

3 Series Spraybooth Oven

The 3 Series is our mid-range spraybooth which can be designed and built to your individual requirements, offering enhanced features to increase the quality of your paint finish. Constructed from high quality, insulated double skinned steel finished ensuring reliability and durability. The 3 Series is a downdraught spraybooth which can be manufactured to any size.

- ✓ High Quality Construction & Installation
- ✓ HSE Fire Compliant
- ✓ Easy Change Filters
- ✓ Lighting Level Minimum 1200 Lux
- ✓ Full Range of Spraybooth options



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SPRAYBOOTH



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Features

The 3 Series spraybooth oven 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. A full width full length input plenum is incorporated for improved air-movement within the booth. Wall and roof panels are sealed internally ensuring optimum cleanliness. Filter medias are quick and simple to change by just one operative.

The 3 Series comes with 2,650mm wide fully glazed access doors for ease of loading and unloading whilst offering undisturbed views into and out of the working areas.

Performance

- Designed for use with 2007 compliant paint coatings.
- Junair QADs provide more consistent results than conventional spraybooth oven equipment. Typically reducing process times by 35% .
- Direct gas firing 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 & efficient with no drive belts to change.
- Eff1 energy efficient motors fitted as standard: a tax rebate can be claimed for these.



Lighting

- Lighting level minimum 1,200 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 and provide more light output.
- Lights are maintained from inside the spraybooth for ease of access.

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.

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)*
- Optional LEVAC 140mm high, low profile fully extracted and gridded floor* (no excavation required) or EVAC 500mm deep fully extracted and gridded floor*
- Optional System PLC control option with patented "Select Control" function where each paint type has a pre-programmed profile for more consistent results*
- LED Lighting option with a 5 year 'no quibble' warranty*

* Feature incurs an additional cost

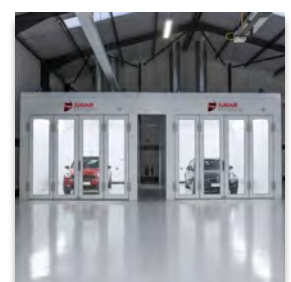
Technical Specification

Dimensions (standard cabin)		Floor	
Internal	6,920mm x 4,000mm x 2,430mm high	Standard	Central pit 5,000mm x 2,000mm
External	7,020mm x 4,080mm x 2,930mm high	Option	140mm high, low profile fully extracted and gridded floor, no excavation required.
Options (bespoke sizes available on request)		Option EVAC	500mm deep fully extracted gridded floor.
Length	8,071mm (<i>internal</i>)	Lighting	
Width	4,500mm (<i>internal</i>)	Standard	Ultralux - high lumen fluorescent tubes
Height	3,030mm / 3,600mm (<i>internal</i>)	Lux level	1200 lux plus
Filtration		Ballast	High frequency electronic. No maintenance
Input filter	3,600mm x 6,000mm minimum	Energy saving options	
Input filter	Resin applied 600g – 10 micron – EU5	QADs	Auxiliary air movement (<i>40% energy saving</i>)
Extract filter type	Duplex fibreglass and polyester fibre (<i>less than 10mg/m³ emissions</i>)	FS mode	Automatic recirculation (<i>saves a further 20%</i>)
Air temperature		Variable air flow	Automatic 4 speed Variable Speed Drive (VSD) system
Rise	25°C above external ambient	Noise	
		Cabin	76 – 78 dBA (Conforms to HSE legislation)

Air Handling Plant		12,000m ³ /h	20,000m ³ /h	25,000m ³ /h
Position	Floor standing or optional roof mounted			
Rated air-flow	Air changes per min (<i>Standard cabin</i>)	3.2	5.3	6.2
Air movement	Downdraught; ceiling input with floor extraction			
Burner	Direct gas fired – natural gas or LPG			
Burner type	Fully modulating gas burner	100kW	170kW	212kW
Fans	Direct drive centrifugal - aluminium impellers			
Fan motors		12,000m ³ /h	20,000m ³ /h	25,000m ³ /h
Input & Extract	Each IE2 – 415V three phase high efficiency	3.0 kW	5.5 kW	7.5kW
Services		12,000m ³ /h	20,000m ³ /h	25,000m ³ /h
Electrics	415V / 50Hz TP + neutral	20A	32A	45A
Gas input	Natural gas	9.2 m ³ /h	15.6 m ³ /h	19.4 m ³ /h
Gas input	LPG	3.9 m ³ /h	6.6 m ³ /h	8.15 m ³ /h
Gas pressure	Min – 20mbar Max – 50mbar			

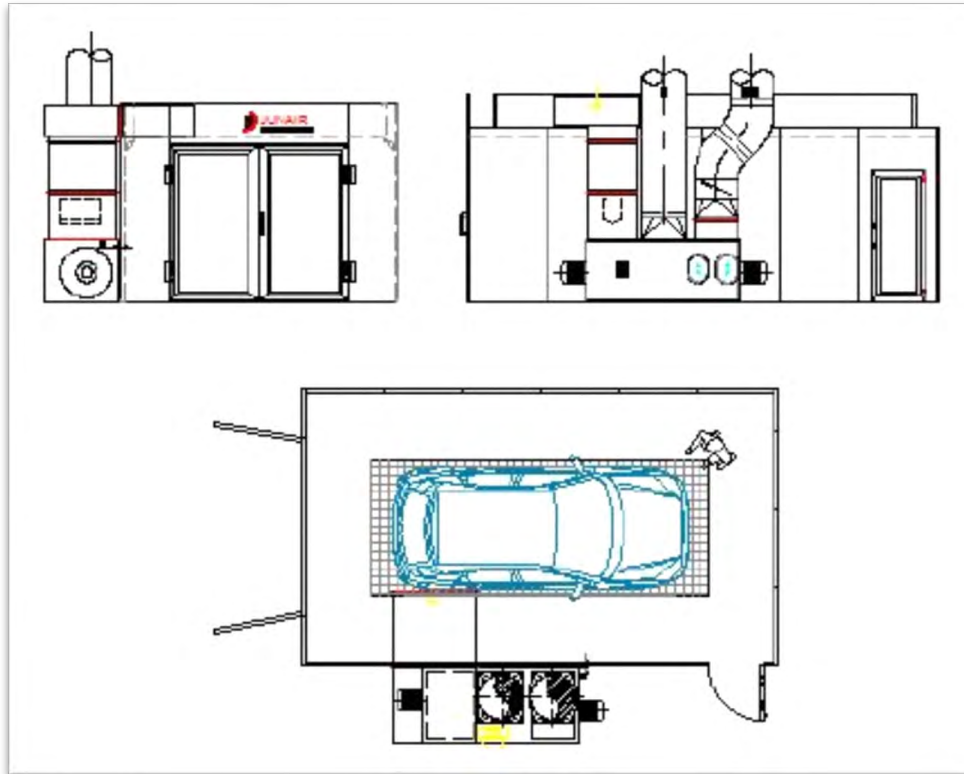


Optional touch screen control panel



Optional 4 leaf door set

3 Series - Pit Extract



3 Series—Fully Extracted and Gridded

