

# ONE ITEM. ONE CONNECTION.

Packaged air stations and four-in-one cabinets — 4 to 18 kW, 7 to 13 bar g, 0.25 to 3 m<sup>3</sup>/min, 40 models. Skid and container formats to order.

**GREEN AIR  
COMPRESSOR**



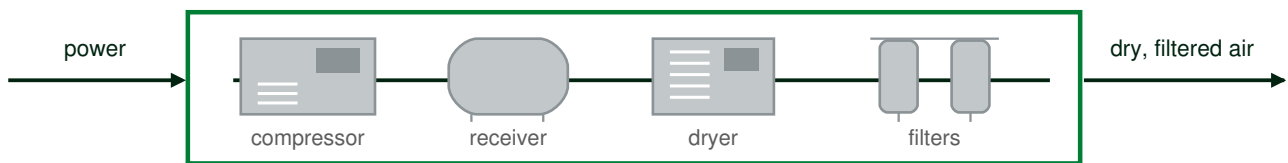
# WHAT A COMPRESSOR IS NOT

A compressor makes warm, wet, dirty air. That is not a fault; it is what compressing atmosphere does. Everything that makes the air usable happens after it leaves the machine, and on a small site those items usually arrive separately, from different quotations, and get joined together with whatever hose was to hand. The result passes a visual inspection and quietly ruins the tools downstream of it.

## Four purchases



## One purchase



under one square metre of floor, piped and wired at the factory.

The second one is not a different compressor. It is the same machine with the other three items already fitted, tested together, and warranted as one thing.



### One electrical connection

One supply, one isolator, one set of cable sizing. The commonest delay on a small installation is an electrician booked twice.



### Sized to match itself

The dryer is matched to the compressor's real outlet temperature rather than to a nameplate. That single mistake is why so many small sites have water in the ring main.



### One service visit

Compressor, dryer and filters on one schedule, one van, one visit. Not three intervals that drift apart over two years.

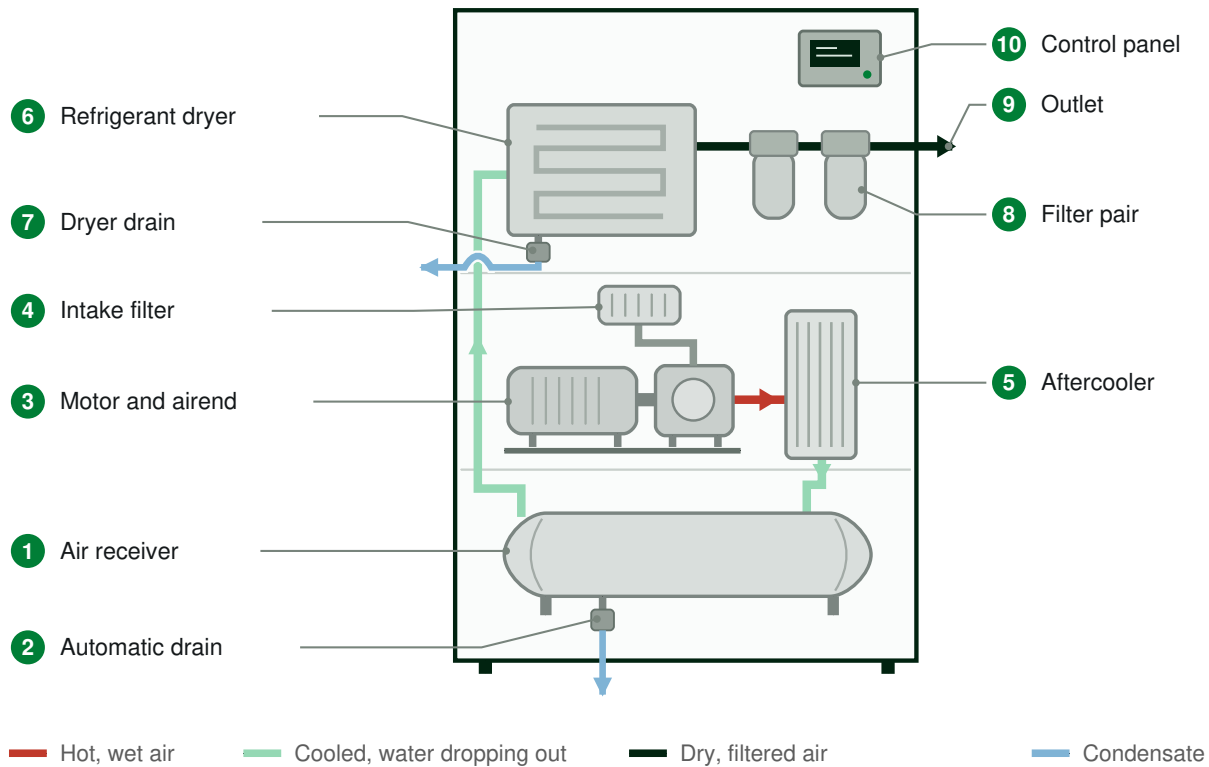


### It fits where it has to

Every model in this brochure stands on less than a square metre, which is what the compressor alone used to occupy.

# WHAT IS INSIDE THE CABINET

The order these four things go in is not a matter of preference, and it is the reason the cabinet works where four loose items often do not.



Both drains are fitted and piped at the factory. A drain that was never connected is the second commonest reason water reaches a ring main, after a dryer that was never sized against the compressor it sits behind.

## The dryer is the part that earns it

In Karachi, Dubai or Muscat a dryer costs less than the air tools it protects, and the rust from wet air destroys them from the inside, where nobody looks.



# PACKAGED AIR STATIONS

**What it is.** Compressor, dryer, filters and a 250 litre receiver supplied as one item on one frame, with both drains fitted and piped. 4 to 11 kW, 7 to 13 bar g, 0.25 to 1.8 m³/min, sixteen models.

**Who buys it.** A workshop or small factory putting in compressed air for the first time, and anyone replacing a bare compressor who has learned what the other three items are for.

| Model        | Motor |    | Pressure |       | Capacity |     | Receiver |     | Noise | Weight |     | Dimensions        |
|--------------|-------|----|----------|-------|----------|-----|----------|-----|-------|--------|-----|-------------------|
|              | kW    | hp | bar g    | psi g | m³/min   | cfm | L        | gal | dB(A) | kg     | lb  | L × W × H mm      |
| GA-PS-4A-7   | 4     | 5  | 7        | 102   | 0.50     | 18  | 250      | 66  | 60    | 250    | 551 | 1426 × 620 × 1420 |
| GA-PS-4A-8   | 4     | 5  | 8        | 116   | 0.50     | 18  | 250      | 66  | 60    | 250    | 551 | 1426 × 620 × 1420 |
| GA-PS-4A-10  | 4     | 5  | 10       | 145   | 0.40     | 14  | 250      | 66  | 60    | 250    | 551 | 1426 × 620 × 1420 |
| GA-PS-4A-13  | 4     | 5  | 13       | 189   | 0.25     | 9   | 250      | 66  | 60    | 250    | 551 | 1426 × 620 × 1420 |
| GA-PS-5A-7   | 5.5   | 7  | 7        | 102   | 0.80     | 28  | 250      | 66  | 60    | 270    | 595 | 1426 × 620 × 1420 |
| GA-PS-5A-8   | 5.5   | 7  | 8        | 116   | 0.80     | 28  | 250      | 66  | 60    | 270    | 595 | 1426 × 620 × 1420 |
| GA-PS-5A-10  | 5.5   | 7  | 10       | 145   | 0.63     | 22  | 250      | 66  | 60    | 270    | 595 | 1426 × 620 × 1420 |
| GA-PS-5A-13  | 5.5   | 7  | 13       | 189   | 0.50     | 18  | 250      | 66  | 60    | 270    | 595 | 1426 × 620 × 1420 |
| GA-PS-7A-7   | 7.5   | 10 | 7        | 102   | 1.15     | 41  | 250      | 66  | 62    | 290    | 639 | 1426 × 620 × 1420 |
| GA-PS-7A-8   | 7.5   | 10 | 8        | 116   | 1.15     | 41  | 250      | 66  | 62    | 290    | 639 | 1426 × 620 × 1420 |
| GA-PS-7A-10  | 7.5   | 10 | 10       | 145   | 1        | 35  | 250      | 66  | 62    | 290    | 639 | 1426 × 620 × 1420 |
| GA-PS-7A-13  | 7.5   | 10 | 13       | 189   | 0.79     | 28  | 250      | 66  | 62    | 290    | 639 | 1426 × 620 × 1420 |
| GA-PS-11A-7  | 11    | 15 | 7        | 102   | 1.80     | 64  | 250      | 66  | 66    | 330    | 728 | 1426 × 620 × 1420 |
| GA-PS-11A-8  | 11    | 15 | 8        | 116   | 1.80     | 64  | 250      | 66  | 66    | 330    | 728 | 1426 × 620 × 1420 |
| GA-PS-11A-10 | 11    | 15 | 10       | 145   | 1.50     | 53  | 250      | 66  | 66    | 330    | 728 | 1426 × 620 × 1420 |
| GA-PS-11A-13 | 11    | 15 | 13       | 189   | 1.20     | 42  | 250      | 66  | 66    | 330    | 728 | 1426 × 620 × 1420 |

The same 250 litre receiver is supplied across the range. Each motor rating appears at four pressures; capacity falls as pressure rises, which is why the 13 bar model of a given motor delivers about half what the 7 bar one does. Imperial figures are converted from the metric values and rounded.

# FOUR-IN-ONE CABINETS

**What it is.** The same four items, but inside one enclosure rather than on one open frame — a cabinet to stand in a corner, quiet enough to work beside and small enough to get through a door. 4 to 18 kW, 7 to 13 bar g, 0.25 to 3 m³/min, twenty-four models.

**What changes.** The receiver is internal, which limits starts rather than covering peaks. Where the demand is peaky an external receiver is added downstream; the two do different jobs, and having one does not remove the need for the other.

| Model       | Motor |    | Pressure |       | Capacity |     | Receiver |     | Noise | Weight |      | Dimensions        |
|-------------|-------|----|----------|-------|----------|-----|----------|-----|-------|--------|------|-------------------|
|             | kW    | hp | bar g    | psi g | m³/min   | cfm | L        | gal | dB(A) | kg     | lb   | L × W × H mm      |
| GA-B-4A-7   | 4     | 5  | 7        | 102   | 0.50     | 18  | —        | —   | 60    | 150    | 331  | 800 × 620 × 810   |
| GA-B-4A-8   | 4     | 5  | 8        | 116   | 0.50     | 18  | —        | —   | 60    | 150    | 331  | 800 × 620 × 810   |
| GA-B-4A-10  | 4     | 5  | 10       | 145   | 0.40     | 14  | —        | —   | 60    | 150    | 331  | 800 × 620 × 810   |
| GA-B-4A-13  | 4     | 5  | 13       | 189   | 0.25     | 9   | —        | —   | 60    | 150    | 331  | 800 × 620 × 810   |
| GA-B-5A-7   | 5.5   | 7  | 7        | 102   | 0.80     | 28  | —        | —   | 60    | 170    | 375  | 800 × 620 × 810   |
| GA-B-5A-8   | 5.5   | 7  | 8        | 116   | 0.80     | 28  | —        | —   | 60    | 170    | 375  | 800 × 620 × 810   |
| GA-B-5A-10  | 5.5   | 7  | 10       | 145   | 0.63     | 22  | —        | —   | 60    | 170    | 375  | 800 × 620 × 810   |
| GA-B-5A-13  | 5.5   | 7  | 13       | 189   | 0.50     | 18  | —        | —   | 60    | 170    | 375  | 800 × 620 × 810   |
| GA-B-7A-7   | 7.5   | 10 | 7        | 102   | 1.15     | 41  | —        | —   | 62    | 190    | 419  | 800 × 620 × 810   |
| GA-B-7A-8   | 7.5   | 10 | 8        | 116   | 1.15     | 41  | —        | —   | 62    | 190    | 419  | 800 × 620 × 810   |
| GA-B-7A-10  | 7.5   | 10 | 10       | 145   | 1        | 35  | —        | —   | 62    | 190    | 419  | 800 × 620 × 810   |
| GA-B-7A-13  | 7.5   | 10 | 13       | 189   | 0.79     | 28  | —        | —   | 62    | 190    | 419  | 800 × 620 × 810   |
| GA-B-11A-7  | 11    | 15 | 7        | 102   | 1.80     | 64  | —        | —   | 66    | 230    | 507  | 800 × 620 × 810   |
| GA-B-11A-8  | 11    | 15 | 8        | 116   | 1.80     | 64  | —        | —   | 66    | 230    | 507  | 800 × 620 × 810   |
| GA-B-11A-10 | 11    | 15 | 10       | 145   | 1.50     | 53  | —        | —   | 66    | 230    | 507  | 800 × 620 × 810   |
| GA-B-11A-13 | 11    | 15 | 13       | 189   | 1.20     | 42  | —        | —   | 66    | 230    | 507  | 800 × 620 × 810   |
| GA-B-15A-7  | 15    | 20 | 7        | 102   | 2.30     | 81  | —        | —   | 66    | 420    | 926  | 775 × 1050 × 1050 |
| GA-B-15A-8  | 15    | 20 | 8        | 116   | 2.30     | 81  | —        | —   | 66    | 420    | 926  | 775 × 1050 × 1050 |
| GA-B-15A-10 | 15    | 20 | 10       | 145   | 2.05     | 72  | —        | —   | 66    | 420    | 926  | 775 × 1050 × 1050 |
| GA-B-15A-13 | 15    | 20 | 13       | 189   | 1.65     | 58  | —        | —   | 66    | 420    | 926  | 775 × 1050 × 1050 |
| GA-B-18A-7  | 18    | 24 | 7        | 102   | 3        | 106 | —        | —   | 66    | 480    | 1058 | 775 × 1050 × 1050 |
| GA-B-18A-8  | 18    | 24 | 8        | 116   | 3        | 106 | —        | —   | 66    | 480    | 1058 | 775 × 1050 × 1050 |
| GA-B-18A-10 | 18    | 24 | 10       | 145   | 2.60     | 92  | —        | —   | 66    | 480    | 1058 | 775 × 1050 × 1050 |
| GA-B-18A-13 | 18    | 24 | 13       | 189   | 2.20     | 78  | —        | —   | 66    | 480    | 1058 | 775 × 1050 × 1050 |

*These cabinets carry an internal receiver, so no separate vessel volume is listed. The 15 and 18 kW models use a larger frame, which is why their dimensions do not follow the smaller ones. Imperial figures are converted and rounded.*

# FRAME OR CABINET

The two families hold the same four items and reach the same pressures. What separates them is the receiver, the floor, and how far up the range you need to go.

|             | Air station (GA-PS)           | Four-in-one cabinet (GA-B)                     |
|-------------|-------------------------------|------------------------------------------------|
| Arrangement | One open frame                | One closed enclosure                           |
| Receiver    | 250 L, external, on the frame | Internal                                       |
| Motor range | 4 to 11 kW                    | 4 to 18 kW                                     |
| Capacity    | 0.25 to 1.8 m³/min            | 0.25 to 3 m³/min                               |
| Footprint   | 1426 × 620 mm                 | 800 × 620 mm, or 775 × 1050 on the two largest |
| Height      | 1420 mm                       | 810 mm, or 1050 on the two largest             |
| Weight      | 250 to 330 kg                 | 150 to 480 kg                                  |
| Noise       | 60 to 66 dB(A)                | 60 to 66 dB(A)                                 |
| Models      | 16                            | 24                                             |

## If the demand is peaky, the station wins.

Spray guns, blow-off and impact tools draw in bursts. A 250 litre vessel absorbs those bursts so the machine is not starting and stopping all shift, and that is what the station's external receiver is there for.

## If the floor is tight or the room is occupied, the cabinet wins.

It is about half the footprint and a good half metre shorter, so it goes under a bench or through a standard doorway, and the enclosure is what makes it bearable to stand next to.

## Above 11 kW there is one answer.

The station range stops at 11 kW. The 15 and 18 kW cabinets carry on, and where those need buffer volume a separate receiver goes downstream.

### The question that decides it

Not how many kilowatts, but how much air is drawn at the same moment. A workshop with four bays using one tool each is a different machine from the same workshop blowing a line clear twice an hour. Send us the tool list and we will do that arithmetic for you.

# WHEN ONE CABINET IS NOT ENOUGH

**Skid mounted.** The whole air system on one steel frame, piped, wired and tested in our workshop and craned into your building. You get a document set that a site installation struggles to match, and everything stays visible for inspection.

**Containerised.** The same thing with its own building around it. Where there is no suitable room, or the plant will move when the project does, a container is the only sensible answer — craned into position, power and air line connected, running the same day.

|                        | Cabinet                  | Skid                       | Container                    |
|------------------------|--------------------------|----------------------------|------------------------------|
| Where it goes          | A corner of the workshop | Inside your building       | Anywhere a truck reaches     |
| Needs a building       | Yes                      | Yes                        | No                           |
| Chosen from a list     | Yes, from this brochure  | No, built to a drawing     | No, built to a drawing       |
| Installation           | One connection           | A day, craned in           | A day, craned in             |
| Tested before it ships | Yes                      | Yes, as a complete station | Yes, as a complete station   |
| Moves later            | Carried                  | Unbolted                   | Craned onto a truck          |
| Ventilation            | Room ventilation         | Room ventilation           | Built in, sized for the site |

## What we need to quote a skid or a container

- The air demand and the working pressure
- Whether the duty can stop for a service
- The space available, and the door or crane access
- The dust the site actually has
- The site's summer peak temperature
- Where it goes afterwards, if the project moves

## Heat is what gets underestimated

A machine puts very nearly all of its electrical input into the room as heat. On a skid or in a container we size the ventilation against the rejected heat and your summer peak, not against a standard figure.



# FOUR THINGS WE CANNOT DO FOR YOU

The package removes most of an installation. These four are what is left, and each of them is a common way for a good machine to disappoint.



## Where the condensate goes

Both drains are fitted and piped to the edge of the machine. Beyond that it is your drain, and what comes out of a compressor is water with oil in it. Tell us what the site is allowed to discharge and we will say whether a separator belongs in the quotation.



## The air the machine breathes

It needs cool air in and hot air out. In a closed store room the intake temperature climbs until the machine is compressing its own exhaust, and the first symptom is a dryer that no longer dries. Give us the room and we will tell you the opening.



## The pipe between here and the tools

A long run in undersized pipe loses more pressure than the difference between two models in the table. It is the cheapest thing to get right at the start and the most expensive to correct afterwards.



## The electrical supply

One connection, but it still has to be the right one: the supply, the isolator and the cable sizing are the installer's, and a starting current is not a running current. Our quotation states what the electrician needs.

## Commissioning is included

We set the pressure, prove the drains, check the dryer against the real outlet temperature on the day, and show whoever runs the plant what to look at weekly.





# GREEN AIR COMPRESSOR

## ***TELL US THE ROOM, NOT JUST THE KILOWATTS***

A packaged station is chosen against the installation, not against a motor rating. How much air the tools actually need at the same time, what the air touches at the far end, how hot the room gets in July, how long the pipe run is, whether there is a door wide enough, and where the condensate is allowed to go. Send us those and you get back a written recommendation naming the station, the receiver that goes with it, the drain arrangement and what the electrician needs to know, with delivery and installation set out. It costs nothing and carries no obligation.

### **Green Air Compressor**

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