

HIGH RELIABILITY AND SMART ENERGY

GA 37°/45°/55°/75° & GA 55/75/90



1 Integrated highly efficient R410A dryer

- Excellence in air quality
- 90% reduction in energy consumption compared to traditional dryers
- Zero ozone depletion
- Compressor optional ODP-free according to Class 1 A.2

2 Maintenance-free drive system

- 100% maintenance-free, totally enclosed and protected against dirt and dust
- Suitable for harsh environments
- High-efficiency drive arrangement for starting or stopping loads
- Designed up to 40 D/100 T and for high ambient pressure 99.5/101 T



3 IE3 / NEMA Premium Efficiency electrical motors

- 95% motor efficiency Class E 2 B line
- New drive unit bearing protection for life
- Designed for continuous operation in harsh environments

4 Robust spin-on oil filter

- High-efficiency removing 99.9% smaller particles than a conventional filter
- Integrated bypass valve with the oil filter

5 SIL Smart inlet lock system for GA VSD compressors

- Reverse designed valves and an pressure controlled valve with manual pressure drop and its settings
- Smart inlet lock which eliminates back pressure on valve



6 NEOS drive

- New compact and robust designed motor for GA VSD compressors
- 95% protection degree
- 3 radial aluminum enclosure for trouble-free operation in the harshest conditions
- Power components compact, smart and user-friendly



7 Cubicle cooling booster

- Cubicle is temperature controlled degree of protection that
- Electrical components remain cool, increasing lifetime of components

8 Elektronikon® for remote monitoring

- Integrated smart algorithms reduce system pressure and energy consumption
- Monitoring features include warning indications, temperature controlling and online visualization of machinery condition

9 Heavy-duty air intake filter

- Protects the compressor components by removing 99.9% of dirt particles down to 3 microns
- Differential inlet pressure for proactive maintenance while increasing pressure drop

10 Separate oversized oil cooler and aftercooler

- Low elevated outlet temperatures, ensuring long oil lifetime
- Removal of nearly 100% condensate by integrated mechanical separator
- No consumables
- Eliminates possibility of thermal shocks to system



11 Electronic no-loss water drain

- Ensures constant removal of condensate
- Manual integrated bypass for effective condensate removal in case of power failure
- Integrated with compressor's Elektronikon® with alarm/signature features



Atlas Copco Ga37 Operating Manual

Ensheng Dong



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Atlas Copco Ga37 Operating Manual Book Review: Unveiling the Power of Words

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