

A powerful line up in the toughest terrains

High durability, easy maintenance and the ability to operate at extremes of ambient temperatures has proven Elgi's diesel powered portable screw air compressors reliable the world over.



Elgi DPSAC in action at BPCL site

Elgi Equipments Ltd. is one of the world leaders in compressed air systems. The diesel engine powered screw air compressors (DPSAC), primarily destined for mining, water-well drilling, sand blasting and construction, accounts for nearly 10 % of its total business in value.

One of the remarkable features of the DPSAC compressors is their ruggedness and easy maneuverability. The units are mounted on two-wheeled / four wheeled trolleys or skids, designed to meet the exacting demands of the construction and mining industry. The engine and airend outputs have been optimized to ensure reduced fuel consumption and increased

reliability. This encompasses not only standard pressure applications such as powering breakers and tools in road repair, but also more specialized uses including drilling, sand blasting, pigging, and optical fibre blowing.

Elgi is the market leader in diesel powered screw compressor segment in India, with 80% of the total market share for rig compressors used in water well drilling and trolley-mounted compressors. Our expertise in the highly demanding water well drilling application in a variety of difficult strata has enabled us to tropicalise screw compressors at full load conditions. Elgi bags the credit of being the only manufacturer to offer high volume high-pressure diesel powered compressors for CBM (Coal Bed Methane) drilling in India. The time-tested skid-mounted compressors are being used for CBM drilling to extract methane gas that lies trapped in virgin coal seams. Supply of the DPSAC equipment to many of the landmark constructions and mining in India, include Chenab bridge construction, ONGC, Reliance Jamnagar project, the prestigious BPCL pipeline project and many more. Some of our key clients include, L&T, Afcons Infrastructure Ltd, Kalpatharu Power Transmission Ltd, JP Industries, Punj Lloyd and Essar Group.



More recently, Elgi has won the tender from M/s Kalpatharu Power Transmission Ltd (KPTL) to supply diesel powered portable air compressors for laying pipeline and pigging services. The end customer, Bharat Petroleum Corporation Ltd has undertaken a mega pipeline project of laying 600-kilometer long pipeline that runs from Savai Madhavpur to Faridabad, located in Rajasthan. The project included the use of high-pressure portable diesel air compressors for air packing of the pipeline. Elgi has supplied DPSAC units, covering a free air delivery range of 650 cfm and a discharge pressure of 200 psi, to KPTL.

Portable engine driven compressors are also in popular demand in the overseas markets. The construction and mining industry in the developing countries witnessed an unprecedented growth in the recent past and Elgi has strived to be in the forefront, by meeting critical delivery requirements from these segments. In the Middle East and Africa, Elgi has been the focal point of supply, support and service to mining and construction sectors over several years. Elgi is fast expanding its operations in South-East Asia, Australia and Srilanka through the supply of quality air compressors for water-well drilling and mining. During the year 2005-06, exports of Elgi's diesel powered compressors exceeded a growth of over 44 % as compared to the previous year. Buoyed by the demand for DPSAC in the international front, Elgi has strengthened its stance in the export market for the coming years as well. Recently, Elgi has supplied diesel driven skid mounted compressors to the PDO (Petroleum Development Oman) against a project executed by Punj Lloyd. Building on the success of portable diesel powered compressor unit, Elgi has extended its range of compressors with the recent launch of the innovative trolley mounted oil injected electric powered screw air compressor (EPSAC). The EPSAC model is developed with the similar ruggedness of its engine driven counterpart, and provides a unique solution for applications near urban areas where electric power is readily available and environmental impact is a concern.

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