



# Acs510 modified screw air compressor

Who makes acs510 drive?

Supplied from China by: Guangzhou Tofee Electro Mechanical Equipment Co., Ltd Email: info@tofee.com.cn... Page 2 ACS510 User's Manual ACS510 Drive Manuals The Industrial wordmark and Product names in the form Drive are registered or pending trademarks of ABB.

How to increase motor speed on acs510?

1. Apply input power. When power is applied to the ACS510, the green LED comes on. Note! Before increasing motor speed, check that the motor is running in the desired direction. The ACS510 has default parameter settings that are sufficient for many situations. However, review the following situations.

What does acs510 mean?

Defines the nominal motor voltage. Must equal the value on the motor rating plate. The ACS510 cannot supply the motor with a voltage greater than the mains voltage. Defines the nominal motor current. Must equal the value on the motor rating plate. Range allowed: (0.2...2.0)  $\times$  I<sub>2n</sub>. Defines the nominal motor frequency.

How do I check the installation of acs510?

Page 24 ACS510 User's Manual Check Installation Before applying power, perform the following checks. Check Installation environment conforms to the drive's specifications for ambient conditions. The drive is mounted securely. Space around the drive meets the drive's specifications for cooling.

How does acs510 auxiliary motor work?

The ACS510 assigns auxiliary motors to relays in ascending order. If the Autochange function is disabled, the first auxiliary motor is the one connected to the first relay with a parameter setting = 31 PFC, and so on. If the Autochange function is used, the assignments rotate.

Does acs510 have a cooling air fan?

ACS510 is fitted with cooling air fans. The cooling air must be free from corrosive materials and not above the maximum ambient temperature of 40°C (50°C with derating). For more specific environmental limits see page 5. \*) According to IEC-60 69 standard. Standard fuses can be used with ABB standard drives.

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Installation Flow Chart The installation of the ACS510 adjustable speed AC drive follows the outline below. The steps must be carried out in the order shown.

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The motor data on the ratings plate may differ from the defaults in the ACS510. The drive provides more precise control and better thermal protection if you enter the rating plate data.

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The ACS510 can detect a wide variety of potential system problems. For example, initial system operation may generate faults or alarms that indicate set-up problems.

ACS510 is fitted with cooling air fans. The cooling air must be free from corrosive materials and not above the maximum ambient temperature of 40oC (50oC with derating).

! If The Compressor or air dryer or the filters are the first screw compressor / air dryer / filter experience of the user or user has never performed the PM required before, It is a ...

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