



## Precautions for Design, Installation and Maintenance

### 34) External Connection Diagrams for Standard Motorized Pulleys

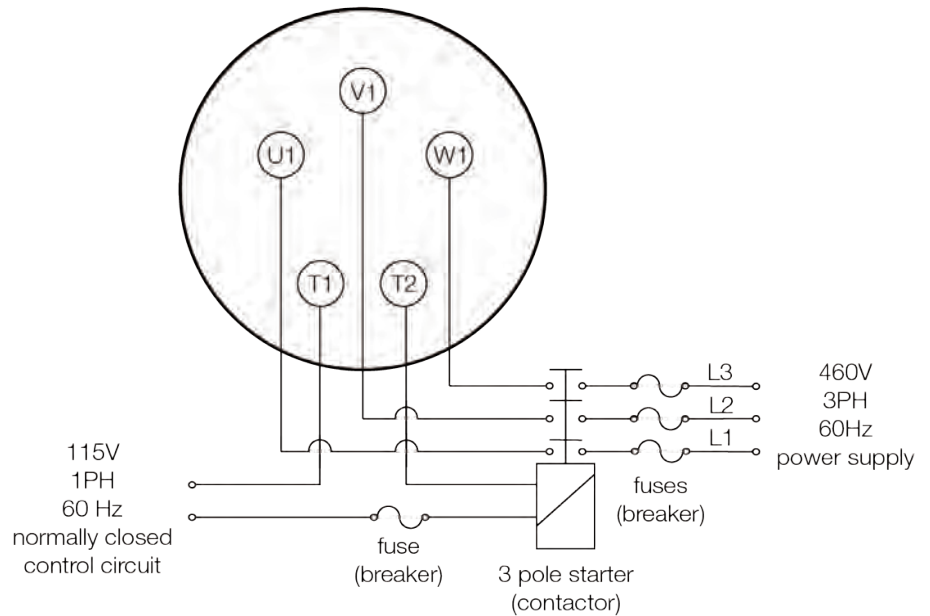
#### Standard Terminal Box 0.5 HP - 330 HP

Diagrams are valid for Motorized Pulleys manufactured after January 2011. For units built prior to this date contact Rulmeca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

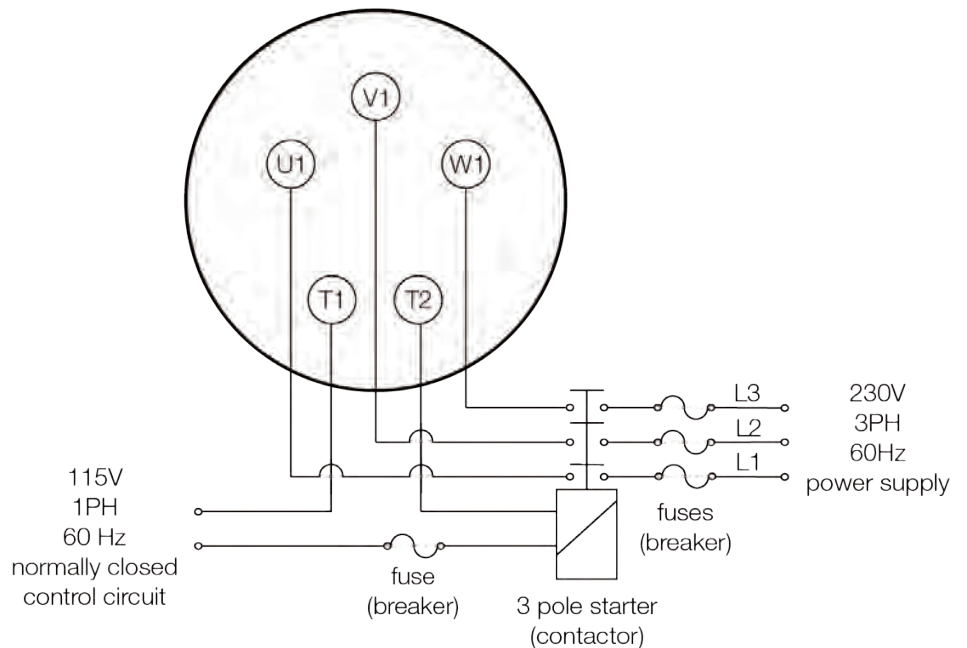
T1 & T2= Internal bi-metallic thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

USA standard 460V power supply



USA standard 230V power supply





## Precautions for Design, Installation and Maintenance

### 34) External Connection Diagrams for Standard Motorized Pulleys with Internal Brake

#### Standard Terminal Box 0.5 HP - 20 HP

Diagrams are valid for Motorized Pulleys manufactured after January 2011. For units built prior to this date contact Rulmeca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

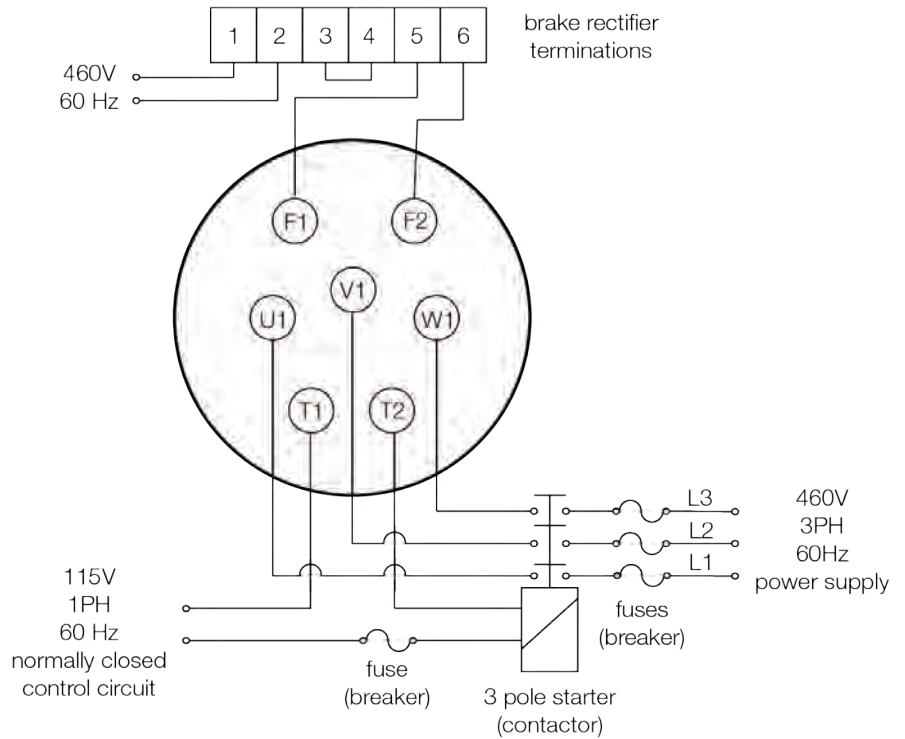
T1 & T2= Internal bi-metallic thermal protection switch which MUST BE CONNECTED to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

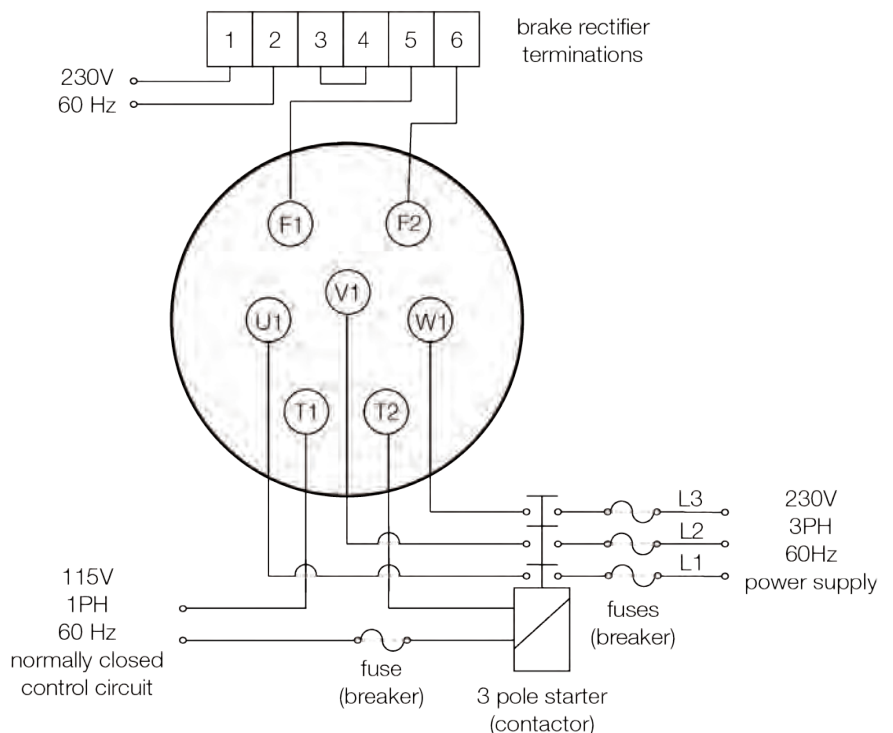
Brake rectifier is shown with jumper across terminals 3 and 4. This enables AC power supply to rectifier to stop and start brake. Brake responsiveness may be improved by connecting an external switch to terminals 3 and 4.

Internal electromagnetic brake is available in models 220M - 500M.

USA standard 460V power supply  
(with 207VDC brake)



USA standard 230V power supply  
(with 104VDC brake)





## Precautions for Design, Installation and Maintenance

### 34) Connection Diagrams for Motorized Pulleys

#### Model 138LS - 400L in 3 phase Power Cord 0.13 HP - 5.5 HP

#### Model 138LS in 1 phase Power Cord 0.13 HP - 0.75 HP

Power cord wires are supplied with black insulation and white numbers. Wire numbers are indicated on the diagram.

T1 & T2= Internal bi-metallic thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

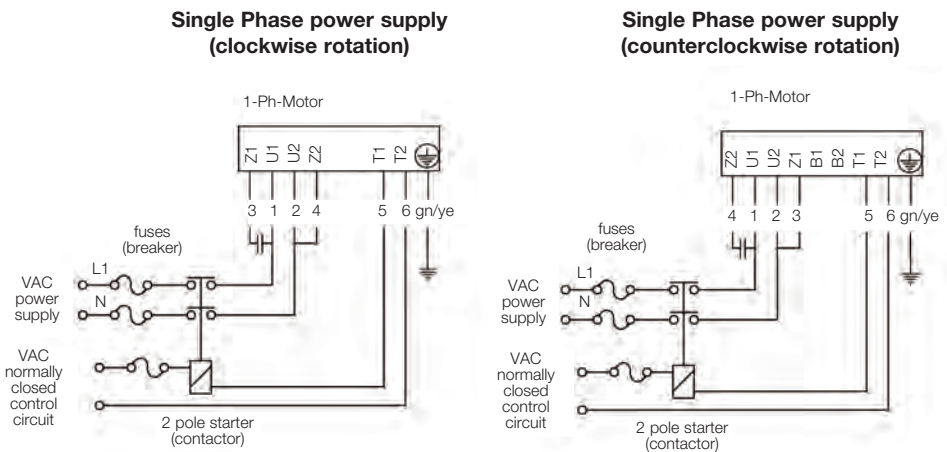
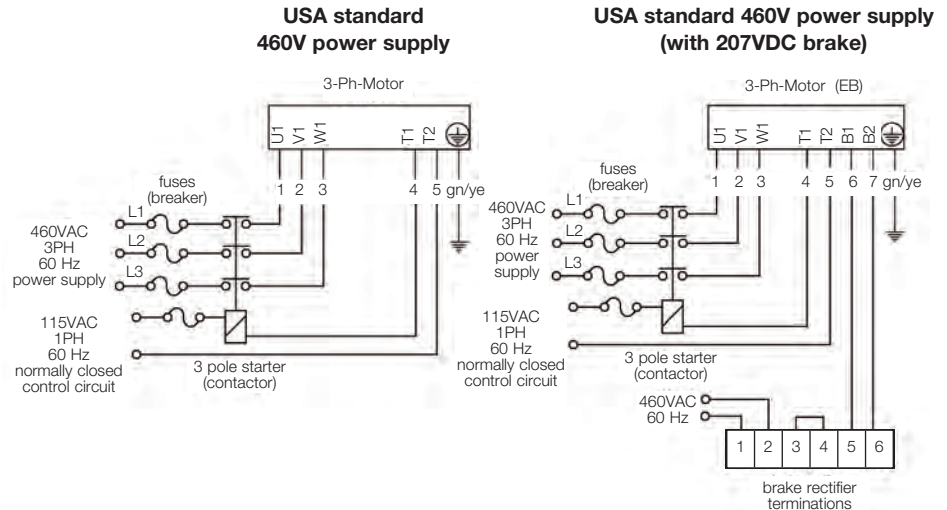
EB = electromagnetic brake

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

Brake rectifier is shown with jumper across terminals 3 and 4. This enables AC power supply to rectifier to stop and start brake. Brake responsiveness may be improved by connecting an external switch to terminals 3 and 4.

For two speed motor details contact Rulmeca.

Internal electromagnetic brake is available in models 138LS - 500M.





# Precautions for Design, Installation and Maintenance

## 34) Connection Diagrams for Motorized Pulleys

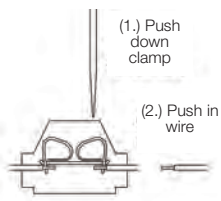
### Model 138LS in 3 phase Compact Terminal Box and WAGO-Clamp 0.13 HP - 1.0 HP

T1 & T2= Internal bi-metallic thermal protection switch which MUST BE CONNECTED to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

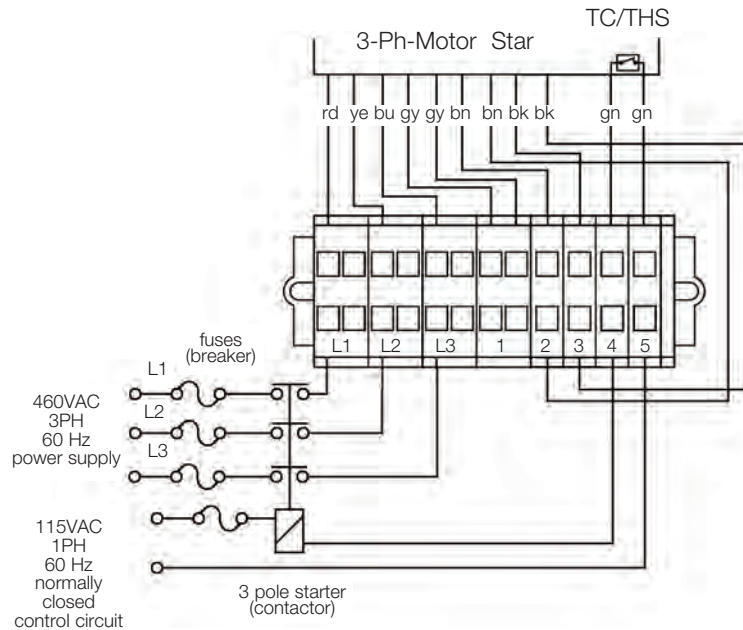
For two speed motor details contact Rulmeca.

- RD = Red
- YE = Yellow
- BK = Black
- GY = Grey
- BU = Blue
- GN = Green
- BN = Brown
- T1 & T2= Thermal Protector

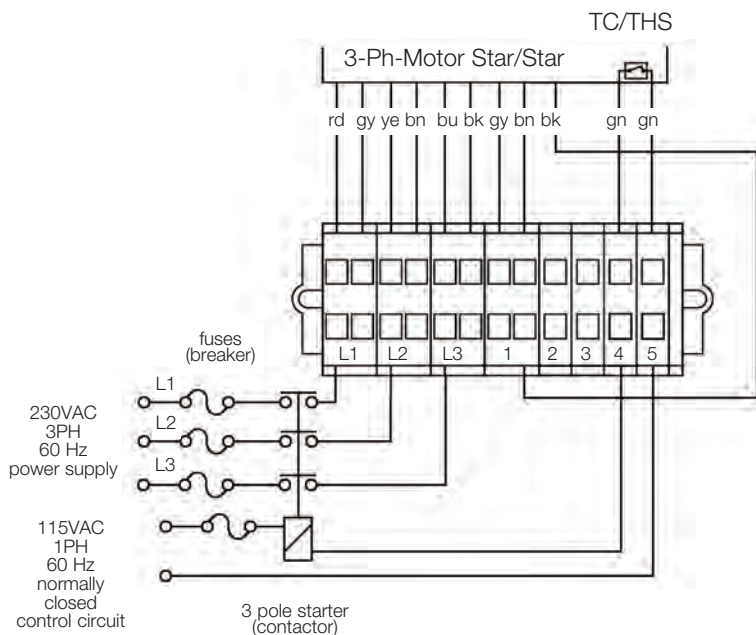


Assembly instructions

USA standard 460V power supply



USA standard 230V power supply





# Precautions for Design, Installation and Maintenance

## 34) Connection Diagrams for Motorized Pulleys

### Model 138LS in 1 phase Compact Terminal Box and WAGO-Clamp 0.13 HP - 0.75 HP

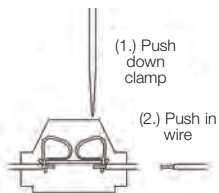
Diagrams are valid for Motorized Pulleys manufactured after January 2011. For units built prior to this date contact Rulmecca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

T1 & T2= Internal bi-metallic thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

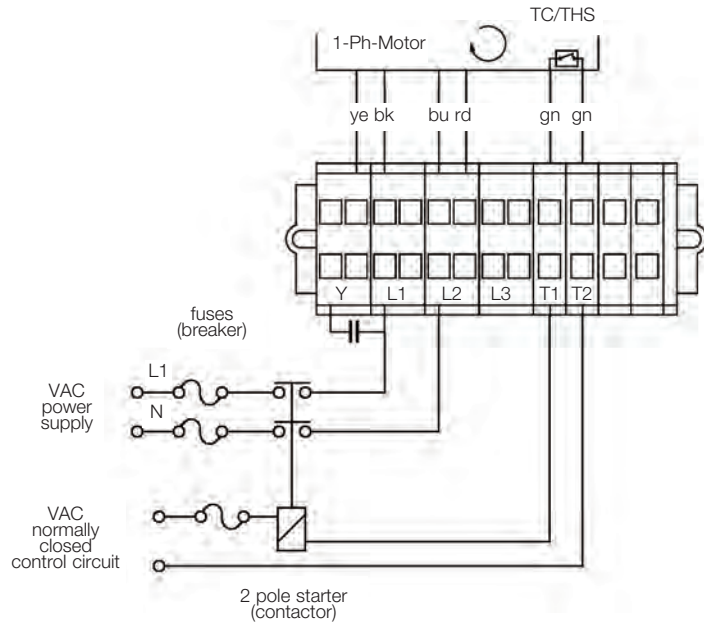
For two speed motor details contact Rulmecca.

- RD = Red
- YE = Yellow
- BK = Black
- GY = Grey
- BU = Blue
- GN = Green
- BN = Brown
- T1 & T2= Thermal Protector

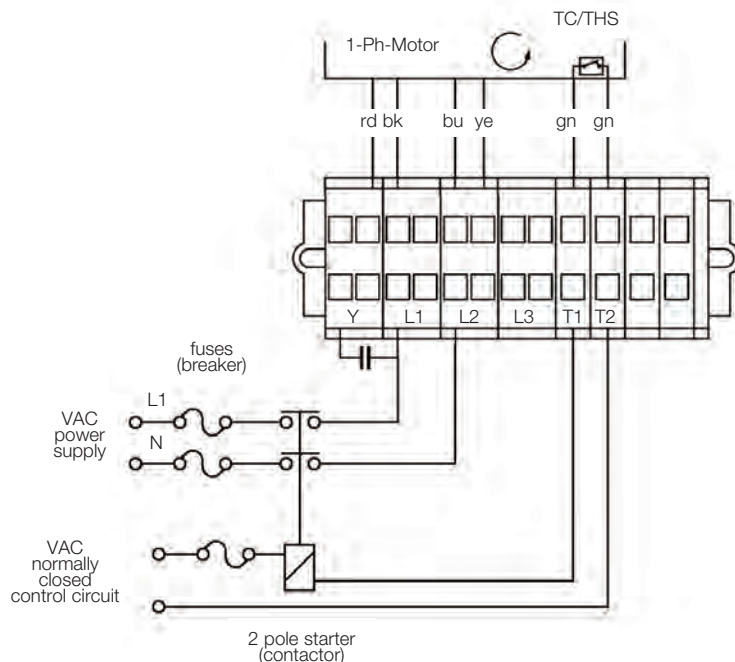


Assembly instructions

Single Phase power supply (clockwise rotation)



Single Phase power supply (counterclockwise rotation)





## Precautions for Design, Installation and Maintenance

### 34) External Connection Diagrams for Standard Motorized Pulleys with and without Internal Brake

#### Standard Terminal Box w/o brake 0.5 HP - 330 HP

#### Standard Terminal Box with brake 0.5 HP - 20 HP

Diagrams are valid for Motorized Pulleys manufactured after January 2011. For units built prior to this date contact Rulmeca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

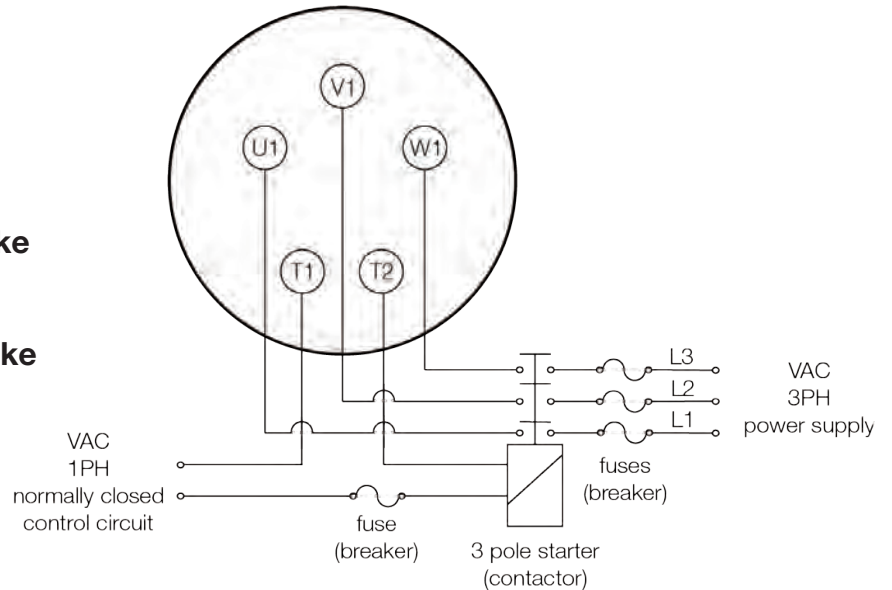
T1 & T2= Internal bi-metallic thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

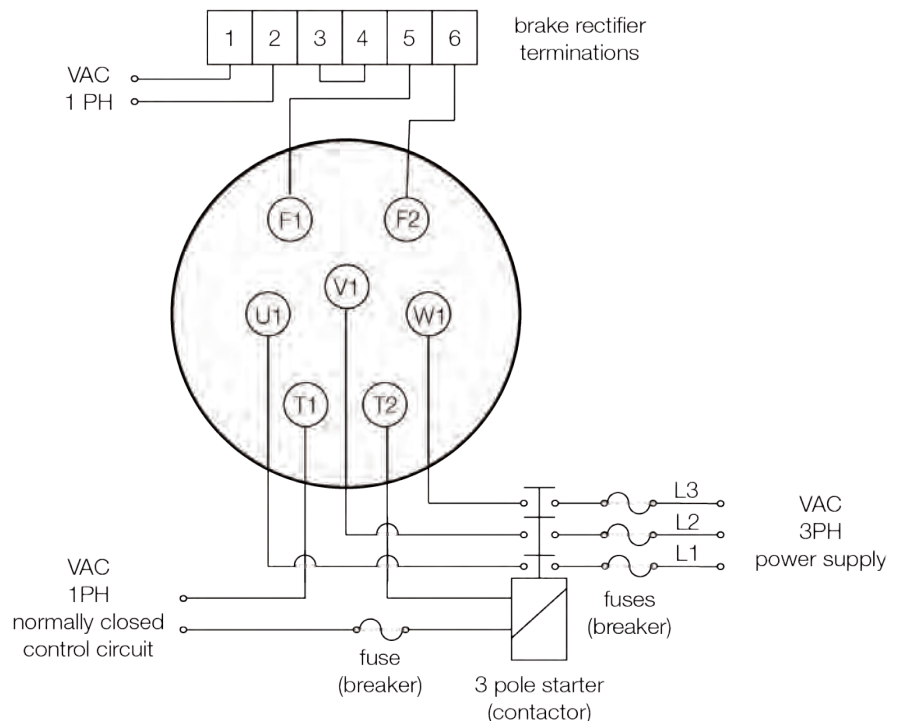
Brake rectifier is shown with jumper across terminals 3 and 4. This enables AC power supply to rectifier to stop and start brake. Brake responsiveness may be improved by connecting an external switch to terminals 3 and 4.

Internal electromagnetic brake is available in models 220M - 500M.

Non-USA power supply without brake



Non-USA power supply with brake





## Precautions for Design, Installation and Maintenance

### 34) External Connection Diagram for Standard Motorized Pulleys 500H - 1000HD with Internal Anti-condensation Heating Element

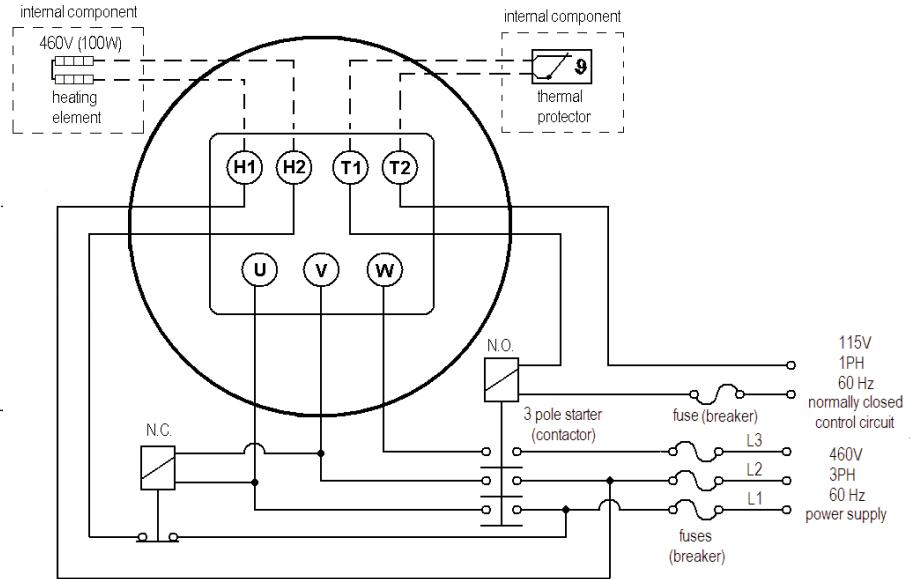
Diagrams are valid for Motorized Pulleys manufactured after January 2004. For units built prior to this date contact Rulmeca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

Terminals H1 & H2 for the anti-condensation heating element are live during Motorized Pulley stoppage.

Terminals T1 & T2 for thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

#### USA standard 460V power supply



Anti-condensation heating element must be connected in such a way that it is turned off during motor operation.

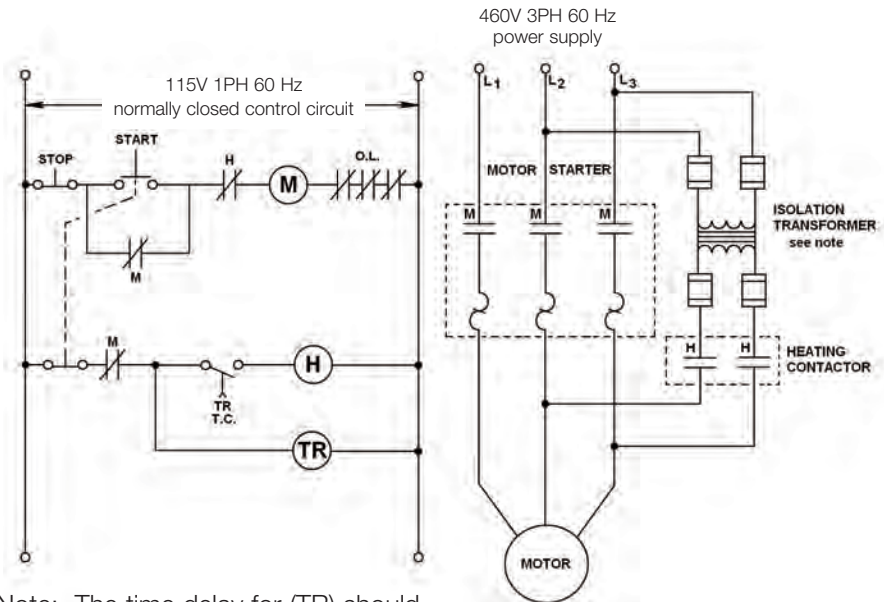
### 34) External Connection Diagram for Standard Motorized Pulleys 500H - 1000HD with Trickle Voltage Heating

Diagrams are valid for Motorized Pulleys manufactured after January 2004. For units built prior to this date contact Rulmeca or refer to Repair and Maintenance Guide available at [www.rulmecacorp.com](http://www.rulmecacorp.com).

T1 & T2= Internal bi-metallic thermal protection switch which **MUST BE CONNECTED** to external normally closed control circuit.

See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

#### USA standard 460V power supply



Note: The time delay for (TR) should be between 10 and 180 seconds.