

**Gardner**  
**Denver**

TRANSPORT SOLUTIONS

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# Air compressor solutions Transit Enquiry form



# Air Compressor Systems – Design Criteria

## Company Details

Company

Contact

Town & Country

Email / Phone

## General Application Details

Pneumatic Applications.  
e.g, Air Brake System,  
Air Suspension System,  
Door Activation.

Type of application.  
e.g, Bus, Truck etc.

Type of vehicle.  
e.g. Hybrid, Fuel Cell,  
Battery etc.

New vehicles or  
refurbishment program

Projected contract volume

Estimated timescale

weeks

Prototype required (Y / N)

**Please fill in the following sheets regarding: air system, power system, environment**

**Air System**

**System Pressure**

BAR  PSI

Flow (L/Min or CFM)

Preferred cooling  
(Air or Water)

Dew point suppression  
(If known)

Total System Volume

Maximum Pump Up Time

**System Control**

Stop / Start

Smart Drive

(Please tick 1 option)

Setting

Cut out

BAR

PSI

Cut in

BAR

PSI

**Expected Duty Cycle**

%

**Power System**

**Electrically Powered Compressor**

Motor supply: AC or DC (Fill in appropriate section)

**DC Supply**

Voltage

Nominal

Volts

Voltage range

+/- Volts

Or:

Max Volts

Min Volts

Max current

Amps

**System Protection**

Motor over temp switch req'd

Compressor over temp req'd

Current overload protection

**AC Supply**

Voltage

Nominal

Volts

Number of phases

+/- Volts  
(1, 3 etc.)

Max current per phase

Please state source of power:  
e.g. Alternator Set, Battery,  
Chopper, Inverter

**Environment**

**Ambient Conditions**

Temperature High  DEG C  DEG F  
Low  DEG C  DEG F  
Maximum humidity  %

**Mechanical Interface**

(Please provide drawings and photographs)

Space envelope mounting points orientation on vehicle

Electrical interface

Pneumatic interface

**Noise**

Maximum sound pressure level  DBA

**Operating Environment**

Description of operating environment e.g. Highway, on or off road etc.

Specify compressor location e.g. Underfloor, Roof

Specify compressor protection e.g. Outside, Shielded, Ventilated Enclosure, Enclosed

Conditions - Dirt  Clean = 0, Very Dusty = 10

Conditions - Water  Dry = 0, Very Wet = 10

IP rating

Minimum maintenance / inspection period  Days

Any other comments