

Soft starters for the Fertilizers and Chemical Industry

Driving Fan

Motor ratings: 3300V, 80A

Rotem Fertilizer Plant – Rotem Plateau

This industrial blower, drawing 1MW of power, keeps the process furnace hot. The fan was initially designed with a damper over the intake for start up. Starting the fan without a soft-starter draws very high current at 3.3KV.

When the damper malfunctioned and was no longer serviceable, the starting inrush current was so high that one of the motor's rotor bars would crack every few months. For a fraction of the damper repair and downtime cost they could install Solcons' HRVS-DN soft-starter which would not only eliminate the high inrush current without using the damper, but the mechanical system would benefit from many advanced features that combine to extend the life of the motor and all its peripherals. Over a decade has passed since the HRVS-DN was installed and the system has been operating flawlessly.

The comprehensive Motor Protection system built into the soft-starter ensured such damaging situations in the future would be identified and the proper pre-emptive action taken before any motor damage would occur.



Industrial Blower:
3.3 KV, 80A, 1 MW



MV Soft-Starter,
HRVS-DN 3300V-80A