

# ***OIL-INJECTED ROTARY SCREW COMPRESSORS***

GX 2-5/GX 7-11 (2-11 kW/3-15 hp)



***Atlas Copco***





## ***GX SERIES: SCREW COMPRESSORS BUILT TO LAST***

Atlas Copco screw compressors have always set the standard for reliability and performance in the compressed air industry. With the new GX 2-5 and GX 7-11, Atlas Copco brings the power and reliability of an industrial screw compressor to any type of small and medium sized industries.



### **BUILT-IN RELIABILITY**

- Rugged screw compressor technology for a 100% continuous duty cycle.
- Up to 46°C ambient temperature conditions through the selection of robust components.
- Electropneumatic operated inlet valve for stable running and long life time.

### **EASY INSTALLATION**

- Multiple variants (floor or tank mounted, with or without integrated dryer) for full flexibility.
- Minimum footprint and cooling air discharge from the top allows placement against the wall or in a corner.
- Plug and play concept thanks to easy installation.
- Installation close to the point of use thanks to low sound levels.



### **SIMPLE AND QUICK MAINTENANCE**

- Grouped service points accessible through the removable panel.
- Spin-on oil separator and filter for easy maintenance.
- Continuous oil level display without panel removal.



## GX 2-5

### COMPACT AND ECONOMICAL

- Compared to piston compressors, the GX offers reduced energy consumption and high efficiency.
- The rotary screw technology minimizes vibrations for silent operation at the lowest initial investment.
- The standard start/stop control on the GX 2-5 ensures the compressor only consumes power when compressed air is needed.

## GX 7-11

### INDUSTRY-LEADING PERFORMANCE

- Thanks to load/no load control, the compressor controller switches automatically to the optimum control mode for high, low and intermittent air consumption.
- Best-in-class performance, total reliability and low power consumption.



## EXCELLENCE IN QUALITY AIR

Untreated compressed air contains moisture, aerosols and dirt particles that can damage your system and contaminate your end product. Atlas Copco's GX compressors provide the clean, dry air that improves reliability, avoiding costly downtime and safeguarding your end products. An integrated dryer and an in-line air filter installed in the Full Feature variants do the job perfectly.

### FULL FEATURE AIR DRYER

The GX 2-11 & FF is available with an advanced built-in refrigerant air dryer. This dryer cools the compressed air and removes water before it can enter your compressed air network preventing rust in your compressed air piping and avoiding damage to your air tools.

### IN-LINE AIR FILTER

To make your compressed air system work fine in a variety of applications, different grade integrated air filters can be selected on GX 2-11 & FF units.

### FLOW CHART

#### AIR FLOW

1. Inlet air filter
2. Inlet valve
3. Compression element
4. Oil separator element
5. Minimum pressure valve
6. Aftercooler
7. Air receiver

#### OIL FLOW

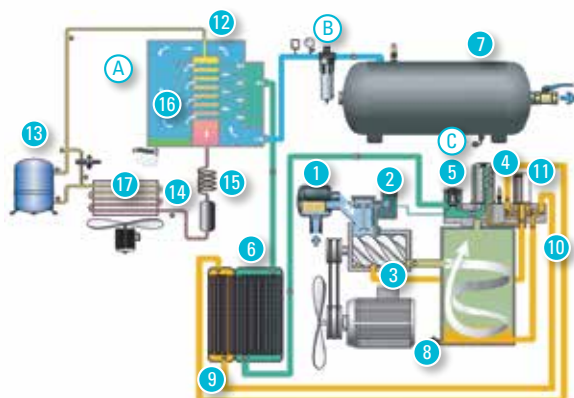
8. Oil reservoir
9. Oil cooler
10. Thermostatic valve block
11. Oil filter

#### REFRIGERANT FLOW

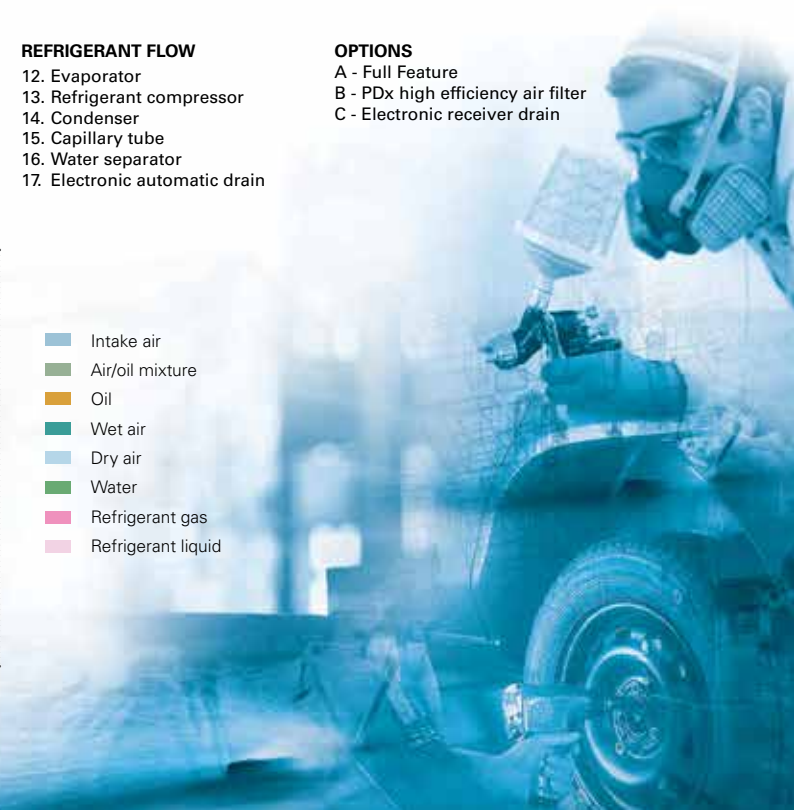
12. Evaporator
13. Refrigerant compressor
14. Condenser
15. Capillary tube
16. Water separator
17. Electronic automatic drain

#### OPTIONS

- A - Full Feature
- B - PDx high efficiency air filter
- C - Electronic receiver drain



Typical flow chart for the GX 7-11 FF





## TECHNICAL SPECIFICATIONS GX 2-3-4-5-7-11

| COMPRESSOR TYPE      | Max. working pressure |     | Capacity FAD |                     |      | Installed motor power |     | Noise level | Weight (kg/lbs)* |              |
|----------------------|-----------------------|-----|--------------|---------------------|------|-----------------------|-----|-------------|------------------|--------------|
|                      | bar(e)                | psi | l/s          | m <sup>3</sup> /min | cfm  | kW                    | hp  | dB(A)       | Pack             | Full Feature |
| <b>50 Hz VERSION</b> |                       |     |              |                     |      |                       |     |             |                  |              |
| GX 2                 | 10                    | 145 | 4.0          | 0.24                | 8.5  | 2.2                   | 3   | 61          | 165/364          | 200/441      |
| GX 3                 | 10                    | 145 | 5.3          | 0.32                | 11.2 | 3                     | 4   | 61          | 165/364          | 200/441      |
| GX 4                 | 10                    | 145 | 7.8          | 0.47                | 16.5 | 4                     | 5   | 62          | 165/364          | 200/441      |
| GX 5                 | 10                    | 145 | 10.0         | 0.6                 | 21.2 | 5.5                   | 7.5 | 65          | 165/364          | 200/441      |
| GX 7                 | 7.5                   | 109 | 19.6         | 1.18                | 41.5 | 7.5                   | 10  | 65          | 270/595          | 365/805      |
| GX 11                | 10                    | 145 | 15.7         | 0.94                | 33.3 | 7.5                   | 10  | 65          | 270/595          | 365/805      |
|                      | 13                    | 189 | 12.2         | 0.73                | 25.9 | 7.5                   | 10  | 65          | 270/595          | 365/805      |
|                      | 7.5                   | 109 | 26.6         | 1.6                 | 56.4 | 11                    | 15  | 67          | 295/650          | 385/849      |
|                      | 10                    | 145 | 23.1         | 1.39                | 48.9 | 11                    | 15  | 67          | 295/650          | 385/849      |
|                      | 13                    | 189 | 19.0         | 1.14                | 40.3 | 11                    | 15  | 67          | 295/650          | 385/849      |

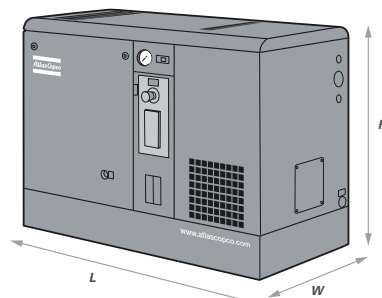
\* Tank mounted variant.

\* Unit performance measured according to ISO 1217, Ed. 3, Annex C-1996

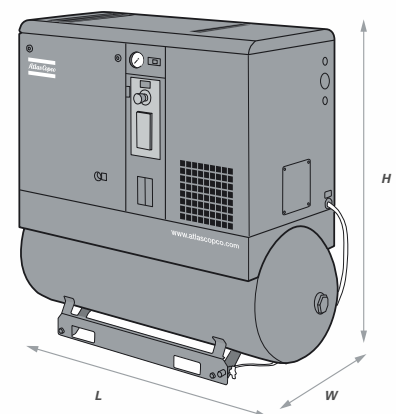
\*\* Mean noise level measured according to ISO 2151, tolerance 3 dB(A).

\*\*\* Standard air receiver size, GX 2-5: 200 l/60 gal, GX 7-11: 270 l/72 gal.

|                                   | L (mm) | W (mm) | H (mm) |
|-----------------------------------|--------|--------|--------|
| <b>PACK FLOOR MOUNTED</b>         |        |        |        |
| GX 2-5                            | N/A    | N/A    | N/A    |
| GX 7-11                           | 840    | 700    | 1085   |
| <b>FULL FEATURE FLOOR MOUNTED</b> |        |        |        |
| GX 2-5                            | N/A    | N/A    | N/A    |
| GX 7-11                           | 1235   | 700    | 1085   |
| <b>PACK TANK MOUNTED</b>          |        |        |        |
| GX 2-5                            | 1420   | 575    | 1280   |
| GX 7-11                           | 1533   | 640    | 1332   |
| <b>FULL FEATURE TANK MOUNTED</b>  |        |        |        |
| GX 2-5                            | 1420   | 575    | 1280   |
| GX 7-11                           | 1533   | 640    | 1332   |



GX 7-11  
Floor Mounted



GX 7-11  
Tank Mounted



## ***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.

### **Atlas Copco Compressor Technique**

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