

75001

CHAMBERLAIN®

GRIFCO

INSTALLATION INSTRUCTIONS

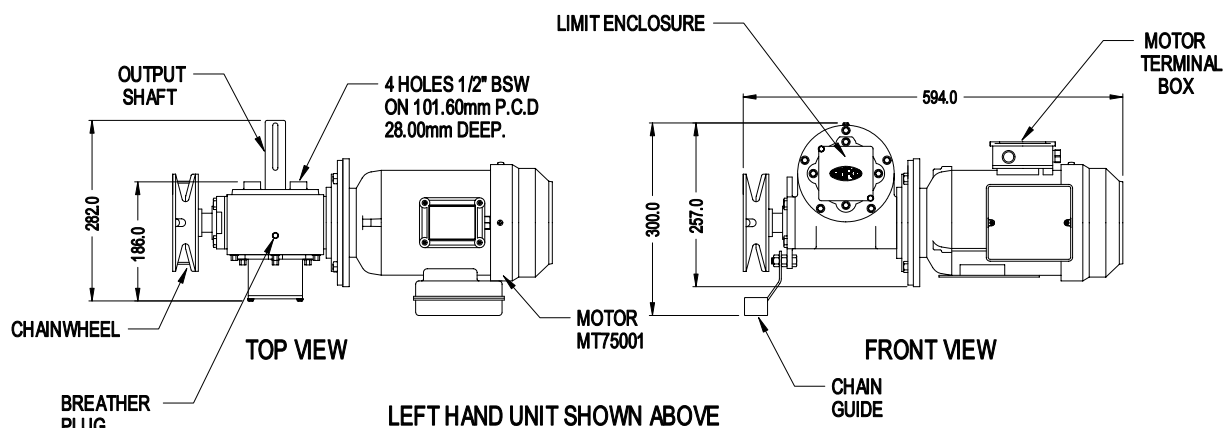
MODEL NUMBER: 75001

(High Cycle)

SUMMARY

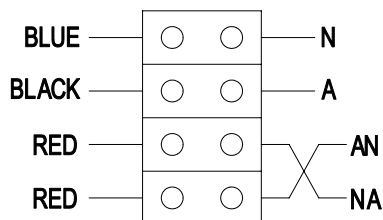
MOTOR TYPE	1-PHASE INDUCTION
MOTOR CAPACITY	1.1kW (1.5hp)
MOTOR POWER SUPPLY	1-PHASE 240V 50Hz
MOTOR CURRENT	6.8A
OUTPUT SHAFT DIAMETER	31.75mm (1 1/4") 8mm key
DUTY	HIGH CYCLE (20cycles/hour)
AVAILABLE CONFIGURATIONS	LEFT AND RIGHT HAND
INVERTABLE	NO
MAXIMUM STANDARD SHUTTER SIZE	50m ² (Guide only, based on spring balancing)
RECOMMENDED SPROCKET RATIO	4:1

[figure 1: 75001 LABELLED DESCRIPTION]



CONNECTION

MOTOR CONNECTIONS



MOTOR REF : CW24110E

REVERSING STARTERS

For standard installations the following are required:

REVERSING STARTER	RC376 (240V 1Ø MOTOR, 240V CONTROL CIRCUIT)
OVERLOAD	LR1E010 (5.5-8.0A 1Ø AMPERAGE OVERLOAD)

NOTE: If NEUTRAL IS NOT AVAILABLE
Then the following must be used:

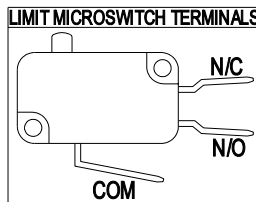
REVERSING STARTER	RC376 (240V 1Ø MOTOR, 240V CONTROL CIRCUIT)
OVERLOAD	LR1E010 (5.5-8.0A 1Ø AMPERAGE OVERLOAD)

FOR REVERSING STARTER CONNECTION DETAILS:
REFER TO THE DIAGRAM INCLUDED WITH THE CONTROL

LIMIT SWITCH CONNECTION AND SETTING

CONNECTION

The limit switches must be connected to the control gear being used via the NORMALLY CLOSED (N/C) and COMMON (COM) of the microswitch as shown below:



The limit switch mechanism is a worm driven friction held adjustable cam system using two micro switches.

LIMIT SETTING PROCEDURE

WARNING: Limits are extremely sensitive, a small cam movement may correspond to a large amount of shutter travel.

-ISOLATE MAINS BEFORE SETTING LIMITS

-AVOID CRAMMING WIRES INTO LIMIT ENCLOSURE AS IT MAY AFFECT CAM MOVEMENT

Follow the steps below: (use supplied adjustment tool)

- Manually position the door in the centre of the opening.
- Position one cam to depress a switch and the other so that it is well clear of the switch.
(Note which switch it is that you have depressed.)

- **For controls with up and down functions:**

~Supply power and activate control in the upward direction.

~If the shutter travels up then the limit switch noted above is the bottom limit.

~If the shutter doesn't move it is the top limit.

- **For single button controls:**

~Supply power and push the button.

~If the shutter moves up, the switch noted above is the bottom limit.

~If it moves down then it is the top limit.

-Isolate power and adjust the limit cams to depress the switches when the shutter reaches its open and closed positions.

-Test the cam positioning and adjust if necessary.

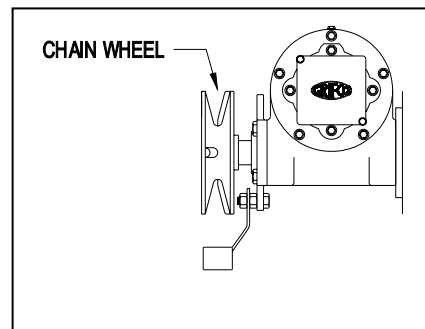
BREATHER PLUG

- After installation the breather plug must be removed. (ref. Page 1)

MANUAL CHAIN OPERATION

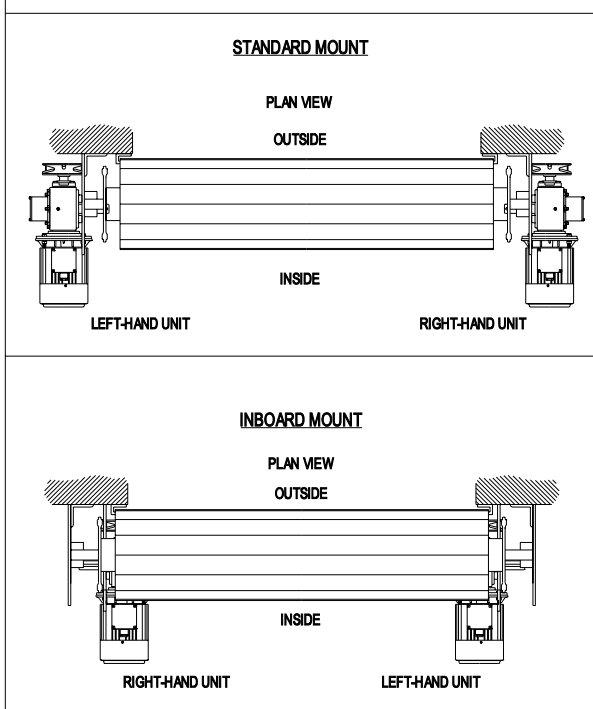
- If a power failure occurs and your door must be operated, follow steps below :

- 1) Isolate potential power source.
- 2) Use ladder to access drive unit.
- 3) Lift manual chain on to the chain wheel.
- 4) Return to the ground and pull chain to operate door.
- 5) Before restoring power, chain **MUST** be removed from the wheel.

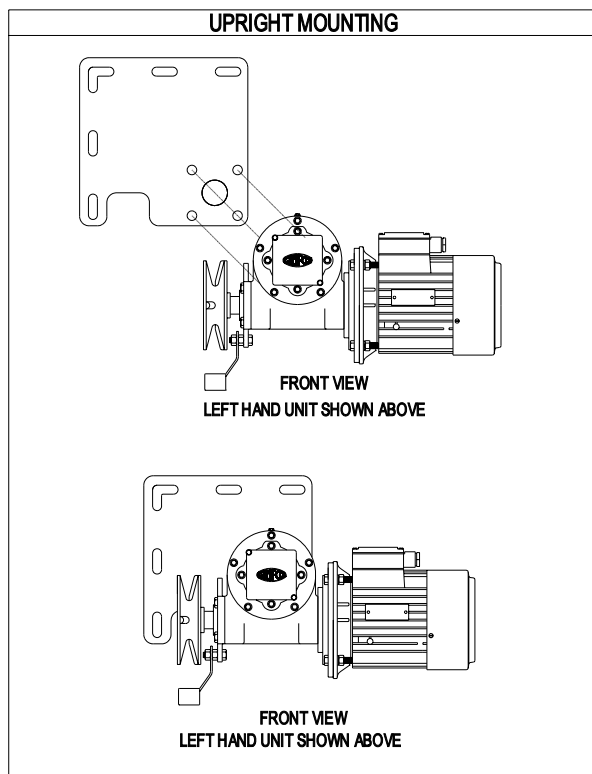


MOUNTING THE UNIT

MOUNTING POSITIONS FOR LEFT-HAND AND RIGHT-HAND OPERATORS FOR STANDARD AND INBOARD MOUNT



Fit the mounting plate (Part No:MP001)
Using ½" BSW HX HD set screws and
spring washers.



MOUNTING ACCESSORIES

MOUNTING PLATE	MP001 (HD75 MOUNTING PLATE)
MOUNTING BOLTS	4 x ½" BSW x 1¼ HX HD SET SCREWS & SPRING WASHERS
MOUNTING ANGLE	MA001 (75x75x8mm ANGLE 300mm long 6x13mm holes)
TRANSMISSION ACCESSORIES 10B(5/8") PITCH	
DRIVE SPROCKET	
12 TOOTH 12B DRIVE SPROCKET	S1212 (31.75mm (1 ¼") bore 8mm key)
PLATEWHEELS (DOOR SPROCKETS)	
45 TOOTH 12B PLATEWHEEL	P1245
DRIVE CHAIN	
12B ROLLER CHAIN	DC12B (Includes 1 conlink)
MANUAL HAULING CHAIN (HANDCHAIN)	
5mm LONG LINK HANDCHAIN	HC5MM (SUPPLIED BY THE METRE)

Details subject to change without notice.



-
- ▶ **Chamberlain Australia Pty. Ltd.**
15 Dell Road (PO BOX 6106)
WEST GOSFORD NSW 2250

- ▶ **Phone:**
(02) 43233877

- ▶ **Fax:**
(02) 43233882

- ▶ **e-mail:**
questions@grifco.com.au

- ▶ **www.grifco.com.au**