

## **DYNASET HMG Pro – The Fastest Magnet Generator is Now Silent**

DYNASET HMG Pro Hydraulic Magnet Generator converts the hydraulic power of a mobile machine into electricity to power a lifting magnet. The HMG Pro provides the world's best 0.8 second demagnetization time. The lightning fast demagnetization makes operating a magnet extremely accurate and material handling becomes efficient. The hydraulic magnet generator can be equipped with additional auxiliary AC-power output to power any electric tool.

### **New Silent Hydraulic Motors integrated**

Dynaset further developed the HMG Pro Hydraulic Magnet Generator. The new silent hydraulic motors, released on March 7th 2017, are integrated in the all standard models of HMG Pro Hydraulic Magnet Generator.

The most noticeable change is the drastically improved sound. The sound pressure level is significantly lower. However this is not the only factor that makes the motor sound more pleasing for the ear. The improved sound structure and frequency level are even bigger factors which make the Dynaset equipment almost feel like silent. The high pitch sounds are unpleasant for the human ear and big amplitudes tend to hurt the ears. The new Dynaset silent hydraulic motors are designed to produce sound which structure and frequency are more subtle for the ears. Therefore the motors sound very quiet. The better sound characteristics drastically improve the working environment and user ergonomics.

The silent hydraulic motors are designed to be more efficient and durable. The new Dynaset motors have less mechanical friction resulting better efficiency and increasing durability. The operating temperature is lower as well. The new shaft seal is made for higher pressure endurance. The new silent motors are easy to recognize from the all-black motors with Dynaset logo on them.

The DYNASET silent hydraulic motors bring better user experience thanks to

- lower sound pressure level
- lower frequency
- pleasant sound structure
- less mechanic friction
- increased efficiency
- lower operating temperature
- better durability

### **The Compact Size Allows Easy Installation**

The HMG Pro Hydraulic Magnet Generator can be installed on material handling and demolition machinery such as excavators, trucks, cranes and loaders. The utilization of hydraulic power and compact size allows easy installation and the unit can be placed freely anywhere on the machine, also in a confined space.

### **Clean technology**

DYNASET HMG PRO Hydraulic Magnet Generator is eco-friendly. Compared to the belt driven magnet generators, which run all the time the base machine is on, the HMG PRO uses hydraulic system only when the magnet magnetizes. The operation method is more efficient and minimizes fuel consumption of the machinery. Thanks to the Dynaset clean technology, there are fewer emissions at worksites.