

Advanced Troubleshooting Guide for Air Brake Compressors*

The guide consists of an introduction to air brake charging system components, a table showing recommended vehicle maintenance schedules, and a troubleshooting symptom and remedy section with tests to diagnose most charging system problems.

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*This guide is only for vehicles that use desiccant air dryers.

Abs Troubleshooting Guide

R Sanford

A red circular graphic with a gradient, appearing as a stylized arrow or a light effect, positioned to the right of the author's name.

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web desire maximum current rating of bus bar 630amp fault current i_{sc} 50ka fault duration t 1sec the operating temperature rises for the busbar is operating temperature of bus bar θ 85 c final temperature of bus bar during fault θ 1 185 c temperature rise of bus bar bar during fault θ t θ 1 θ 100 c ambient

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web circuit board pcb this board is then placed into a cutout hole or slot located in the center of a bus bar figure 1 shows the alternate approach using two drv425 devices when a cutout hole or slot is placed in the center of the bus bar the current is split in two equal parts each side of the cutout will generate

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web knowing required ampacity determine possible bus bar dimensions from this table then check the ampacity table to verify that size selected has the necessary ampacity example assume that required ampacity is 185 amps at 30 c rise this table indicates that 1 16 x 1 in size would probably be adequate this is confirmed by the ampacity

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