, double ignition
Emission control	Regulated 3-way catalytic converter, compliant with EU3 emission standard

Performance/fuel consumption

Maximum speed	200 km/h
Fuel consumption – 100 km at a constant 90 km/h	4.1 litres
Fuel consumption – 100 km at a constant 120 km/h	5.5 litres
Fuel type	Super plus unleaded 98 octane (RON); can also be operated with minimum 95 octane (RON) due to automatic knock control

Electrics

Battery	12 V/12 Ah
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Transmission

Clutch	Single-disc dry clutch, hydraulically operated
Gears	Synchromesh 6-speed helical gearbox
Drive	Shaft drive

Chassis/brakes

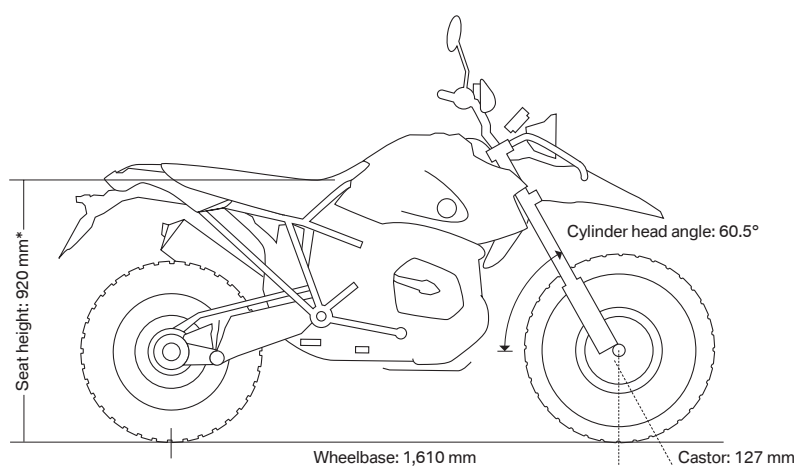
Frame	Steel space frame
Suspension, front	USD fork with WAD travel-related damping, 45 mm diameter, compression continuously adjustable within two zones, rebound continuously adjustable
Suspension, rear	Die-cast aluminium single-sided swinging arm with BMW Motorrad Paralever, innovative Air Damping System, spring pre-load and damping infinitely adjustable via a pneumatic mechanism
Travel, front/rear	270 mm/250 mm
Rim size, front	1.85 x 21" cross-spoke wheel
Rim size, rear	2.50 x 17" cross-spoke wheel
Tyre, front	90/90 - 21
Tyre, rear	140/80 - 17
Brakes, front	Single disc brake, diameter 305 mm, double-piston floating caliper
Brakes, rear	Single disc brake, diameter 265 mm, vibration-damped, double-piston floating caliper

Dimensions/weight

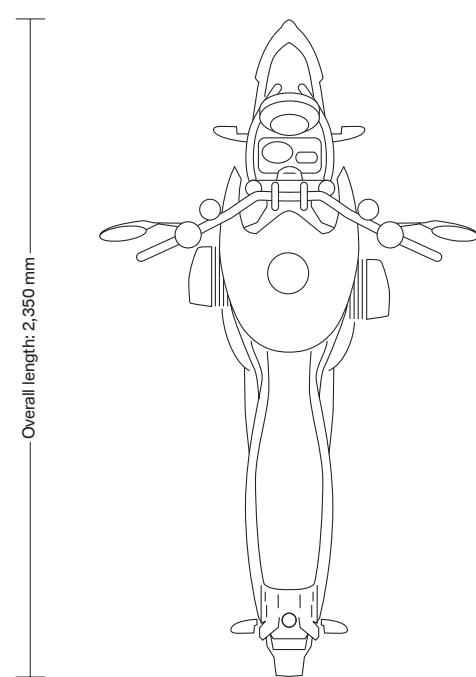
Seat height	920 mm
Unladen weight (fully fuelled/road ready)*	195 kg
Dry weight**	175 kg
Max. permitted total weight	380 kg
Usable tank volume	13 l
Reserve	2 l
Length	2,350 mm
Width (across mirrors)	880 mm

* As defined in EU directive 93/93/EEC, filled with all operating fluids, fuelled to at least 90% of usable tank capacity.

** Without fluids.



Width: 880 mm



All figures relate to motorcycle with normal load (= inc. 85 kg for rider).
* Figure relates to unladen motorcycle as per DIN standard.



For off-road riding without compromises: the HP2 Enduro with enduro tyres.

The Enduro package (fitted as standard).

The Enduro package, supplied as standard, gives your HP2 Enduro the professional equipment it needs to meet any challenge.

- Hand protectors (not illustrated)
- Headlight guard
- Rear axle guard
- Cylinder guard
- Brake snake



Headlight guard

A sheet of clear plastic mounted in front of the headlight prevents damage from flying stones. For off-road use only.



Brake snake

A metal cable between the foot brake lever and the engine prevents objects such as rocks and branches from jamming the brake.



Rear axle guard

Greatly reduces the risk of damage to the rear axle transmission casing when riding on hard surfaces.



Cylinder guard

A slimline yet heavy-duty plastic protector to prevent damage in the cylinder/throttle valve area.

Ready to rumble. HP2 Enduro.

The HP2 Enduro is fitted as standard with an array of special components.

- Grab bar
- USD fork with WAD travel-related damping
- Air Damping System
- Plastic cylinder guard
- Spare wheel mounting point on rear wheel
- Detachable number plate mounting



17-inch road tyres

This wheel set comprises rear and front rims (including brake discs), pre-fitted with tyres. It can easily be fitted in place of the enduro wheels.



Height-adjustable foot brake lever

The height of the foot brake lever can be adjusted by about 20 millimetres without the need for a tool, ensuring maximum comfort in both the seated (on-road) and standing (off-road) positions.

For those who want a little bit extra.

Useful accessories to suit every need.

- Enduro rear bag
- BMW Navigator with base unit
- Pillion passenger footrests
- Emergency valve cover repair kit
- Low seat
- Steering column guard
- White indicators
- LED white indicators*



Sport silencer

The 100-per cent titanium sport silencer from Akrapović® weighs just 2.2 kilograms (approx.) and sounds every bit as good as it looks.



Enduro tank rucksack

Specially designed for the HP2, this tank rucksack is both stylish and totally waterproof. The main compartment includes a generously sized map pocket. Capacity is expandable from 12 to 18 litres.

* Available from spring 2007.

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