

CompAir Extends New-Generation L-Series with 30-37 kW Models Delivering up to 14% Energy Savings.

New 30-37 kW compressors bring FourCore technology, up to 19% higher air delivery and an exceptionally compact footprint to an even wider range of industrial users.

CompAir has extended its revolutionary new-generation L-Series with 30-37 kW models, bringing the efficiency, compact design, and advanced engineering of its latest compressor platform to one of the most widely used power ranges in industry.

The launch follows the introduction of CompAir's 45-55 kW new-generation L-Series, which marked a fundamental rethink of conventional rotary screw compressor design.

Now, that same engineering philosophy has been taken further.

The new 30-37 kW compressors deliver **up to 14% lower energy consumption and up to 19% higher Free Air Delivery (FAD)** than the previous generation – giving manufacturers significantly more compressed air from every kilowatt of energy consumed.

What's more, they achieve it in a package **up to 20% smaller** than the 45-55 kW models!

More air. Less energy. Less space.
Energy remains the single largest cost associated with compressed air over a compressor's lifetime, making efficiency a critical consideration for manufacturers facing rising operating costs and increasingly demanding sustainability targets.

The new L-Series has been engineered around that challenge.

At its heart is CompAir's **innovative airend compression technology**, combining high efficiency with an exceptionally compact design. By reducing complexity and integrating key components, the new platform uses fewer parts and less pipework while helping reduce potential leakage points and simplify maintenance.

The result is a leaner compressor package that requires less plant-room space while delivering considerably more air for the energy consumed.

A CompAir spokesperson said:

“Industry does not need another compressor with incremental improvements. Manufacturers need technology that can make a measurable difference to their energy consumption, operating costs and productivity.

“When we introduced the new 45-55 kW L-Series, we set out to rethink what an industrial compressor could be. The new 30-37 kW models take that philosophy into an even larger part of the market – and the performance figures speak for themselves.

“Up to 19% more air delivery and up to 14% lower energy consumption represent a significant step forward for users operating in this power range.”

Building on a new generation.

The original 45-55 kW L-Series introduced CompAir’s new compression platform with improvements of up to **10% in Free Air Delivery and 12% in energy consumption**, together with a dramatically reduced footprint.

Rather than simply scaling that design down, CompAir engineered the new 30-37 kW machines specifically for the operating requirements of this power range, delivering even greater gains in efficiency and airflow.

The 30-37 kW and 45-55 kW models use **the same design philosophy**. **One single platform for 8 different variants**: 30-55kW, single-stage with premium efficiency on both fixed speed and variable speed; 2-stage FourCore with super premium efficiency available both fixed speed and variable speed.

Variable-speed models use high-efficiency permanent magnet motor technology, while fixed-speed versions incorporate premium-efficiency motor systems, ensuring high performance across differing operating profiles.

Designed to change as production changes.

A defining feature of the new L-Series platform is its ability to adapt as a customer’s compressed air requirements evolve.

The variable speed models can be **upgraded in the field from 30 to 37 kW**, allowing users to increase compressor capacity without replacing the complete machine or changing the installation.

This gives manufacturers greater flexibility when planning future production requirements and helps protect their investment as demand changes.

The same philosophy was introduced on the larger 45-55 kW platform, reinforcing CompAir’s approach of designing compressors around long-term customer requirements rather than the conditions on the day of installation.

Intelligent control and system optimisation.
CompAir's advanced control and connectivity technology helps operators get more from every kilowatt of energy consumed.

The **DELCOS XL SE controller** provides intuitive touchscreen control, real-time monitoring and visibility of key operating parameters. At the same time, **iConn** delivers connected performance data to support proactive maintenance and maximise uptime.

For complete compressed air system optimisation, the **Compressed Air Management Solution, powered by Ecoplant**, uses dynamic control logic to match compressed air production more closely to actual demand – helping reduce unnecessary energy consumption, improve system efficiency and minimise downtime.

Engineered for lower lifetime cost.
The benefits extend beyond energy efficiency.

The compact, integrated design reduces the number of components and connections required within the compressor package, helping simplify installation, servicing and maintenance.

Reduced pipework means fewer potential leakage points, while easy access to service components helps minimise maintenance time and support high machine availability.

Heat recovery options can also enable manufacturers to recover energy generated during compression and reuse it elsewhere within the facility, further reducing overall energy demand.

From 30 to 55 kW: one new-generation portfolio.
With the addition of the new 30-37 kW models, CompAir is creating a broader family of industrial compressors built around the same fundamental principles:
More compressed air. Less energy. Less complexity. Less space.

The expanded new-generation L-Series now brings these benefits to manufacturers across the 30-55 kW power range – combining German engineering, intelligent control, advanced connectivity and a compact package designed around the changing demands of modern industry.

CompAir's new 30-37 kW L-Series is not simply a smaller addition to the range. It takes the new-generation concept into the heart of the industrial compressed air market – and raises the performance benchmark again.