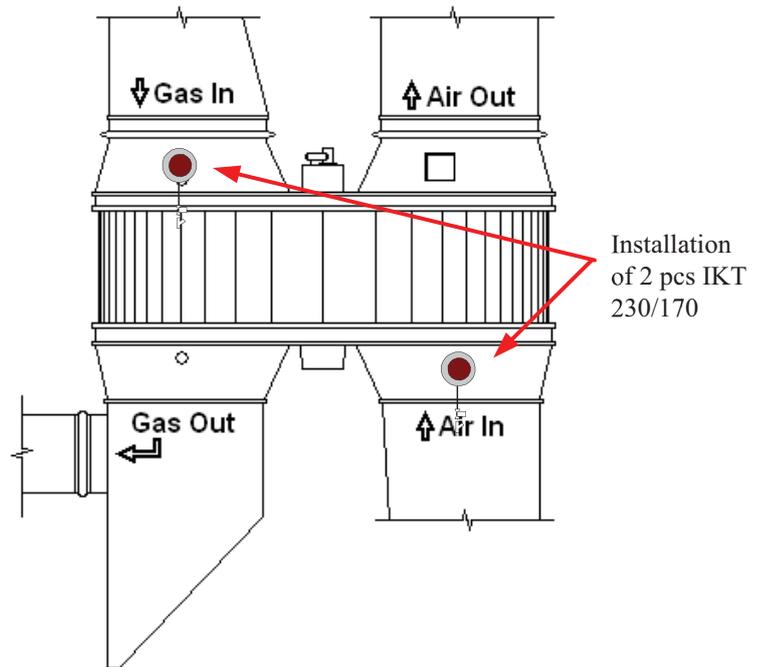


# SONIC CLEANING OF AIR PREHEATER (LUVO)

Installation of 2 pcs Sonoforce® IKT230/170.

## Background/Installation

Gorgas steam plant has a Ljungstroem rotating air preheater equipped with Kockum Sonics Sonic Horns type IKT 230/170. Extensive problems with ash build-up made the differential pressure over the air preheater raise higher and quicker than accepted. The installation of 2 pcs of our IKT 230/170 on both the gas and air inlet side solved the problems with the rising differential pressure.

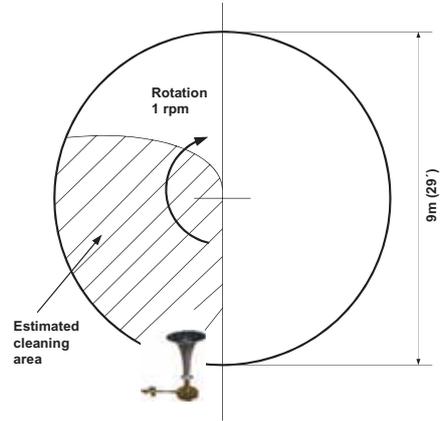


Model:	IKT230/170
SPL:	153 dB
Air consumption during signal:	70-108l/s (2,5-3,8 cfs)

Cleaning range: 6-8m (20-26')

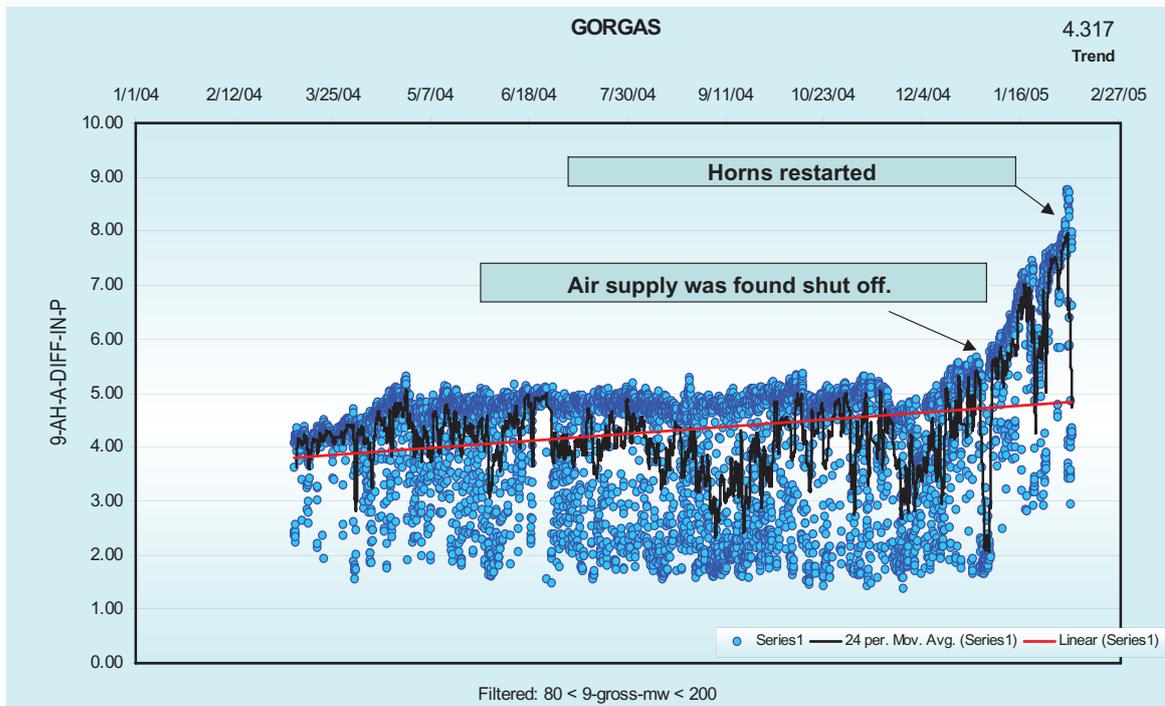


Installation from the inside of the Air heater



The rotating air preheaters have a rotation speed of 1 rpm. The drawing shows the estimated cleaning area for an air preheater with a diameter of 9m (29')

### 9-A Air Heater Differential (Trend)



The graph shows that by using Kockum Sonics Sonic Horn type IKT 230/170, it is possible to keep the differential pressure over the Air heater at an acceptable level. When the air supply to the Sonic Horns was shut off, the differential pressure increased rapidly.

Sonic cleaning can be used for ash removal in Superheaters, Economizers, Air Heaters, Electrofilters, Baghouse filters and many more applications.

For further information about our products and our company please contact us.

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