

**Hembrug Mikroturn®** hard turning machines

## Noise level reduction

for Hembrug Mikroturn machines



- lower noicerating curve in the working area
- pleasant working atmosphere
- better concentration
- higher safety

**from 74 > 62 dB(A)**



The **hard turning** company



# Reduce the noise level in the production environment for a pleasant working atmosphere

We have developed options for reducing the noise level of our Mikroturn hard turning machines. The noise given off by the machine is mostly produced by the hydraulic unit and the oil cooler. The options listed below enable the noise level of machines that have already been delivered to be reduced from 74 dB(A) to 62 dB(A). This is a reduction in the sound pressure of more than 70%. Another advantage is that these options contribute to more efficient energy consumption.

Less noise means better concentration, less tiredness and a more pleasant working atmosphere all round. We are convinced that these options will increase the quality of the work done on the Mikroturn machines.

Interested in a more pleasant working atmosphere? Then contact our service department on +31-23-5124927 or [service@hembrug.com](mailto:service@hembrug.com)

## Noise-reducing options

### Akoustikit

The Akoustikit is an insulation set which is installed around the hydraulic unit. It is very easy to install and reduces the noise from 74 dB(A) to 68 dB(A).

### Quiet pumps and motors

Also available for the hydraulic unit is a conversion kit consisting of a quieter pump and motor, which reduces the noise level from 74 dB(A) to 66 dB(A). Installation of both the Akoustikit and the quieter pump and motor achieves a sound pressure of more than 70%.

### Cooler

The new generation of coolers can reduce the noise level from 70 dB(A) to 62 dB(A).

Various options are available for handling the heat given off by the cooler, such as the connection to a central cooling system.

	Noise reduction dB(A)	Option	Effect of the noise reduction
<b>Options hydraulic</b>	from 74 to 68	Akoustikit	From an irritating level such as a vacuum cleaner or busy restaurant to conversation level
	from 74 to 66	Quiet pump and motor	""
	from 74 to 62	Akoustikit + quiet pump and motor	From an irritating level to reasonably quiet, such as background music or a modern dishwasher.
<b>Options cooler</b>	from 70 to 64	Quiet compressor and fan	""
	from 70 to 63	Water-cooled cooler with compressor (*1)	""
	from 70 to 62	Water-cooled cooler with heat exchanger (*2)	""

\*1 Required: cold water system of the client with a max. temperature of 20 degrees Celsius.

\*2 Required: cold water system of the client with a max. temperature of 12 degrees Celsius.

Measurements taken in a quiet environment. These may vary depending on the ambient

Represented by:



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