

ELGI air compressors in the making of 'Sky Metal'

ELGI is aggressively foraying into the growing steel industrial domain, both in India and overseas. ELGI tandem compressors are increasingly replacing conventional compressed air systems at leading Steel plants. The tandem compressors are two-stage and offer 11 to 13% better efficiency when compared to single stage air compressors at full load, thus resulting in significant reduction in power consumption.

Qatar Steel Company FZE, Dubai, a subsidiary of Qatar Steel owned by Govt. of Qatar, has recently ordered for ELGI tandem compressors

for achieving production efficiency and energy savings at its new production lines. ELGI had recommended its tandem model with the capacity of 815 cfm at 9 bar g for their newly expanded 300000 tonnes-per-annum (TPA) Rebar mill plant.



ELGI's capability to deliver a system that will provide smooth production process, and the lowest operating costs, proved essential in winning this order. The order was also won based on the performance of ELGI's energy-efficient compressors already operating at Qatar Steel's existing wire rod mill. These compressors, with a discharge pressure of 9.5 bar g with 550 cfm each, have operated successfully in the past five years. Its technical capability is proven by low downtime and very low maintenance costs.

Compressed air is used for atomizing air for re-heating furnace and quenching line during the process of making steel bars and wide rods. Air compressors have a number of roles to play in manufacture of steel, and supplying air to the furnace is one of them. Another principal application is in operating pneumatic hammers used to remove sponge iron from smelting furnaces. As in many other industries, compressed air is also used to clean bag filters in the steel industry. The associated equipment such as dryers and receivers supplied with the compressors also plays a vital role towards production of high quality air in the system.

Back home in India, ELGI is a name to reckon with in the Steel industry for its world-class compressed air solutions. Steel Authority of India Ltd (SAIL)'s IISCO Steel Plant has recently ordered for ELGI's oil-free compressors, which have met their stringent quality requirements. Each compressor with a capacity of 600 cfm at 7 bar g, will be employed for pneumatic actuators in coke oven plant. ELGI oil-free compressors offer cost effective compressed air solution by combining reliable performance, reduced energy consumption, cutting edge technology, and through service excellence.

It was in 1990 that ELGI first supplied its air compressors to steel industry. There has been no looking back since, and they have been acknowledged as the best in the compressor industry.

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