

## 6000# and 4000# Ceiling-Mounted Type (Horizontal Shaft)

C-6062

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### 1. Manufacturing Standard for Ceiling-Mounted CYCLO DRIVE

#### (1) Oil-Lubricated Type

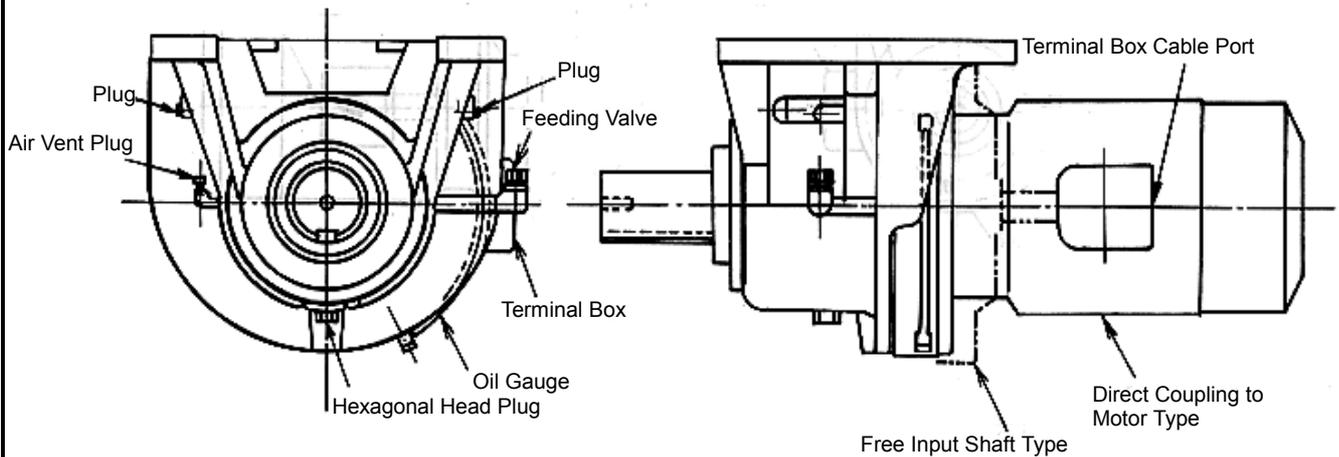


Figure 1

#### 1. Installation Procedure

- 1) Drill holes in the ring gear housing and install oil gauge. (Refer to Figure 1 for location.)
- 2) Install oil filler plug and air vent plug on horizontal casing as shown in Figure 1. Plug all other tapped holes of horizontal casing, particularly the oil drain hole should be plugged using a hexagonal head plug.
- 3) Use plugs with hexagonal socket head screw for plugging tapped holes in the high-speed end shield and the flange bracket of the motor.
- 4) Take following installation steps to arrange oil hole of intermediate flange cover of double reduction type on the bottom side.
  - (a) Install intermediate flange cover so that the "UP" stamp is located as indicated in Figure 2.
- 5) Terminal box installation site and direction of lead wire (for Sumitomo motors)
  - (a) Terminal boxes should be installed as indicated in Figure 1.
  - (b) Cable port of the terminal box must open onto the opposite side of load (Type B). (As in Diagram 1.)
- 6) Consult Sumitomo when using motor made by other manufacturers; whether they are supplied, purchased, or else.

#### 2. Available Ceiling-Mounted Models (Oil Lubrication)

- 1) Single reduction model: 6130#~6275#, 4130#~4275#



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- 2) Double reduction model: 6160DC # ~6275DA #, 4160DC#~4275DA#

Location of "UP" stamp on  
intermediate flange cover

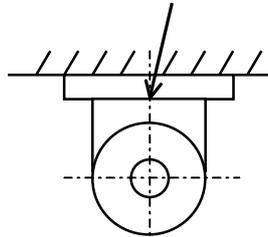


Diagram 2

- (2) Grease-Lubricated Model

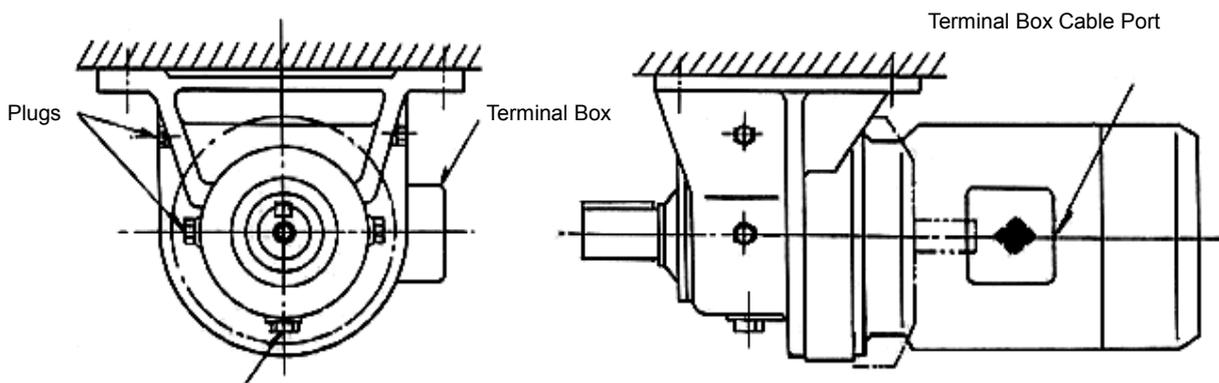


Diagram 3

1. Installation procedure

- 1) For maintenance free types, such as models under single-phase 612# and under 4175#, use plugs with hexagonal socket head screw for plugging tapped holes in motor flange bracket as in standard horizontal types.
- 2) For the following models, install grease nipple in the tapped hole of the motor flange bracket as standard horizontal types. (If two tapped holes are used, install grease nipple in tapped hole closer to the terminal box.) For free reducer type, install grease nipple into the tapped hole of the high-speed end shield.
  - (a) Double reduction models that use standard grease lubrication systems
  - (b) Single reduction and double reduction models, with oil lubrication as standard, with grease lubrication selected for their specific operating conditions
- 3) Terminal box installation site and direction of lead wire (for Sumitomo motors)
  - (a) Terminal boxes should be installed as shown in Figure 3.



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(b) Cable port terminal box should open onto the side opposite to the load (Type B).  
(Refer to Figure 3.)

- 4) Install a plug on the drain hole of the motor flange bracket.
- 5) If the unit is equipped with an outdoor cover, consult Sumitomo.

\*Consult Sumitomo when using motors made by other manufacturers.

## 2. Grease Lubricated Ceiling Motors Models

- 1) Single reduction models: 6060#~612H#, 4075#~4125# (Maintenance Free Type)
- 2) Double reduction models: 6060DA#~6185DA#, 4075DA#~4185DA#  
(Provided that 6060DA#~6125DB# and 4075DA#~4115DB# are maintenance free.)
- 3) Frame size of oil-lubricated single and double reduction models that can be converted to grease-lubricated models, according to their operating conditions.

