

Complete Wiring Instructions for LTV2300500 | LT2500500 | L2500500 Lubricated Compressor

LT *Advance*
Series



LT *Plus*
Series



L *Plus*
Series



Section 1 – Introduction / Warnings

Section 2 – Wiring for Single Phase

Section 3 – Wiring for Three Phase

Introduction

General Air Products, Inc. has been an industry leader in quality products and customer service since its creation in 1936. Our persistent effort in meeting the needs of our customers assures that we will continue to lead in these areas. In keeping with these ideas we bring you this comprehensive wiring manual.

Inside you will find pictures and detailed instructions on how to properly wire your Lubricated Tank Mounted Air Compressor.

If you have any questions or problems during the installation process please call us toll free at **1-800-345-8207**.

Warnings

- All electrical work must be completed by qualified electrician personnel, familiar with local and national codes.
- Motors are Factory wired. Connections for low or high voltage must be set by the installing personnel.
- All units are controlled by the pressure switch. Ensure that the incoming power supply is wired to the pressure switch.
- Magnetic Starters are recommended for all units and are required by electrical code for all Three (3) phase units.
- To ensure proper voltage to the compressor, a voltage reading **MUST** be taken while the compressor is running. We also recommend taking a voltage reading while the compressor is re-starting under load to verify the electrical service capacity.
- The current (amps) drawn by the compressor should be checked in conjunction with above. Starting and re-starting current loads will be higher initially than full load current. Our recommended wire sizes take this into account.
- Adjusting the pressure switch voids warranty – **CONSULT FACTORY**. Adjusting the pressure switch to a higher pressure could overload the motor.
- Beware – Capacitors hold **HIGH** Voltage. Do not handle.
- Motors are NEMA rated, which means they will operate at +/- 10% of name plate rating. The 10 percent applies to low and high voltage, but not 208v. This means motors wired for 208v/230v will operate between 207v and 253v. 200v motors available – consult factory.

**If you experience ANY electrical problems,
Contact the factory IMMEDIATELY by calling 1-800-345-8207**

Section 2

Wiring Instructions for LTV2300500 – L(T)2500500

Model Number: LTV2300500A – L(T)2500500A

High Voltage 208–230v

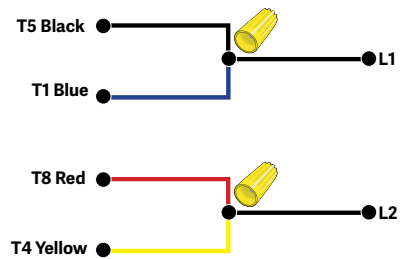
NOTE: Our Model LTV2300500 and the LT2500500 are not available in low voltage single phase. The LTV2300500 and LT2500500 are only available in 208-230v.

If you require a model of this size in 115v, Single Phase, please contact our customer service representatives for information.

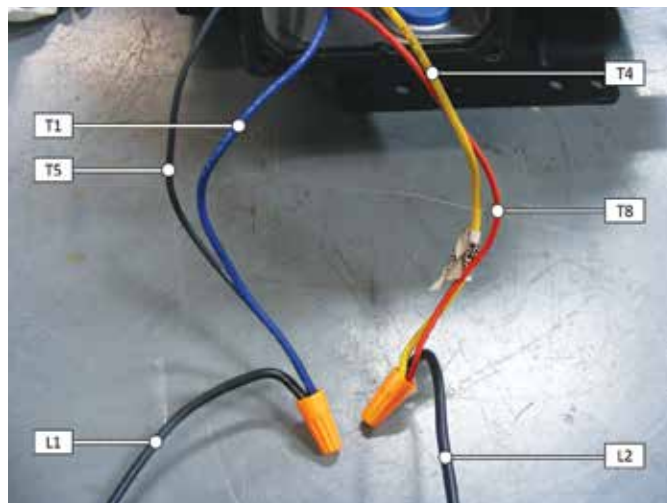
Model LTV2300500 – Single Phase 208–230v

Model L(T)2500500 – Single Phase 208–230v

CHECK MOTOR ROTATION IS CLOCKWISE WHEN VIEWED FROM THE BACK OF MOTOR



T1 Blue T4 Yellow T5 Black T8 Red



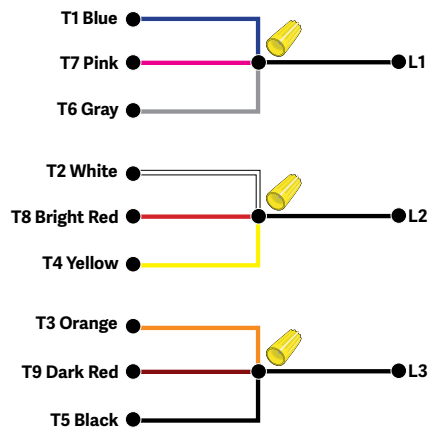
Section 3

Wiring Instructions for L(T)2500500 Model Number: L(T)2500500B

Low Voltage 208–230v

Model 2500500 – Three Phase 208–230v

CHECK MOTOR ROTATION IS CLOCKWISE WHEN VIEWED FROM THE BACK OF MOTOR
TO REVERSE ROTATION,
INTERCHANGE ANY TWO LEADS

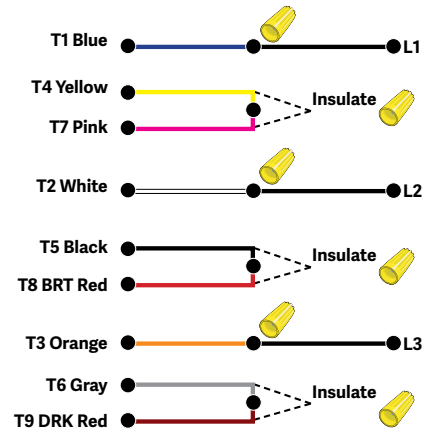


T1 Blue	T2 White	T3 Orange	T4 Yellow
T5 Black	T6 Gray	T7 Pink	T8 BRT Red
T9 DRK Red			

High Voltage 460v

Model 2500500 – Three Phase 460v

CHECK MOTOR ROTATION IS CLOCKWISE WHEN VIEWED FROM THE BACK OF MOTOR
TO REVERSE ROTATION,
INTERCHANGE ANY TWO LEADS



T1 Blue	T2 White	T3 Orange	T4 Yellow
T5 Black	T6 Gray	T7 Pink	T8 BRT Red
T9 DRK Red			

