



### **4000KG Belt Type Caterpillar**

#### **15.] Main Specification**

- 15.1.) Type: Up and down belt catching type with multi-pneumatic pressing shoes.
- 15.2.) Application: To haul-off of cable from cable making process.
- 15.3.) Haul speed: 2-15MPM with a 4-step gear selection.
- 15.4.) Effective length of tread: 2000mm X 150mm width
- 15.5.) Pulling force: 4000Kg Max. at 4Kg/cm<sup>2</sup>
- 15.6.) Diameters of cable: 110mm Max.
- 15.7.) Synchronization control: CCCS system
- 15.8.) Counter system: Digital type length counter

#### **16.] Machine Composition:**

- 16.1.) 4000Kg caterpillar ..... 1set
- 16.2.) Pneumatic control ..... 1set
- 16.3.) Transmission system..... 1set
- 16.4.) Length counter ..... 1set
- 16.5.) CCCS operation/control system..... 1set
- 16.6.) 15HP AC Driving motor ..... 1set

#### **17.] Detail of machine specifications:**

- 17.1.) Type: Up and down belt catching type with multi-pneumatic pressing shoes.
- 17.2.) Case: Box type with 3.4M length, 1.8M height and 1.0M width, all parts are installed inside the box.
- 17.3.) Pulling force: 4000Kg
- 17.4.) Diameter of cable: 110mm Max.
- 17.5.) Effective length of tread: 2000mm:
- 17.6.) Haul-off speed: 2-15MPM with a 4-step gear selection.
- 17.7.) Belt: Double side rubber belt, 150mm length X 20mm width X 20mm thickness.
- 17.8.) Guide roller:
  - 17.8.1.) Belt guide roller: there are a lot of guide roller on both side of belt to guide the belt.
  - 17.8.2.) Cable guide roller: A 4 side guide roller stand to be installed on the inlet and outlet of the caterpillar.
- 17.9.) Pressing force:
  - 17.9.1.) Up and down: Down by 8 sets of pressing shoes each side.
  - 17.9.2.) Pressing shoe: 5 rollers on each shoe pressing the hauling belt to catch the cable.
- 17.10.) Operation panel:
  - 17.10.1.) To be installed on the front upper side of machine, included with air pressure gauge, air selectors and on/off switch.



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- 17.10.2.) Up and down pressing pressure are adjusted by air regulators.
- 17.10.3.) A side air cylinder push the idle wheels to adjust belt tension.
- 17.11.) Length counter:
  - 17.11.1.) Type: Digital type with counter wheel.
  - 17.11.2.) Counting Unit: 1M/Count.
  - 17.11.3.) Material: Up counter wheel made of aluminium with ceramic coating, under wheel is covered by rubber.
  - 17.11.4.) A four roller guide roller to be fitted at inlet and outlet position of counter for wire centering.
- 17.12.) Transmission: 15HP AC motor + vector type inverter > 4-step gear selector > Worm gear > Caterpillar driving wheels.
- 17.13.) Air capacitor: To keep a constant pressure air source supply for cylinders, an air tank is provided inside the machine.

**18.] Operation direction: Right hand ( from right to left ).**