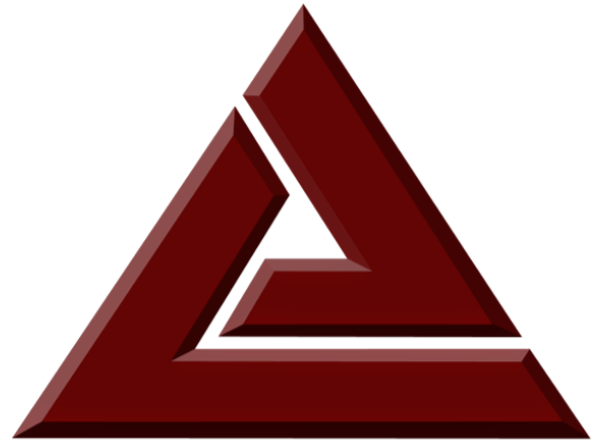


DUAL S.P.A.C. Package

A.C.T. Part # VIA-AS003-010

DESCRIPTION

The Alert Control Technologies Dual Solar Powered Air Compressor (S.P.A.C.) package with dual air receiver tanks is an easy to install all-in-one solution that provides an automatically refilled and manually redundant source of compressed air for remote locations. Shipped as a completed assembly, installation is quick and simple at the desired location. The entire S.P.A.C. package is controlled by a Siemens LOGO! PLC that enables the operator to custom configure certain operating parameters like the pressure range to start/stop refilling the tanks (max 125 PSI) and is powered by a 100Ah Sealed Lead Acid 12VDC battery that is housed in an aluminum enclosure which, when the available voltage drops, is recharged by the included 85 Watt solar panel.



FEATURES

- **Dual Air Compressors** provide a redundant backup should one fail
- **Dual Tanks** provide double the capacity and ensure longer operation when needed
- **Solar Power** provides an off the grid, virtually unlimited power source for recharging the units' battery
- **Selector Switch** allows the operator to decide which compressor to use or power both off
- **Automated Control** prevents the need for user interaction after installation with normal use
- **LCD** screen shows the current tank pressure and battery voltage and tracks running cycles per day and week as well as total running time
- **Product Warranty** guarantees that all A.C.T. manufactured products are free from defects under normal operating conditions for 1 year from the purchase date

WHAT'S INCLUDED

- Dual Air Compressor Unit housed in an 18" x 16" Polycarbonate enclosure
- Dual Air Receiver Tank assembly
- Aluminum Battery Enclosure containing a 100Ah Sealed Lead Acid 12VDC battery
- 85 Watt Solar Panel assembly with mounting bracket and power leads
- AWG 14 - Battery Power leads
- AWG 4 - Battery Power leads



COMPRESSOR SPECIFICATIONS

Tank Max Pressure allowed by PLC	125 PSI	Max. Working Pressure	200 PSI
Battery Volt. Min. (Shutdown voltage)	11.5 Volts	Max. Duty Cycle @72° F & 100PSI	100%
Compressor Restart Volt. (Operating voltage)	12.5 Volts	Ambient Min/Max Temperature	-40° F / 158° F
Solar Panel Shunt Voltage	14.4 Volts	Pressure Transducer Range	0-250 PSI
Typical Current Consumption (@ 100 PSI)	20 Amps	Tank Safety Valve Release Pressure	150 PSI

AIR TANK SPECIFICATIONS

Max. Pressure allowed by PLC	125 PSI
Maximum Pressure	150 PSI
Maximum Capacity (total)	20 Gal.
Safety Valve Release Point	150psi

SOLAR PANEL SPECIFICATIONS

Nominal Voltage	12 Volts
Max. Power (Pmax)	87.31 Watts
Open Circuit Voltage (Voc)	22.50 Volts
Short Circuit Current (Isc)	4.94 Amps
Rated Voltage (Vmp)	18.76 Volts
Rated Current (Imp)	4.65 Amps
Nominal Cell Temp. (NOCT)	116.6° F +/- 35.6° F
Max. Temp.	185° F
Output Tolerance	+/- 3%
Max. System Voltage	600 Volts UL / 1000 Volts IEC
Operating Temperature	-40° F to 185° F
Minimum Bypass Diode	10 Amps
Max. Series Fuse Rating	10 Amps

DIMENSIONS

All measurements are the approximate completed assembly dimensions when installed.

Dual Air Compressor & Controller Unit		100Ah Battery Enclosure	
Length	19 in.	Length	18 in.
Width	20 in.	Width	21 in.
Height	13 in.	Height	13 in.
Weight	55 lbs.	Weight (w/batt)	81 lbs.
Dual Air Receiver Tanks Assembly		85 Watt Solar Panel Assembly	
Length	28 in.	Length	45 in.
Width	26 in.	Width	28 in.
Height	17 in.	Height	10 in.
Weight	64 lbs.	Weight	34 lbs.

BATTERY SPECIFICATIONS

See Additional Pages

