

Gardner
Denver

TRANSPORT SOLUTIONS

We keep you moving

Air compressor solutions
Rail 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 vehicle
e.g. Passenger Trains,
Track Maintenance
Vehicle 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)

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

Predicted Duty Cycle

%

Condensate Management

Auto drain

Manual drain

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

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

System Protection

Motor over temp switch req'd

Compressor over temp req'd

Current overload protection

Alternative Power Source

Gardner Denver Transport Solutions can offer compressed air systems to run off a variety of power supplies. For example, hydraulic. In each case we can offer a complete system from prime mover to compressed air delivery.

Drive options:

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. Surface Rail, Underground 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