



The basis for high economy: the optimised crusher direct drive of the new EVO2 generation from Kleemann.

IMAGE SOURCE: Wirtgen Group; Kleemann

New EVO2 Generation for Sustainable Use

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Environmentally sound combined with an economic solution

- The MOBICONE MCO 90(i) EVO2 has a holistic drive concept that forms the basis for high economy
- The two new generation EVO2 machines are equipped with a patented power train
- A robust and easily accessible transmission guarantees efficient power transmission
- Power and load dependant fan drive also ensures low noise and economical operation in order to ensure easy access on one job site

- One operator has been able to make use of this machine safe thanks to their own workable equipment

The jaw crusher MOBICAT MC 110(i) EVO2 and the cone crusher MOBICONE MCO 90(i) EVO2, with their efficient crusher direct drive, have a holistic drive concept that forms the basis for high cost-effectiveness.

Crusher direct drive with electric auxiliary drives – fuel-efficient and quiet

Both machines of the new EVO2 generation are equipped with a patented power train. The crusher is driven directly, enabling high fuel-efficiency, via a reliable fluid coupling. Conveying components, such as the vibrating feeder, the double-deck prescreen or the discharge conveyors, are all-electric. A robust and easily accessible gearbox guarantees efficient power transmission. It not only operates with a high level of efficiency but also has ideal protection against dust. Downtimes can be avoided to a large extent. The power and load-dependent fan drive also ensures low-noise and economical operation. Operation in ECO mode can additionally reduce fuel consumption as well as wear in idle phases. The plants can be optionally equipped with a heat package (-15 to + 50 °C) or cold package (-25 to +40 °C). The cold package has an autonomous auxiliary heater with a convenient timer function.

Environmentally sound operation - less noise and dust

In the new drive concept, the speed of the cooler fan and therefore also the cooling capacity is controlled automatically, which considerably reduces the noise level. Apart from less dust penetration thanks to a lower volume of moved cooler air, work near to the machine is a lot more agreeable for the operator.

For the jaw crusher MOBICAT MC 110(i) EVO2, which is frequently used in urban environments, an optional noise protection package is also available. The considerably reduced noise level would even permit work without special ear protection – depending on the material to be processed, further environmental conditions and local regulations.

To reduce dust, the machines are equipped in the standard series, among other things, at the crusher inlet and crusher discharge conveyor with water nozzles and the corresponding technical infrastructure. As a result, an optionally available water pump or an external water source, if available, can be used. Optional belt covers also contribute to an improvement of the air quality during crushing.

These measures benefit the machine operator, the further peripheral devices on the job site, local residents and the environment.

Source: WIRTGEN GROUP

JAW CRUSHERS