OIL-INJECTED ROTARY SCREW COMPRESSORS

GA 15-26 / GA 11*-26* / GA VSD* 15-37
(11-37 kW/20-50 hp)
MEETING YOUR EVERY NEED FOR COMPRESSED AIR

Atlas Copco’s GA oil-injected screw compressors provide you with industry-leading performance and reliability and allow you to benefit from a low cost of ownership. Atlas Copco offers a trinity line-up of compressors that matches your precise requirements. The GA 15-26 stands for a high quality, reliable air compressor with the lowest initial investment. The GA 11+-30 delivers top performance in the fixed speed compressor market. Our premium product, the GA 15-37 VSD+, is a unique state-of-the-art air compressor with unparalleled performance and energy savings.

GA 15-26
COMPACT ECONOMICAL COMPRESSORS
• Premium GA quality and optimal serviceability at the lowest initial investment.
• Good-quality, dry air thanks to the integrated dryer.
• Total control and assured efficiency with the Elektronikon® controller.

GA 11+-30
STATE-OF-THE-ART PERFORMERS
• Exceptional Free Air Delivery.
• Best-in-class power consumption and noise emission.
• Thanks to the integrated dryer, high quality dry air is guaranteed.
• Easy monitoring and maintenance thanks to the Elektronikon® graphic controller with high-definition color display.

GA 15-37 VSD+
ULTIMATE ENERGY SAVERS
• On average 50% energy savings compared to traditional fixed speed compressors via advanced Variable Speed Drive+ technology.
• Flexible pressure selection: 4-13 bar.
• Excellent-quality, dry air at the lowest energy cost thanks to the new, integrated dryer range.
• Easy monitoring and maintenance thanks to the Elektronikon® graphic controller with high-definition color display.
• Innovative vertical design minimizes the required floor space while improving serviceability.
GA 15-26: COMPACT ECONOMICAL COMPRESSORS

Set to tackle your daily challenges, Atlas Copco’s high-performance tank-mounted GA compressors beat any workshop solution. Ready to supply high-quality air, they keep your air network clean and your production up and running.

1. Robust element & motor
   - The GA 15-26’s compression element, the most used in its size, is combined with an IE3/NEMA Class 1 efficiency motor.
   - A 2-3% higher efficiency with the gear-driven drive train compared to belt-driven systems.
   - Gear-driven drive train for best-in-class reliability and limited maintenance.

2. Advanced monitoring
   - State-of-the-art monitoring using a simple Ethernet connection, thanks to the Elektronikon® with a built-in server.
   - Service and warning indications, error detection and compressor shut-down.
   - Optional Elektronikon® graphic controller for further enhanced remote monitoring features and service time indications.

3. High tech oil vessel
   - Protection from oil contamination: extremely low oil carry-over thanks to the vertical design of the oil vessel.
   - Extremely low losses of compressed air during load/unload cycle thanks to minimized oil vessel size.

4. Integrated quality air solutions
   - The integrated dryer avoids condensation and corrosion in the network. Optional filters for air quality up to ISO Class 1 level (<0.01 ppm).
   - Standard included water-separator.
   - Additional energy savings with the dryer’s no-loss electronic drain.

5. Easy installation
   - A true plug-and-play solution, ideal machine for installation companies and OEMs.
   - Optional integrated dryer, air filters and factory-mounted 500L receiver.
   - Easy transportation by forklift.
   - Remarkably compact footprint.
GA 11+-30: INDUSTRY-LEADING PERFORMERS

Re-engineered to break records, the industrial GA 11+-30 compressors have the best air delivery capacity in the industry. These all-in-one solutions provide high-quality air at the lowest possible operating costs and offer extended monitoring possibilities.

1 Reliable motor & drive train
- The gearbox’s maintenance-free transmission maximizes durability.
- The motor and drive train are greased for life to avoid improper re-lubrication.
- Free Air Delivery is increased by 6-17% and power consumption is reduced by 3-12% thanks to packaging and new compressor element.

2 Electrical cubicle
- Reduced cubicle temperature doubles the lifetime of the electrical components.
- Avoid damage with the electrical cubicle's standard phase sequence relay.

3 Advanced control
- High-tech Elektronikon® graphic controller with warning indications, compressor shut-down and maintenance scheduling.
- Optional centralized control over up to 6 compressors via Elektronikon®.

4 Quality air solutions
- Integrated dryer range with counterflow heat exchanger, integrated water separator and optional Dryer Saver Cycle.
- The integrated dryer can be outfitted with optional UD® filter, resulting in oil carry-over as low as 0.01 ppm.
- Water separation of nearly 100% in all conditions with the standard electronic no-loss drain and integrated water separator in the aftercooler.

5 Energy-saving features
- Optional energy recovery system.
- Optional fan Saver Cycle, reducing energy consumption.
**GA 15-37 VSD+: ULTIMATE ENERGY SAVERS**

With its innovative vertical design, Atlas Copco’s GA 15-37 VSD+ brings a game-changing revolution in the compressor industry. It offers Variable Speed Drive as standard, a compact motor and small footprint thanks to its in-house design and iPM (permanent magnet) technology. The GA VSD+ reduces energy consumption by on average 50%, with uptimes assured even in the harshest conditions.

1. **Interior Permanent Magnet (IPM) motor**
   - Very high efficiency: exceeds IE3.
   - Compact, customized design for optimal cooling by oil.
   - Designed in-house in Belgium.
   - IP66 vs. IP55.
   - No cooling air flow required.
   - Oil-lubricated motor bearing: no (re)greasing, increased uptime.

2. **Element**
   - Made by Atlas Copco.
   - Robust and silent.

3. **Direct drive**
   - Vertical design, fewer parts.
   - Oil-cooled, pressure-tight.
   - No gears or belts, no shaft seal.
   - Compact: footprint down 60%.

4. **Innovative fan**
   - Based on the newest technologies.
   - In compliance with ERP2015 efficiency.
   - Low noise levels.

5. **Robust oil filter/separator**
   - Integrated bypass valve with the oil filter.
   - Easy maintenance.

6. **Electronic no-loss water drain**
   - Included as standard.
   - Efficient removal of condensate without loss of compressed air.

7. **Elektronikon® controller**
   - Integrated smart algorithms reduce system pressure and energy consumption.
   - Warning indications, maintenance scheduling and online status visualization.
   - Graphic display of key parameters (day, week, month) and 32 language settings.

8. **Sentinel inlet valve**
   - No inlet arrestor.
   - No blow off losses.
   - Maintenance free.

9. **VSD+ cubicle**
   - VSD+ superior to idling machines.
   - Electrical components remain cool, enhancing lifetime of components.
   - Dedicated drive for iPM technology motors.
   - 5% DC choke as standard.
   - Heat dissipation of inverter in separate compartment.
**VSD+ FOR 50% AVERAGE ENERGY SAVINGS**

Atlas Copco’s GA Variable Speed Drive+ (VSD+) technology closely matches the air demand by automatically adjusting the motor speed. Combined with the innovative design of the iPM (Permanent Magnet) motor, this results in average energy savings of 50% and an average cut of 37% in the lifecycle cost of a compressor.

VSD+ works with permanent, in-house designed permanent magnet motors.

**Why Atlas Copco Variable Speed Drive+ technology?**

- On average 50% energy savings with an extensive flow range (20-100%).
- Integrated Elektronikon© Graphic controller controls the motor speed and high efficiency frequency inverter.
- No wasted idling times or blow-off losses during operation.
- Compressor can start/stop under full system pressure without the need to unload with special VSD+ motor.
- Eliminates peak current penalty during start-up.
- Minimizes system leakage due to a lower system pressure.

In almost every production environment, air demand fluctuates depending on different factors such as the time of the day, week or even month. Extensive measurements and studies of compressed air demand profiles show that many compressors have substantial variations in air demand.
A STEP AHEAD IN
MONITORING AND CONTROLS

The next-generation Elektronikon® operating system offers a great variety of control and monitoring features that allow you to increase your compressor’s efficiency and reliability. To maximize energy efficiency, the Elektronikon® controls the main drive motor and regulates system pressure within a predefined and narrow pressure band.

Key features:
- Improved ease of use: intuitive navigation system with clear pictograms and extra 4th LED indicator for service.
- Visualization through web browser using a simple Ethernet connection.
- Easy to upgrade.
- Increased reliability: more durable keyboard.

Key features:
- Automatic restart after voltage failure.
- Delayed Second Stop function.
- Option to upgrade to the advanced Elektronikon® graphic controller.

GA 15-26: Elektronikon® controller
- Improved ease of use: intuitive navigation system with clear pictograms and extra 4th LED indicator for service.
- Visualization through web browser using a simple Ethernet connection.
- Easy to upgrade.
- Increased reliability: more durable keyboard.

GA 11+-30 & GA 15-37 VSD+: Advanced Elektronikon® graphic controller
- Improved user-friendliness: 3.5-inch high-definition color display with clear pictograms and extra 4th LED indicator for service.
- Internet-based compressor visualization using a simple Ethernet connection.
- Increased reliability: new, user-friendly, multilingual user interface and durable keyboard.

Optional integrated compressor controller
Install, with a simple license, the optional integrated compressor controller and get simple, central control to reduce system pressure and energy consumption in installations of up to 4 (ES4i) or 6 (ES6i) VSD compressors.

Dual pressure set point & delayed second stop
Most production processes create fluctuating levels of demand which, in turn, can create energy waste in low use periods. Using either the standard or graphic Elektronikon® controller, you can manually or automatically create two different system pressure bands to optimize energy use and reduce costs at low use times. In addition, the sophisticated Delayed Second Stop (DSS) runs the drive motor only when needed. As the desired system pressure is maintained while the drive motor’s run time is minimized, energy consumption is kept at a minimum.

Without DSS
With DSS

Recover and save energy
As much as 90% of the electrical energy used by a compressed air solution is converted into heat. Using Atlas Copco’s integrated energy recovery systems, it is feasible to recover up to ~ 75% of that power input as hot air or hot water without any adverse influence on the compressor’s performance. Through efficient usage of the recovered energy, you bring about important energy cost savings and attain a high return on investment.

Applications
- Auxiliary or main heating of warehouses, workshops...
- Industrial process heating
- Water heating for laundries, industrial cleaning and sanitary facilities
- Canteens and large kitchens
- Food industry
- Chemical and pharmaceutical industries
- Drying processes
EXCELLENCE IN QUALITY AIR

Untreated compressed air contains moisture, aerosols and dirt particles that can damage your air system and contaminate your end product. The resulting maintenance costs can far exceed air treatment costs. GA compressors provide the clean, dry air that improves your system’s reliability, avoiding costly downtime and production delays, and safeguarding the quality of your products.

Integrated purity

Many Atlas Copco compressors (Full Feature option) come with an integrated dryer that efficiently removes moisture, aerosols and dirt particles to protect your investment. This quality air expands the life of equipment, increasing efficiency and ensuring quality in your final product.

Main benefits of the new, integrated dryer solutions

• Thanks to the Saver Cycle, based on an extra ambient sensor, the dryer will shut down when a normal dew point is reached, meaning that 2/3 of the dryer’s power can be recuperated (standard on GA VSD+, optional for GA+).
• Available in several variants, allowing you to gain high-quality air in all ambient conditions.
• The heat exchanger with integrated water separator minimizes the energy required to reach a certain air quality.
• Pressure dew point at 3°C on GA+ and GA VSD+ (100% relative humidity at 20°C, 5°C on GA).
• The dryer’s global warming potential has been reduced by 44%. This not only results from the refrigerant type R134a’s environmentally-friendly characteristics, but also from the smaller volume that is needed (valid for both GA+ and GA VSD+).
• Can be outfitted with optional UD+ filter, allowing you to obtain the exact air quality you need for your specific application (DD and PD for GA 15-26; UD+ for GA 11+-30 and GA 15-37 VSD+).

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ISO QUALITY CLASS* | DIRT PARTICLE SIZE | WATER PRESSURE DEW POINT GA | WATER PRESSURE DEW POINT GA+ | OIL CONCENTRATION
--- | --- | --- | --- | ---
Pack unit | 3-4 | 3 microns | - | - | 3 ppm
Full Feature unit | 3-4 | 3 microns | +5°C, 39°F | +3°C, 37°F | 3 ppm
Full Feature unit with Class 2 integrated filter | 2-6 | 1 micron | +5°C, 39°F | +3°C, 37°F | 0.1 ppm
Full Feature unit with Class 1 integrated filter | 1-1.1 | 0.01 microns | +5°C, 39°F | +3°C, 37°F | 0.01 ppm

* The table values are maximum limits according to the respective ISO quality class.
** Water pressure dew point based on 100% RH at 20°C/68°F.

TAILORED TO YOUR NEEDS

Some applications may need or may benefit from additional options and more refined control and air treatment systems. To meet these needs, Atlas Copco has developed options and easily integrated compatible equipment providing the lowest cost compressed air.

<table>
<thead>
<tr>
<th>GA 15.26</th>
<th>GA 11+-30</th>
<th>GA 15.37/USD+</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Integrated filter Class 2</td>
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<td>Dryer bypass</td>
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<td>Integrated oil/water separator OSD</td>
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<td>Electronic Water Drain (EWD) on coolers</td>
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<tr>
<td>Air receiver drain EWD</td>
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<tr>
<td>Oil retaining frame</td>
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<tr>
<td>Motor space heater</td>
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<tr>
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<td>Heavy duty air inlet filter</td>
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<td>Compressor inlet pre-filter</td>
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<tr>
<td>Main protection</td>
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<td>Main power isolator switch</td>
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<tr>
<td>Lifting device</td>
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<tr>
<td>Nema 4 &amp; Nema 4X cubicle (under release)</td>
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<td>Pressure for ES100 sequence selector</td>
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<td>Central control license for 4 ES (ES4) or 6 ES (ES6) machines (on graphic)</td>
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<td>Elektronikon® graphic controller*</td>
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<td>Food-grade oil</td>
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<td>Pass-Flavol duty oil</td>
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<td>Modulating control</td>
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<td>High ambient temperature versions (55°C for pack, 50°C for FF)</td>
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<td>Dryer Save Cycle</td>
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* Optional for GA 30.  •: Standard  •: Optional  -: Not available
### TECHNICAL SPECIFICATIONS GA 15-26

<table>
<thead>
<tr>
<th>COMPRESSOR TYPE</th>
<th>Maximum working pressure</th>
<th>Capacity</th>
<th>Installed motor power</th>
<th>Noise level**</th>
<th>Weight (kg)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>bar(s)</td>
<td>psig</td>
<td>m³/h</td>
<td>cfm</td>
<td>kW</td>
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<td>GA 15-26</td>
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### TECHNICAL SPECIFICATIONS GA 15-37 VSD+

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<th>COMPRESSOR TYPE</th>
<th>Maximum working pressure</th>
<th>Capacity</th>
<th>Installed motor power</th>
<th>Noise level**</th>
<th>Weight (kg)</th>
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<tr>
<td></td>
<td>bar(s)</td>
<td>psig</td>
<td>m³/h</td>
<td>cfm</td>
<td>kW</td>
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<td>GA 22 VSD+</td>
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<td>GA 26 VSD+</td>
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<td>8.5</td>
<td>20.3</td>
<td>33.9</td>
<td>120</td>
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</table>

### GA 15-26 (STANDARD/FULL FEATURE)

- Max. working pressure: L1: 1775mm, 69" H1: 1220 mm, 48" W: 813 mm, 32.5"
- H: 1420 mm, 56"
- H: 1220 mm, 48" W: 813 mm, 32.5"
- Intake air
- Airoil mixture
- Oil
- Wet compressed air
- Condensate
- Dry air
- Gaseous coolant
- Liquid coolant
- Compressed air without free water
- Dry compressed air
- Water
- Refrigerant gas/liquid mixture
- High pressure, hot refrigerant gas
- Low pressure, cool refrigerant gas
- High pressure refrigerant liquid
- Low pressure refrigerant liquid

### GA 18-37 VSD+ (STANDARD/FULL FEATURE)

- Max. working pressure: H: 1430 mm, 56" L: 830 mm, 32.5" W: 813 mm, 32.5"
- Intake air
- Airoil mixture
- Oil
- Inlet filter
- Sentinel valve
- Screw element
- Interior permanent magnet motor (iPM)
- Screw element
- Sentinel valve
- Safety valve
- Oil separator
- Oil-cooler
- Electronic drain (1 mounted on aftercooler on models without dryer)
- Dryer (Full Feature option)
- Condensation prevention cycle
TECHNICAL SPECIFICATIONS
GA 11°-30 (50 HZ VERSION)

<table>
<thead>
<tr>
<th>Compressor Type</th>
<th>WorkPlace</th>
<th>WorkPlace Full Feature</th>
<th>Capacity FAD*</th>
<th>Installed motor power</th>
<th>Noise level**</th>
<th>Weight (kg)</th>
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<tbody>
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<td>GA 11°-30</td>
<td>100</td>
<td>141 157 12.3 149</td>
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<td>450</td>
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<td>161 123 149</td>
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<td>132</td>
<td>181 123 149</td>
<td>10.5</td>
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<td>175</td>
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<td>10.6</td>
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TECHNICAL SPECIFICATIONS
GA 11°-30 (60 HZ VERSION)

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<tr>
<th>Compressor Type</th>
<th>WorkPlace</th>
<th>WorkPlace Full Feature</th>
<th>Capacity FAD*</th>
<th>Installed motor power</th>
<th>Noise level**</th>
<th>Weight (kg)</th>
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<tr>
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<td>141 157 12.3 149</td>
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<td>10.6</td>
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<td>122</td>
<td>161 123 149</td>
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<td>10.6</td>
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<td>152</td>
<td>201 123 149</td>
<td>10.5</td>
<td>10.6</td>
<td>66</td>
<td>450</td>
</tr>
</tbody>
</table>

Notes:
- Full Feature version (FF)
- Standard

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COMPRESSOR

- GA 11°-30 (50 HZ VERSION)
- GA 11°-30 (60 HZ VERSION)

Air flow:
- Air intake filter
- Air intake valve
- Compression element
- Non return value
- Axial separator vessel
- Minimum pressure valve
- Aftercooler
- Air-air heat exchanger
- Water separator with drain
- DOP/DFF filters (optional)

Oil flow:
- Oil
- Oil-cooler
- Thermal bypass valve
- Oil filter
- Oil stop valve

Refrigerant flow:
- Refrigerant compressor
- Condenser
- Liquid refrigerant dryer/filter
- Thermal expansion valve
- Evaporator
- Hot gas bypass valve
- Accumulator

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References:
- Unit performance measured according to ISO 1217, Annex C, latest edition.
- Noise level measured according to ISO 3744, Pneumotachometer test code: tolerance 2 dB(A).
- Pressure dew point of integrated refrigerant dryer of GA 11°-30 at reference conditions 2°C to 3°C, 36°F to 37°F.
- 10 bar versions at 9.5 bar
- 8 bar versions at 8 bar
- FAD is measured at the following working pressures:
  - Intake air temperature 20°C, 68°F
  - Absolute inlet pressure 1 bar (14.5 psi)
- Reference conditions:
  - Mean noise level measured according to ISO 2151/Pneuro/Cagi PN8NTC2 test code; tolerance 2 dB(A).
  - Unit performance measured according to ISO 1217, Annex C, latest edition.
- Pressure dew point of integrated refrigerant dryer of GA 11°-30 at reference conditions 2°C to 3°C, 36°F to 37°F.
COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.