

Atlas Copco

# Oil-injected rotary screw compressors

G 37-75/GA 37-90 (37-90 kW/50-125 hp)

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## The industrial air standard

Atlas Copco's industrial oil-injected screw compressors deliver outstanding sustainability, reliability, and performance while keeping your total cost of ownership low. With the G 37-75 and premium GA 37-90 ranges, you can choose the model that best fits your air demand and production needs. Designed to perform in the toughest conditions, these compressors ensure efficient, dependable operation for years to come.



## G 37-75

### Robust reliability

- High-performance Free Air Delivery.
- Premium quality at the lowest initial investment.
- Elektronikon® Touch controller.
- SMARTLINK real-time, remote monitoring and optimization.

## GA 37-90

### Premium performance

- IE4 motor and high-efficiency element.
- Hybrid bearings with 50% harder rolling elements lower bearing temperatures and reduce wear (on GA 55-90).
- Low noise emission suitable for workplace installation.
- Integrated refrigerant dryer.
- Elektronikon Touch controller.
- SMARTLINK real-time, remote monitoring and optimization.
- OPC UA connectivity available.



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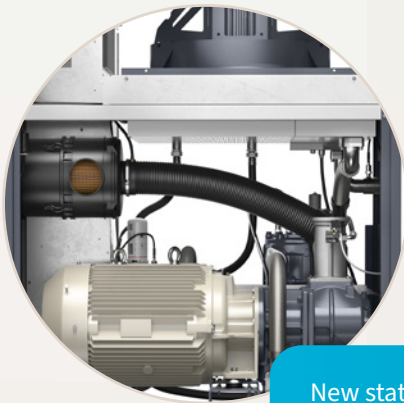
## Your partner in sustainability

We know that sustainability is your priority. Atlas Copco will help you turn goals and ambitions into realizations. Increasing efficiency, lowering emissions, and reducing your overall environmental footprint drive our unrelenting investment in innovation. It's what allows us and our customers to continue to set new standards in compressed air and gas generation performance.

# GA 37-90

## Premium performance

The GA 37-90 is our fixed-speed oil-injected rotary screw compressor that sets the industry standard. It gives you more of the things that really matter: more energy savings, more air, and a longer lifetime. Its state-of-the-art compression element and a host of advanced features ensure maximum performance with best-in-class efficiency.



### 1. Maintenance-free drive system

- Fully enclosed design keeps dust and dirt out for long-lasting reliability.
- 100% maintenance-free: no belts or couplings, delivering consistent performance without slippage losses.
- Standard up to 46°C/115°F; high ambient version 55°C/131°F.
- Works reliably in harsh environments.

New state-of-the-art hybrid bearings with 50% harder rolling elements extend the lifetime of the drive train by 33% in the toughest conditions (GA 55-90).

### 2. IE4/NEMA Super Premium Efficiency motor

- IP55, insulation Class F, B rise.
- Oil-lubricated drive side bearings.
- Designed for continuous operation in harsh environments.

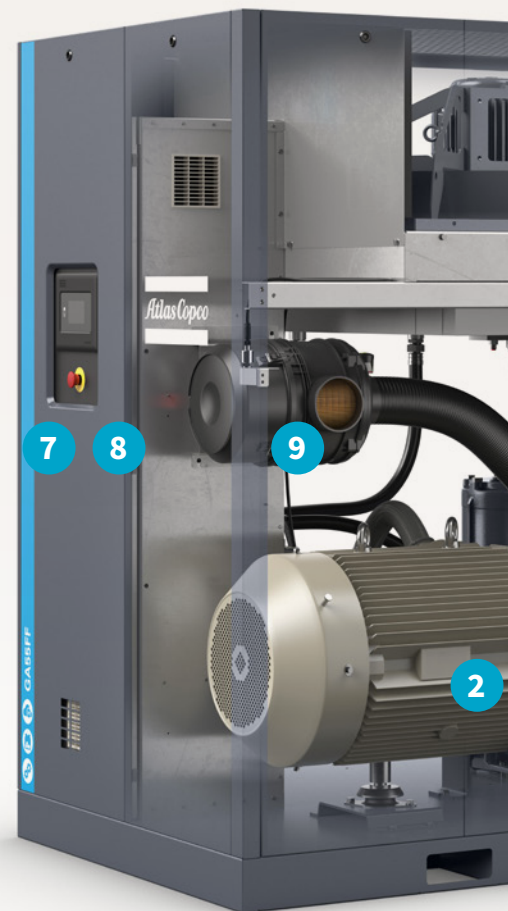


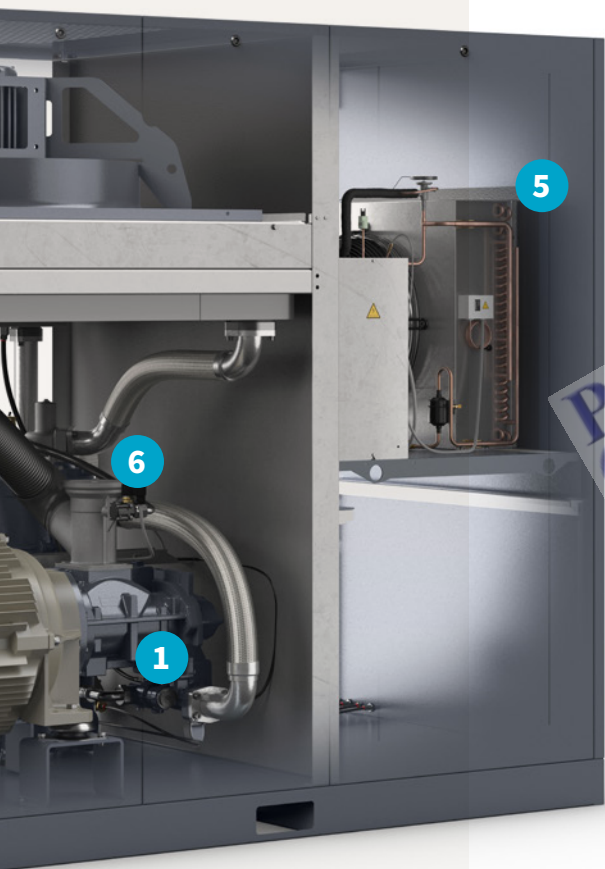
### 3. Robust spin-on oil filters

- High efficiency; remove 300% particles than conventional filters.
- Integrated bypass valve with the oil filters.
- 8,000-hour service interval (GA 55-90).

### 4. (Smart) no-loss drain

No-loss electronic drain monitors condensate build-up and removes liquid only when necessary to avoid air loss.





## 5. Integrated dryer

- Integrated dryer combines energy efficiency with robust performance through ultra-low pressure drop, intelligent condensate management, and reliable components designed for tough conditions.
- R513A refrigerant has a very low Global Warming Potential (GWP).
- Incorporates optional UD+ filter to reach ISO 8573-1 class 1.4.2.

## 6. Intelligent sensors (GA 55-75)

- Pressure drop sensors monitor the lifetime of the inlet filter, the oil separator, and the oil filter (optional).
- CAN cables allow for easy updates.



## 7. Elektronikon Touch for remote monitoring

- High-tech controller with warning indications, compressor shut-down and maintenance scheduling.
- Standard **SMARTLINK** remote monitoring to maximize air system performance and energy savings.

The smart unload algorithm monitors pressure fluctuations in real time to reduce the running time in unload and achieve maximum energy savings.

## 8. EQ2i

The integrated controller optimizes energy use, reduces maintenance, and minimizes downtime by intelligently managing two compressors in a single air network.

## 9. Heavy-duty air intake filter

- Protects compressor components by removing 99.9% of dirt particles down to 3 microns.
- 8,000-hour lifetime (GA 55-90).



The GA 37 and GA 45 come as an ultra-compact, all-in-one package that fits in the tightest spaces.

# G 37-75

## Robust reliability

The G 37-75 gives you that trusted Atlas Copco oil-injected screw performance at the lowest investment cost. Built with top-quality materials, the G 37-75 ensures compressed air reliability and efficiency in the toughest conditions.

### 1. Maintenance-free drive system

- Fully enclosed design keeps dust and dirt out for long-lasting reliability.
- 100% maintenance-free: no belts or couplings, delivering consistent performance without slippage losses.
- New state-of-the-art hybrid bearings extend the lifetime of the drive train by 33% (G 55-75).
- Standard up to 46°C/115°F and for high ambient version 55°C/131°F.

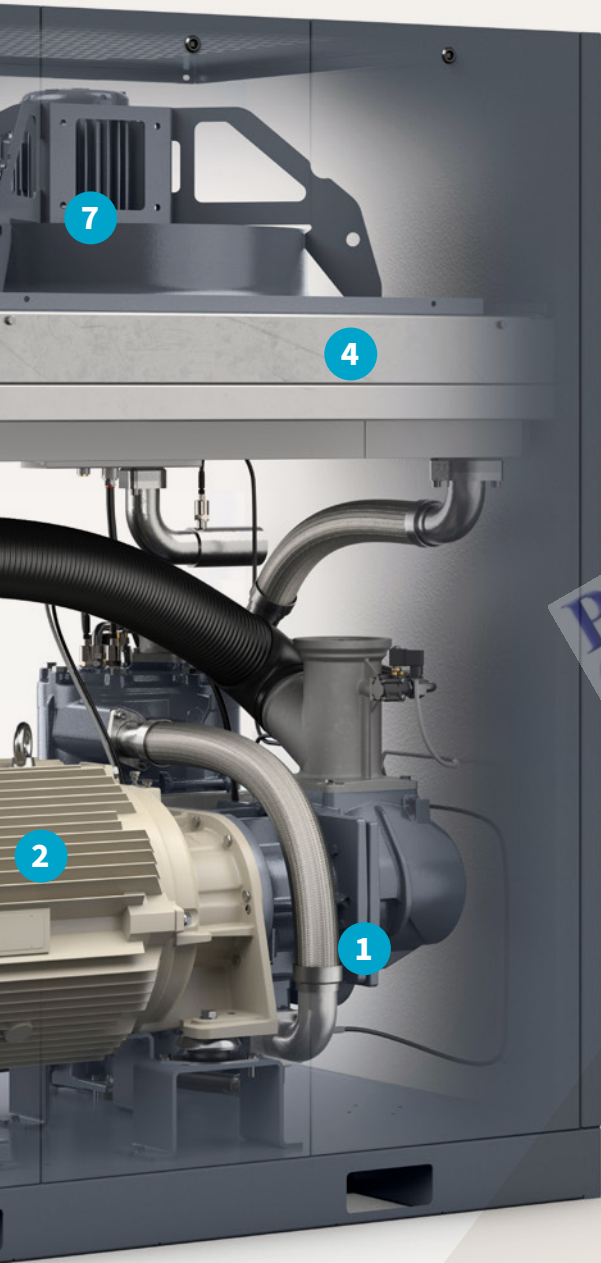
### 2. Super Premium Efficiency electrical motor

- IE4 efficiency motor (G 55-75).
- IP55, insulation Class F, B rise.
- Non-drive side bearing greased for life.
- Oil-lubricated drive side bearings.
- Designed for continuous operation in harsh environments.

### 3. Robust spin-on oil filter

- High-efficiency; removes 300% smaller particles than a conventional filter.
- Integrated bypass valve with the oil filter.





#### 4. Oil cooler and aftercooler for tropical environments

- Low element outlet temperatures, ensuring long oil lifetime.
- Removal of nearly 100% of condensate by integrated mechanical separator.
- No consumables.
- Eliminates possibility of thermal shocks in coolers.

#### 5. Advanced Elektronikon control & monitoring

- Easy to use and designed to perform in the toughest conditions.
- Monitoring features include warning indications, maintenance scheduling, and online visualization of machine conditions.
- Standard SMARTLINK remote monitoring to maximize air system performance and energy savings.

#### 6. 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 minimizing pressure drop.

#### 7. Low noise fan

- Silent operation.
- High flows.
- Compact design.



Thanks to their compact footprint, the G 37 and G 45 are the ideal, space-saving point-of-use compressor.

# As connected as you will be

When it comes to connectivity, manufacturing equipment has long stayed behind. Not Atlas Copco. Our compressed air systems helped pave the way for Industry 4.0. We never stopped developing innovative features and introducing new options to help our customers meet their operational goals.



## CONTROL Elektronikon Touch

The Elektronikon Touch features a 4.3-inch user-friendly, multilingual display with clear pictograms and a service indicator. The operating system offers a host of control and monitoring options and smart algorithms to optimize your compressor performance. Customized timers and efficiency controls are just a few examples.



## MANAGE Equalizer 4.0

Manage multiple compressors with the Equalizer 4.0 (integrated in your compressor or as a standalone unit):

- **Reduced pressure band:** Create a narrow, predefined pressure band to save energy.
- **Optimal system performance:** Program all compressors to have equal running hours to reduce service intervals.
- **Improve reliability and efficiency:** With actionable performance reports, service warnings, and energy efficiency data.
- **Multiple compressor control:** Manage up to 6 compressors in one air network. GA units come as standard with a built-in EQ2i, allowing the control of a second compressor.



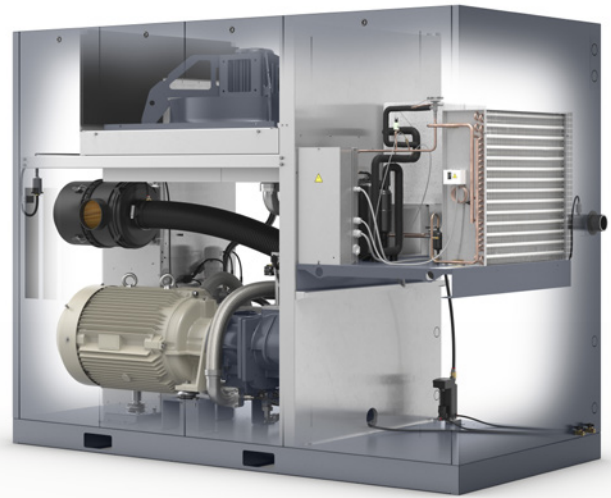
## CONNECT SMARTLINK

- Real-time monitoring of your compressor's operational parameters on your computer or mobile device.
- Performance data and insights identify opportunities for optimization.
- Service timeline.
- Maintenance and service alerts.
- Online resource center with manuals, documentation and technical information.

# Built-in quality air

## GA 37-90

Untreated compressed air contains moisture and aerosols that increase the risk of corrosion and air system leaks. This can result in a damaged air network and contaminated end products. An air dryer is therefore essential to protect your systems and processes. The GA series Full Feature version has an integrated dryer option to ensure your peace of mind.



### Integrated dry air

- Optimized sizing for the compressor, avoiding excessive energy consumption.
- New oversized dryer option to ensure a low PDP in the toughest conditions (GA 55-90).
- Fit for your application.
- Controlled and monitored by the Elektronikon.
- Space-saving all-in-one solution with low installation costs.

### Integrated purity

The optional UD+ filter and integrated refrigerant air dryer (IFD) efficiently remove moisture, aerosols and dirt particles to protect your investment. The UD+ filter has a 40% lower pressure drop than the conventional DD+/PD+ filter combination. It saves space and reduces energy costs. Using only 1 single filter it is possible to reach Quality Class 1.4.2 according to ISO 8573-1:2010.

### Lowest lifecycle costs and peace of mind

- No extra installation costs.
- Save on floor space.
- R513A refrigerant meets all regulatory requirements and has very low Global Warming Potential (GWP).
- Heat exchanger cross-flow technology with low pressure drop saves energy and costs.
- Zero waste of compressed air thanks to no-loss condensate drain.
- Advanced control functions ensure dry air under all circumstances and prevent freezing at low load.
- Pressure dew point of 3°C/37°F (at 20°C/68°F).

	ISO quality class*	Dirt particle size	Water pressure dew point**	Oil concentration
Pack compressor	3.-4	5 microns	-	3 ppm
Integrated refrigerant dryer	3.4.4	5 microns	+3°C/37°F	3 ppm
DD+	2.4.2	1 micron	+3°C/37°F	0.1 ppm
UD+	1.4.2	0.5 micron	+3°C/37°F	0.1 ppm

\* The table values reflect the maximum limits according to the ISO quality air standard (ISO 8573-1:2010).

\*\* Water pressure dew point based on 100% RH at 20°C/68°F.

# Optimize your system

		G 37-45	G 55-75	GA 37-45	GA 55-90
Air treatment	UD- filter*	-	-	•	•
	Oversized dryer*	-	-	-	•
Condensate	Electronic water drain	Standard	Standard	Standard	Standard
Protection	Pre-filter	•	•	•	•
	Heavy-duty inlet filter	Standard	Standard	Standard	Standard
	High ambient version (55°C/131°F)****	-	-	•	•
	Tropical thermostat	•	•	•	STC
	Freeze protection	-	•	•	•
	Water shut-off valve**	-	-	•	•
	Anti-condensation heaters	-	•	•	•
	Phase sequence relay	•	•	•	•
	Nema4	-	-	•	•
	Nema4x	-	-	•	•
	Oil containing frame	•	•	•	•
	Rain protection	-	-	•	•
	Communication	OPC UA	-	-	•
Elektronikon controller expansion module		-	-	•	•
ES 100 relay***		-	Standard	•	Standard
EQ2i		•	•	•	Standard
EQ4i, EQ6i		•	•	•	•
Oils	RS Foodgrade Ultra oil	•	•	•	•
	Roto Synthetic xtend oil	Standard	Standard	Standard	Standard
General options	Water-cooled version	-	-	•	•
	Energy Recovery	-	-	•	•
	Power duct fan	-	•	•	•
	Oversized motor*****	-	-	-	•
	Advanced service monitoring	-	-	-	•
	Modulating control	-	-	•	•
	ANSI Flange	•	•	•	•
	DIN Flange	•	•	•	•
	Test certificate	•	•	•	•

\* FF units only.

\*\* Water-cooled units.

\*\*\* Includes potential-free contacts: motor running, compressor load/unload.

\*\*\*\* FF units limited to 50°C/122°F on some models.

\*\*\*\*\* 55-75 kW only.

• : Optional - : Not available

# Technical specifications

Compressor type	Pressure variant	Max. working pressure Pack		Capacity FAD*			Installed motor power		Noise level**	Weight Pack		Weight Full Feature	
		bar(e)	psig	l/s	m <sup>3</sup> /hr	cfm	kW	hp		kg	lbs	kg	lbs
G 37	100	7.4	107	117	423	249	37	50	67	698	1539	NA	NA
	125	9.1	132	107	387	228	37	50	67	698	1539	NA	NA
	150	10.8	157	98	354	209	37	50	67	698	1539	NA	NA
	175	12.5	181	93	333	196	37	50	67	698	1539	NA	NA
GA 37	100	7.4	107	124	445	262	37	50	67	777	1713	943	2079
	125	9.1	132	113	405	239	37	50	67	777	1713	943	2079
	150	10.8	157	103	371	219	37	50	67	777	1713	943	2079
G 45	100	7.4	107	139	502	295	45	60	68	745	1642	NA	NA
	125	9.1	132	130	466	275	45	60	68	745	1642	NA	NA
	150	10.8	157	118	426	250	45	60	68	745	1642	NA	NA
GA 45	100	7.4	107	151	543	319	45	60	68	808	1781	978	2156
	125	9.1	132	139	501	295	45	60	68	808	1781	978	2156
	150	10.8	157	131	471	277	45	60	68	808	1781	978	2156
G 55	100	7.4	107	182	654	385	55	75	71	1360	2998	NA	NA
	125	9.1	132	167	601	354	55	75	71	1360	2998	NA	NA
	150	10.8	157	156	562	331	55	75	71	1360	2998	NA	NA
GA 55	100	7.4	107	193	694	409	55	75	69	1365	3009	1690	3726
	125	9.1	132	180	648	381	55	75	69	1365	3009	1690	3726
	150	10.8	157	163	587	346	55	75	69	1365	3009	1690	3726
G 75	100	7.4	107	233	838	493	75	100	73	1470	3241	NA	NA
	125	9.1	132	222	800	471	75	100	73	1470	3241	NA	NA
	150	10.8	157	201	724	426	75	100	73	1470	3241	NA	NA
GA 75	100	7.4	107	256	922	543	75	100	71	1480	3263	1805	3979
	125	9.1	132	237	853	502	75	100	71	1480	3263	1805	3979
	150	10.8	157	212	763	449	75	100	71	1480	3263	1805	3979
GA 90	100	7.4	107	301	1082	637	90	125	72	1520	3351	1845	4068
	125	9.1	132	278	1000	588	90	125	72	1520	3351	1845	4068
	150	10.8	157	249	897	528	90	125	72	1520	3351	1845	4068

\* Unit performance measured according to ISO 1217, Annex C, Edition 4:2009.  
 \*\* A-weighted emission sound pressure level at the work station, Lp WSA (re 20 µPa) dB (with uncertainty 3 dB).  
 Values determined according to noise level test code ISO 2151 and noise measurement standard ISO 9614.

FAD is measured at the following effective working pressures:  
 • 109 psi versions at 102 psi  
 • 123 psi versions at 116 psi  
 • 145 psi versions at 138 psi  
 • 189 psi versions at 181 psi

Reference conditions:  
 - Absolute inlet pressure 1 bar (14.5 psi).  
 - Intake air temperature 20°C/68°F.

Pressure dew point of integrated refrigerant dryer at reference conditions:  
 2°C to 3°C, 36°F to 37°F

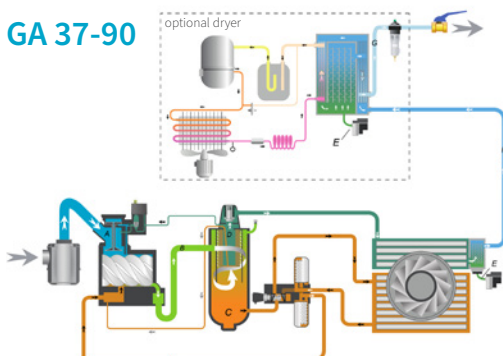
## Dimensions

Dimensions	Pack			Full Feature (GA only)		
	D (in)	W (in)	H (in)	D (in)	W (in)	H (in)
G 37-45/GA 37-45	51.57	35.04	70.47	71.26	35.04	70.47
G 55-75/GA 55-90	66.14	48.07	77.95	99.41	48.07	77.95

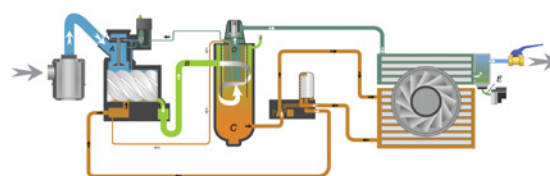


## Flow diagrams

### GA 37-90



### G 37-75



- A ● Intake air
- B ● Air/oil mixture
- C ● Oil
- D ● Hot compressed air
- E ● Condensate
- F ● Cooled compressed air
- G ● Dried compressed air

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The Atlas Copco logo consists of three horizontal white bars above the brand name 'Atlas Copco' in a white serif font, all contained within a blue rounded rectangular shape.

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