



STRONG. ECONOMICAL. GENTLE.

THE BW 174 AP HYBRID – DRIVE THE FUTURE TODAY.



INNOVATIVE TECHNOLOGY – ULTIMATE PERFORMANCE.

INTELLIGENT COMPACTION

- ASPHALT MANAGER: One for all
- Infinitely variable from gentle to powerful
- Easy operation
- 6,000-hour drum warranty

UNIQUE DRIVE TECHNOLOGY

- Combination of hybrid accumulator and diesel engine
- Always the right power





EXCELLENT COST EFFECTIVENESS

- 20% lower fuel consumption
- No AdBlue required
- Low cost per ton of compacted asphalt

EXEMPLARY ENVIRONMENTAL FRIENDLINESS

- 20% less CO₂
- Bio-hydraulic oil (optional)
- Diesel particulate filter
- 98% of the machine can be recycled.

NUMBER ONE FOR EFFICIENCY AND THE ENVIRONMENT. THE FIRST THREE-IN-ONE HYBRID.



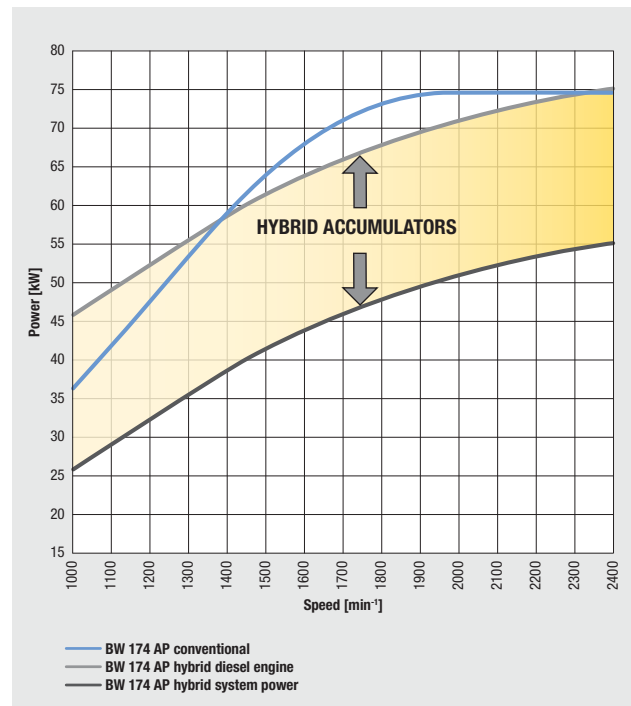
With the new BW 174 AP hybrid, BOMAG has squared the circle of efficiency and environmental friendliness. This innovative tandem roller combines an innovative hydraulic accumulator with a diesel engine and ASPHALT MANAGER to create a highly efficient drive unit. This has a positive effect on both operating costs and the environment.

EXTREMELY POWERFUL.

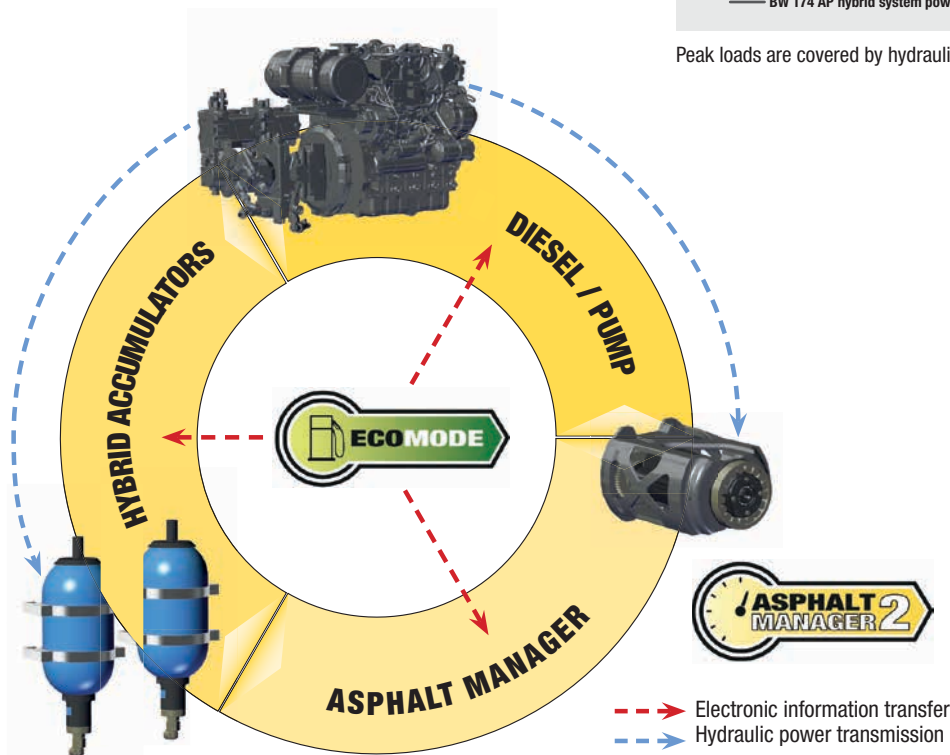
- Coverage of peak loads by hydraulic hybrid accumulators
- The diesel engine covers the base load
- Compact design
- Engine operation with maximum efficiency

EASILY COVER PEAK LOADS.

- Increased efficiency due to state-of-the-art Kubota engine with common rail injection
- The power is transferred directly to the cranksaft via the pump/engine unit.
- Ultra-fast provision of up to 100 Nm of torque and 20 kW of power
- 75 kW total output like a machine with pure diesel drive



Peak loads are covered by hydraulic accumulators.



Diesel engine, hydraulic accumulator and compaction system are combined to form a highly efficient system solution.



Highly efficient drive unit – diesel engine with hydraulic accumulator.

IMPRESSIVE POWER.

- Highly efficient hybrid accumulator
- Charge in seconds in push mode
- Energy recovery instead of consuming fuel
- Optimum hybrid power at every vibration start



TOP EQUIPMENT AS STANDARD.

- Emission standard V
- Diesel particulate filter
- ECOSTOP idle speed shutdown
- ECOMODE speed control
- Split drums



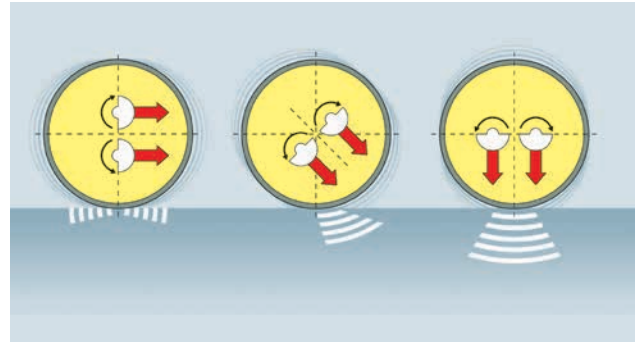
Fuel consumption and CO₂ emissions are reduced by up to 20%.

LOW CONSUMPTION WITH THE SAME POWER.

- Lower fuel consumption
- Reduced CO₂ emissions and noise
- Less wear
- Low operating costs per ton of compacted asphalt

INFINITELY VARIABLE. UNPRECEDENTED. UNRIVALLED.

ASPHALT MANAGER is the only system with infinitely variable compaction force. Its integration into the hybrid system guarantees the required vibration frequency even under the highest loads – a must for best surface quality and compaction output.



Low-energy vibration acceleration thanks to ASPHALT MANAGER.

INTELLIGENT AND FLEXIBLE.

- Linear directed oscillation with optimum effective force
- Infinitely adjustable amplitude
- Automatic control
- The driver only selects the layer thickness, the machine takes care of the rest
- Easy to operate
- Temperature always in view
- The end of compaction is signalled:
 - E_{VIB} target achieved
 - Amplitude is reduced.

= Top quality with a minimum number of passes

PERFECT COMBINATION.

- Low energy requirement when vibration is activated
- The target frequency is quickly reached
- Permanent automatic control of impact distance
- This ensures perfect surface quality at all times



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