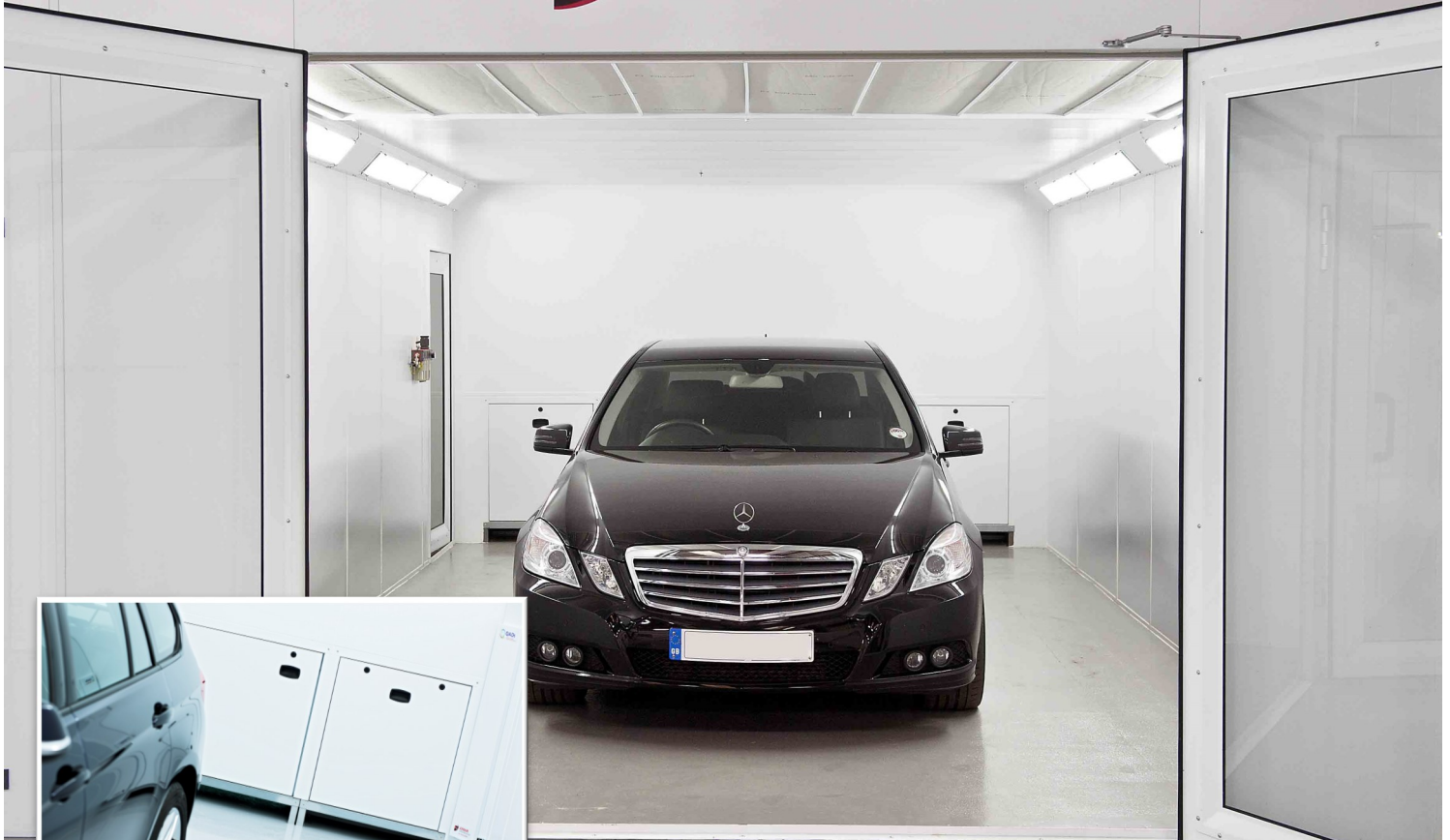




**JUNAIR**  
SPRAYBOOTHS



## 1 Series Spraybooth Oven

The 1 Series has been developed for customers wanting an economical, low cost spraybooth oven, but also require high quality construction, excellent performance and unrivalled reliability. The 1 Series is a semi-down draught spraybooth with rear extraction, and can be designed and manufactured to any size.

- ✓ High Quality Construction & Installation
- ✓ HSE Fire Compliant
- ✓ Easy Change Filters
- ✓ Lighting Level Minimum 1000 Lux
- ✓ Full Range of Spraybooth options



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## Features

The 1 Series has been designed and manufactured in the UK using premium quality construction materials. Its white polyester paint finish on galvanised steel substrate offers excellent corrosion resistance and a light working environment whilst also providing an aesthetically pleasing modern and clean appearance. Wall and roof panels are sealed internally ensuring optimum cleanliness. Filter medias are quick and simple to change by just one operative. The 1 Series comes with fully glazed 2 leaf doors as standard, with a wide door opening (2,650mm) for ease of loading and unloading whilst offering undisturbed views into and out of the working areas.

### Performance

- Designed for use with 2007 compliant coatings.
- Junair QADs provide more consistent results than conventional spraybooth oven equipment. Typically reducing process times by 35%.
- Direct gas fired with fully modulating burner ensures fast temperature rise and accurate temperature profiling. Direct firing saves approximately 30% of fuel cost compared to indirect gas fired systems.
- Quiet in operation. Sound attenuation is an integral part of the air handling plant.
- Direct drive centrifugal fans are reliable and efficient with no drive belts to change.

### Energy efficiency

- Energy efficient options include;
  - QADs\* auxiliary air movement system (40% energy saving)*
  - FS Mode\* – automatic recirculation for idle and flash off (saves a further 20%)*
  - Variable speed drives\* (70% energy saving when combined with above)*
- Eff1 energy efficient motors fitted as standard: a tax rebate can be claimed for these.

### Lighting

- Lighting level minimum 1,000 lux using angled white steel reflectors.
- Slim line Ultralux light fittings reduce the "dead zone" within the cabin.
- High frequency electronic light ballast's save energy and extend tube life.
- Lights maintained from inside spraybooth for easy access.



LED lighting option\*

### Legislation

- Designed, manufactured and installed to meet the latest Government legislation; EU Machinery Directive CE, COSHH, Environmental Protection Act, Health and Safety at Work Act, ATEX

### Warranty, service and support

- 3 year warranty is standard subject to service contract
- Skilled engineers provide national service support with maintenance divisions nationwide.
- Spare parts available ex stock

\* Feature incurs an additional cost



QADs auxiliary air movement system option\*

# Technical Specification

## Dimensions (standard cabin)

|          |  |
|----------|--|
| Internal | 6,500mm x 4,000mm x 2,430mm high         |
| External | 6,600mm x 4,080mm x 2,930mm high         |
| Plant    | Rear mounted 1,000mm deep x 2,000mm long |

## Options (bespoke sizes available on request)

|        |                                       |
|--------|---------------------------------------|
| Length | 7,500mm / 8,000mm ( <i>internal</i> ) |
| Height | 3,030mm / 3,600mm ( <i>internal</i> ) |

## Filtration

|                     |   |
|---------------------|---|
| Input filter        | 3,600mm wide x 2,000mm long input filter  |
| Input filter        | Resin applied 600g – 10 micron – EU5  |
| Extract filter type | Duplex fibreglass and polyester fibre ( <i>less than 10mg/m<sup>3</sup> emissions</i> ) |

## Air temperature

|      |                             |
|------|-----------------------------|
| Rise | 25°C above external ambient |
|------|-----------------------------|

## Floor

|          |  |
|----------|--|
| Standard | Sits on concrete floor. No excavation. |
|----------|--|

## Lighting

|           |  |
|-----------|--|
| Standard  | Ultralux - high lumen fluorescent tubes    |
| Lux level | 1000 lux plus                              |
| Ballast   | High frequency electronic. No maintenance. |

## Energy saving options

|          |  |
|----------|--|
| QADs*    | Auxiliary air movement ( <i>40% energy saving</i> )    |
| FS mode* | Automatic recirculation ( <i>saves a further 20%</i> ) |

## Noise

|       |   |
|-------|---|
| Cabin | 76 – 78 dBA (Conforms to HSE legislation) |
|-------|---|

|                           |  |                         |                         |
|---------------------------|--|-------------------------|-------------------------|
| <b>Air Handling Plant</b> |  | 12,000m <sup>3</sup> /h | 20,000m <sup>3</sup> /h |
| Position                  | Floor standing ( <i>rear</i> ) or optional roof mounted, internally accessed |                         |                         |
| Rated air-flow            | Air changes per min ( <i>standard cabin</i> )                                | 3.2                     | 5.3                     |
| Air movement              | Semi-down draught; ceiling input with rear chest extraction                  |                         |                         |
| Burner                    | Direct gas fired – natural gas or LPG  |                         |                         |
| Burner type               | Fully modulating gas burner  | 100kW                   | 170kW                   |
| Fans                      | Direct drive centrifugal - aluminium impellers                               |                         |                         |
| <b>Fan motors</b>         |  | 12,000m <sup>3</sup> /h | 20,000m <sup>3</sup> /h |
| Input & Extract           | Each IE2 – 415V three phase high efficiency                                  | 3.0 kW                  | 5.5 kW                  |
| <b>Services</b>           |  | 12,000m <sup>3</sup> /h | 20,000m <sup>3</sup> /h |
| Electrics                 | 415V / 50Hz TP + neutral   | 20A                     | 32A                     |
| Gas input                 | Natural gas  | 9.2 m <sup>3</sup> /h   | 15.6 m <sup>3</sup> /h  |
| Gas input                 | LPG  | 3.9 m <sup>3</sup> /h   | 6.6 m <sup>3</sup> /h   |
| Gas pressure              | Min – 20mbar Max – 50mbar  |                         |                         |



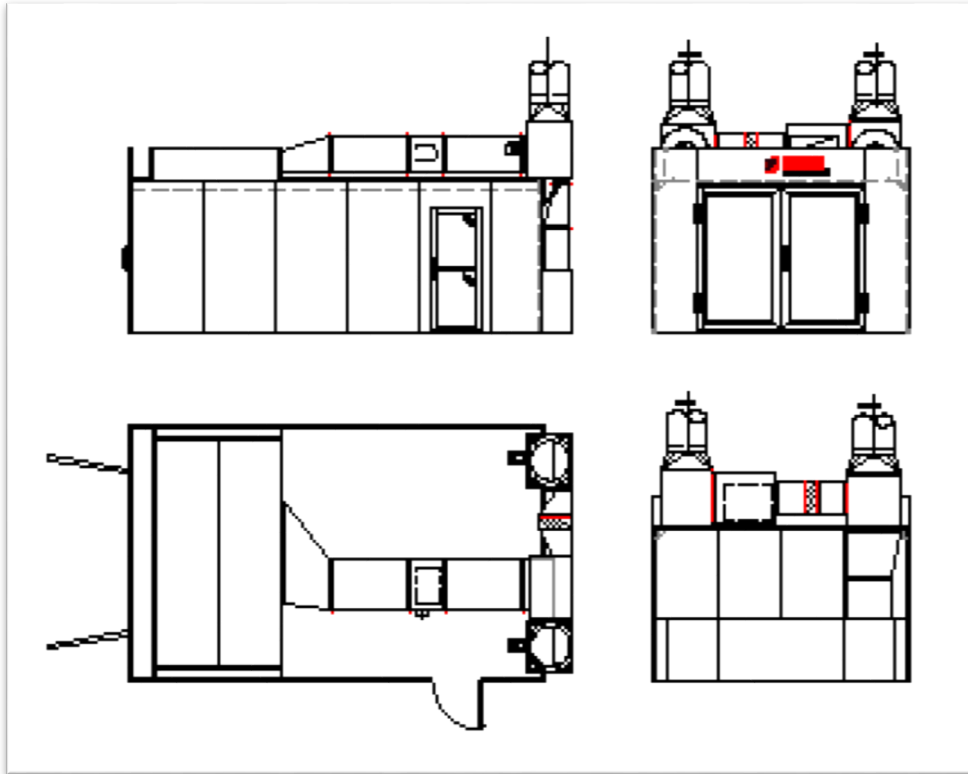
3 leaf door option\*



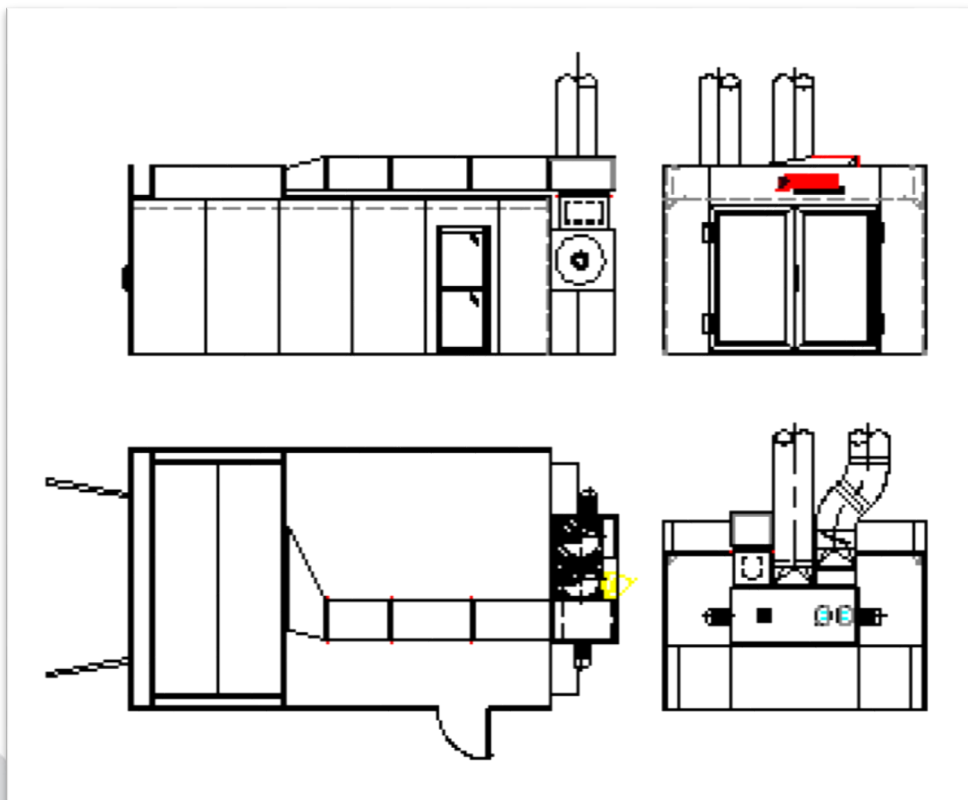
Standard control panel



## 1 Series 12,000m<sup>3</sup>/hr Plant - Roof Mounted



## 1 Series 12,000m<sup>3</sup>/hr Plant - Floor Mounted



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