

## 34) Connection Diagrams for Motorized Pulleys

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

### Model 138E 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.

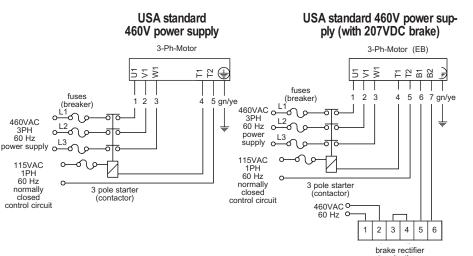
EB = electromagnetic brake

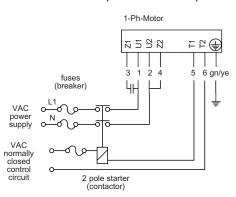
See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

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.

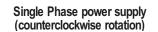
Internal electromagnetic brake is available in models 138E - 500M.



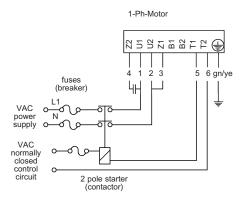


Single Phase power supply

(clockwise rotation)



terminations





### 34) Connection Diagrams for Motorized Pulleys

#### USA standard 460V power supply

TC/THS Model 138E in 3 phase 3-Ph-Motor Star **Compact Terminal Box** and WAGO-Clamp bn bk bk rd ve bu a\ bn qn gn 0.13 HP - 1.0 HP fuses (breaker) 4 L1 L2 L3 1 2 3 T1 & T2 = Internal bi-metallic thermal protection switch which MUST BE L1 460VAC CONNECTED to external normally L2 3PH 60 Hz 0 closed control circuit. power supply L3 See Technical Precautions pages 78 115VAC - 88 for complete electrical design, 1PH 60 Hz installation, and maintenance instrucnormally closed control circuit 3 pole starter (contactor)

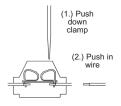
For two speed motor details contact

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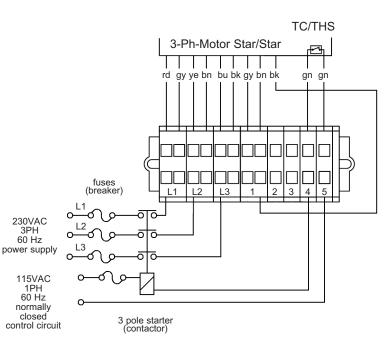
RD	= Red
RD	= Red

tions.

- YF = Yellow
- ΒK = Black
- GY = Grev
- ΒU = Blue
- GN = Green
- ΒN = Brown
- T1 & T2 = Thermal Protector



Assembly instructions



#### USA standard 230V power supply



# 34) Connection Diagrams for Motorized Pulleys

Single Phase power supply (clockwise rotation)

Model 138E 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 Rulmeca or refer to Repair and Maintenance Guide available at www.rulmecacorp.com.

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

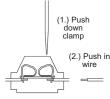
See Technical Precautions pages 78 - 88 for complete electrical design, installation, and maintenance instructions.

For two speed motor details contact Rulmeca.

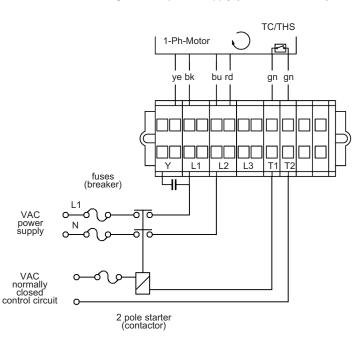
RD	= Red	
YΕ	= Yellow	
BK	= Black	
GY	= Grey	
BU	= Blue	
GN	= Green	

GN = Green BN = Brown

T1 & T2 = Thermal Protector



Assembly instructions



#### Single Phase power supply (counterclockwise rotation)

