AUGUST
Compressor

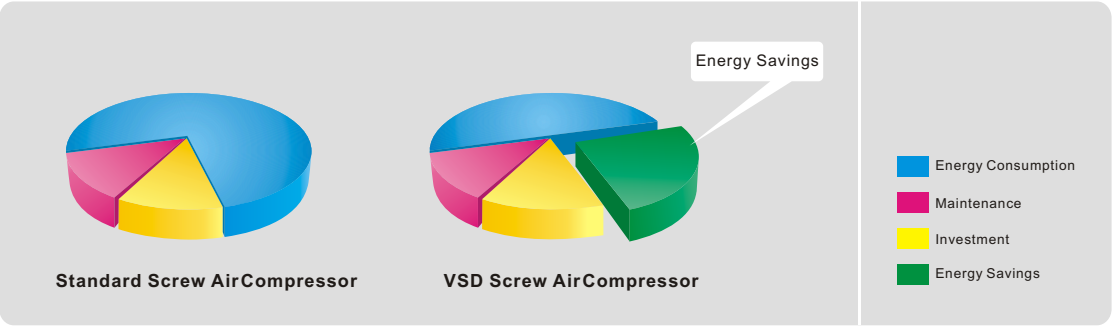
VSD provides a soft start similar to a Y-△ transformation or electronic starter. This is extending the all over life time of the compressor unit and reducing costs for maintenance. Also the "down-time" can be reduced significantly and –no or low vibration–can extend the product life cycle too.

In the low speed period, the AUGUST VSD compressor is convincing by a comfortable noise level but will still only be between 69-77db (A) (depending on model) at full load, which will have a positive influence on the working environment and might even increase the productivity of nearby workstations.

Further advantage of the VSD AUGUST S-T series is the application in countries with 50Hz as well as 60HZ electric frequency. A selected variation of voltages can also be supplied upon your request. All models of the series comply with the CE certification and when required have the ASME approved oil-air separator.

Energy efficiency

Independent studies have shown that energy can mount up to over 70% of a compressor's life cycle costs. In some cases the generating of compressed air can account for more than 40% of a plant's total electricity bill. Most production environments have a fluctuating air demand depending on the time of day, week, or even months of the year from 35 to 78%.



Standard Compressor v/s VSD Compressor in life cycle costs
a. Energy Consumption
b. Investment
c. Maintenance
d. Average 36% Energy Savings

Because there is no unnecessary power generated, the VSD can reduce energy costs by 36% or more. Cost reductions can average 22% over the entire lifecycle of the compressor. In general, the extra cost of a VSD compressor compared to a fixed speed one is earned back after just about two to three years.

AUGUST VSD reduces energy costs by

* Avoiding electricity surges by Increasing flexibility with soft starting gradual motor up.
* Avoiding operation at no load power compared with conventional compressors at light load. Eliminating the inefficient transition period from full to no load power.
* Maintaining the net pressure band to within 0.10 bar, 0.01 Mpa
* Reducing overall average working pressure.
* Minimizing system leakage due to a lower system pressure.
* Preventing components from early aging cause by prolonged full load operation urrents, a total absence of peaks and a high power factor.