

## World's first single-stage portable power at 250 psig!

Elgi takes a big leap in technology with the development of the world's first single-stage high pressure airend of 250 psi(g). This all new single-stage airend, with the energy efficiency of axis technology, will become the first single-stage airend ever built with the capability to produce up to 250 psi(g) (17 bar).



The 159 HP airend has been developed as a reliable solution for the growing high pressure compressed air requirements of segments like mining, construction and exploration. These portable applications necessitate pressures up to the range of 250 psi(g), which is traditionally catered by two stage airends, as single stage airends are limited to a maximum of 200 psi(g) discharge pressure. Overcoming this conventionality, Elgi has developed 159 HP

airend to produce pressure of 250 psi(g) with flow capacities of the range of 200-525cfm. The 159 HP range eliminates the need for two-stage compressors required for these applications. Another noteworthy point is that this product was developed in a record time of only 6 months!

The Axis 159 HP airend has an inherent advantage of internally drilled oil holes thus reducing the number of hoses in the oil circuit. The rotors use a unique 'N' profile design in a 4/5 lobe combination and are engineered to increase the efficiency of compressors. Being compact, this single-stage machine allows smaller compressor packages which are 'tow-friendly' for portable applications.

Elgi has strengthened its role in the global construction & mining markets through major contracts from an OEM to supply air ends for their screw compressors. Though Elgi air ends have been in use for many years in Europe and America, this deal is significant because it represents Elgi's penetration in the American markets through independent compressor OEMs.

Elgi has thus demonstrated the capability to design, modify and customize airend and package solutions based on the application and end customer's need. Understanding customer's main concern of minimizing cost and maximizing productivity, two wheel trolley packages with the capacity of 450 cfm at 250 psi has been launched.

In India, SANDVIK - a leading multinational player in construction & mining business- has partnered with Elgi to meet the demands of 4.5" DTH drilling powered by this single-stage portable compressor.

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