

# GX 2-11

2.2-11 kW/3.0-15 hp

Oil-injected Rotary Screw Compressors



Silent Power, Total Reliability

# GX 2-11: Industrial technology for the workshop.

**Atlas Copco** screw compressors have always set the standard for reliability and performance in the compressed air industry.

With the new **GX 2-11**, Atlas Copco brings the power and reliability of an industrial screw compressor to small and medium sized industry.

Traditionally, light industry has had to settle for inefficient and noisy piston compressors. The **GX 2-11** delivers **Silent Power** and **Simple Reliability**.

The advanced sound dampening of these units insures **Silent Power**. The sound level of the complete package is only 61 to 70 - dB(A).

**Simple Reliability** is insured as Atlas Copco screw compressors are suitable for **100 % continuous duty**. Additionally a number of components - kept to a minimum simplicity - are designed in from the start.

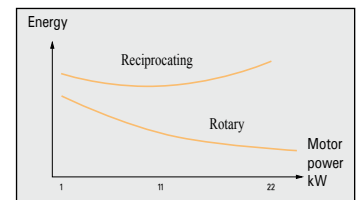
## Complete compressed air installation

- The GX 2-11 is delivered with all of the components required for a complete installation.
- The package has a minimum footprint that is suitable for customers who have limited space
- The compressor is prepped and has a receiver mounted variant for quick and easy installation.
- All air connections have been optimized to minimize pressure drop and potential air leaks.



## Reduced power consumption

- The GX offers low energy consumption and high efficiency of a rotary screw compressor.
- The standard start/stop control on the GX 2-11 insures the compressor is only consuming power when compressed air is needed. This GX 7-11 is equipped with energy efficient load/no load control.



## Simple and quick maintenance

- Service points are grouped together and accessible through the removable front panel.
- Spin-on oil separator and filter for quick maintenance.
- Continuous oil level display on GX 2-5.



# Simple power, Total reliability

## Silent power

- The GX 2-11 are supplied with full sound enclosures, which reduces the sound levels as low as 61 dB(A).
- Rotary screw technology minimizes vibration.
- Low noise fans for silent operation.

20 dB	whispering
45 dB	refrigerator
60 dB	normal conversation
61 dB	<b>GX 2 compressor</b>
65 dB	air conditioner
70 dB	office environment
85 dB	heavy truck traffic



## Total reliability

- Rugged screw compressor technology allows a 100 % continuous duty cycle.
- Maximum mechanical simplicity providing increased dependability.
- All oil lines are rigid pipe or high temperature hose. No plastic oil tubing is used.
- All electrical wiring is done with heavy-duty cable and high quality connectors.
- Low operating temperature insures long life and eliminates the need for an after-cooler.
- GX 2-5 basic package includes the main switch with integrated circuit breaker to protect the compressor.



# Quality air. Clean, dry air saves you time and money.

When the air that surrounds us is compressed, the water vapor and pollution in the air will be concentrated in the compressed air. Unless this water and pollution is removed, it will be carried into your compressed air system where it can damage your piping, compressed air tools and machinery as well your end products.

## Full Feature air dryer

- The GX 2-11 is available with a built-in refrigerant air dryer. A refrigerant air dryer cools the compressed air and removes water vapor before it can enter your compressed air network. This prevents rust in your compressed air piping and avoids damage to your air tools.



## PDx high efficiency air filter

- All oil lubricated compressors expose your compressed air to oil vapors. These oil vapors, combined with atmospheric pollutants, can create an abrasive oil sludge. The best way to protect your tools and machinery is to install an in line PDx air filter.

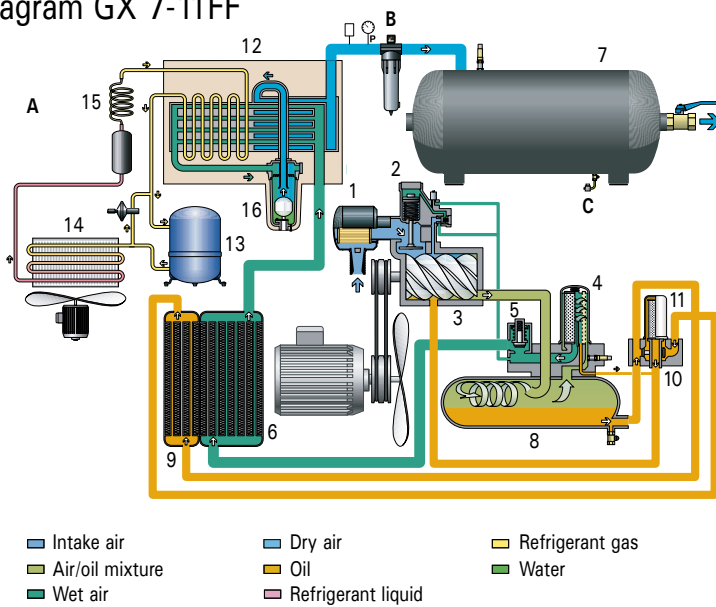


## Electronic receiver drain

- Compressed air receivers always require periodic drainage to remove any condensate that may accumulate. With the electronic drain option, this operation is handled automatically and efficiently.



## Flow diagram GX 7-11FF



- Air flow**
1. Inlet air filter
  2. Inlet check valve
  3. Compression element
  4. Oil separator element
  5. Minimum pressure valve
  6. Aftercooler
  7. Air receiver
- Oil flow**
8. Oil reservoir
  9. Oil cooler
  10. Thermostatic valve block
  11. Oil filter
- Refrigeration flow**
12. Evaporator
  13. Refrigerant compressor
  14. Condenser
  15. Capillary tube
  16. Water separator
- A - Full Feature**  
**B - PDx high efficiency air filter**  
**C - Electronic receiver drain**

■ Intake air      ■ Dry air      ■ Refrigerant gas  
■ Air/oil mixture      ■ Oil      ■ Water  
■ Wet air      ■ Refrigerant liquid

# Technical data

Compressor type	Working pressure		Capacity FAD <sup>(1)</sup>			Motor power		Noise level dB(A)	Weight <sup>(2)</sup> - kg	
	bar(e)	psig	l/s	m <sup>3</sup> /h	cfm	kW	hp		Pack	Full Feature
<b>50 Hz version</b>										
GX 2 - 10	10	145	4.0	14.4	8.5	2.2	3	61	165	200
GX 3 - 10	10	145	5.3	19.1	11.2	3	4	61		
GX 4 - 10	10	145	7.8	28.1	16.5	4	5	62		
GX 5 - 10	10	145	10.0	36.0	21.2	5.5	7.5	64		
GX 7 - 7.5 - 10 - 13	7.5	109	19.6	70.6	41.5	7.5	10	67	270	365
	10	145	15.7	56.5	33.3					
	13	189	12.2	43.9	25.9					
GX 11 -7.5 -10 -13	7.5	109	26.6	95.8	56.4	11	15	69	295	385
	10	145	23.1	83.2	48.9					
	13	189	19.0	68.4	40.3					
<b>60 Hz version</b>										
GX 2	10.3	150	4.0	14.4	8.5	2.2	3	61	165	200
GX 4	10.3	150	7.8	28.1	16.5	4	5	62		
GX 5	10.3	150	10.0	36.0	21.2	5.5	7.5	64		
GX 7 - 100 - 125 - 150 - 175	7.4	107	19.4	69.8	41.1	7.5	10	69	270	365
	9.1	132	17.0	61.2	36.0					
	10.8	157	14.5	52.2	30.7					
	12.5	181	12.3	44.3	26.1					
GX 11 -100 -125 -150 -175	7.4	107	27.0	97.2	57.2	11	15	70	295	385
	9.1	132	24.4	87.8	51.7					
	10.8	157	22.2	79.9	47.0					
	12.5	181	19.8	71.3	42.0					

(1) Unit performance measured according to ISO1217, Ed. 3, Annex C-1996.

(2) Standard air receiver size, GX2-5: 200 L / 60 Gal., GX7-11: 270 L / 72 Gal.

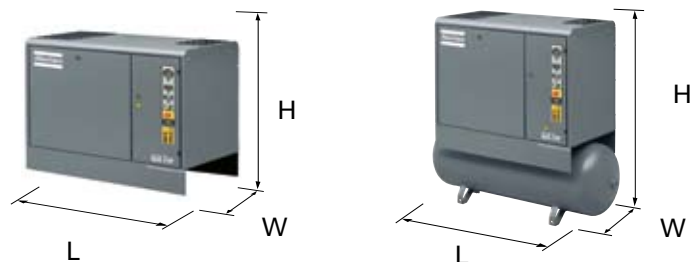
## Available options

	GX 2-5	GX 2-5FF	GX 7-11	GX 7-11FF
Dryer transformer kit	N/A	√	N/A	N/A
High performance PDx filter kit	N/A	√	N/A	√
Electronic receiver drain (tank mounted only)	√	√	√	√
Electronic water drain	N/A	N/A	TM only	√
Aftercooler with water separator	N/A	N/A	√	included
Aftercooler	N/A	N/A	√	included
500 L air receiver (tank mounted only)	N/A	N/A	√	√
Tropical thermostat	N/A	N/A	√	√

## Dimensions

L (mm) W (mm) H (mm)

Pack Floor Mounted			
GX 2-5	620	605	975
GX 7-11	870	625	994
Full Feature Floor Mounted			
GX 2-5	N/A	N/A	N/A
GX 7-11	1165	625	994
Tank Mounted			
GX 2-5	1420	575	1280
GX 7-11	1520	625	1418





What sets Atlas Copco apart as a company is our conviction that we can only excel in what we do if we provide the best possible know-how and technology to really help our customers produce, grow and succeed.

There is a unique way of achieving that - we simply call it the Atlas Copco way. It builds on **interaction**, on long-term relationships and involvement in the customers' process, needs and objectives. It means having the flexibility to adapt to the diverse demands of the people we cater for.

It's the **commitment** to our customers' business that drives our effort towards increasing their productivity through better solutions. It starts with fully supporting existing products and continuously doing things better, but it goes much further, creating advances in technology through **innovation**. Not for the sake of technology, but for the sake of our customer's profitability and peace-of-mind.

That is how Atlas Copco will strive to remain the first choice, to succeed in attracting new business and to maintain our position as the industry leader.



#### **Service competence**

Atlas Copco is committed to provide the levels of after-sales care that you require. Our highly trained engineers offer the best possible support and assistance in operating your equipment with the most modern diagnostic tools available.



#### **ISO 9001**

From design to production and delivery of compressors, Atlas Copco adheres to the ISO 9001 management system.

Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.

#### **Global capability**

Global capability with local presence means that we can respond rapidly to any situation anywhere in the world. Our world class logistics ensures timely delivery of our range of guaranteed quality spare parts.



#### **ISO 14001**

Atlas Copco's Environmental Management System forms an integral part of each business process.

**Atlas Copco**

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