

Elgi tandem wins energy label

Energy savings in compressed air systems are very important as energy consumption represents over 80% of a compressor's lifecycle cost. While compressed air systems on average account for about 10% of industrial electricity consumption, it can be as high as 40% of a plant's electricity bill. For this reason, Elgi is focused on offering energy efficient compressed air solutions to its customers. The new energy certification from the Chinese government is yet another testimony of Elgi's commitment towards energy efficiency.

The tandem series compressors, that are certified, have a power advantage of 8%-12% over single-stage compressors. They use two sets of rotors for compressing air, where the compression is divided equally between two stages. With greater power efficiency, the payback period of tandem compressor is as low as 15 months. Typically the annual power cost for a 100kW compressor running on continuous duty is USD 126000 where as a tandem two-stage compressor uses USD 111000 and saves power costs annually by USD 15000.



Elgi has become the few premium compressor manufacturers to receive the GB certification for its tandem series in China. The certification stamps approval of authorities on Elgi's claim of highest quality, efficient and optimized energy-saving compressed air systems.

More than 20 successful installations within a year of its introduction in China clearly demonstrate the success of the tandem series. Elgi's engineering expertise and the adherence to energy saving standards help produce reliable compressors that have earned wide acceptance for cost-effective operation in the engineering, chemical, textiles and many more industries.

The certified tandem compressors are offered in the capacity range from 650 - 1085 cfm (18-31 m3/min) and 7-12.5 barg pressure; with variable frequency drive and automated supply side controller for further enhancing energy saving.

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