

75004

CHAMBERLAIN®

GRIFCO

INSTALLATION INSTRUCTIONS

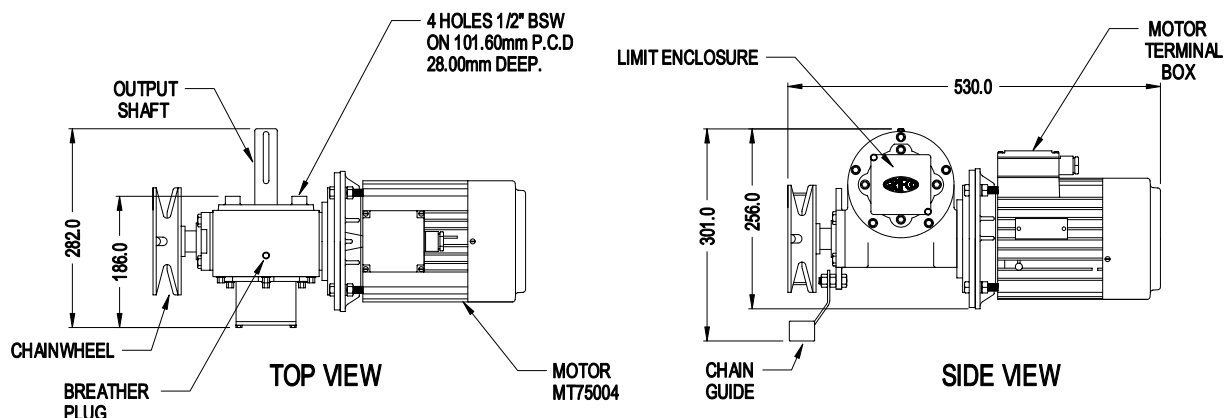
MODEL NUMBER: 75004

(Low Cycle)

SUMMARY

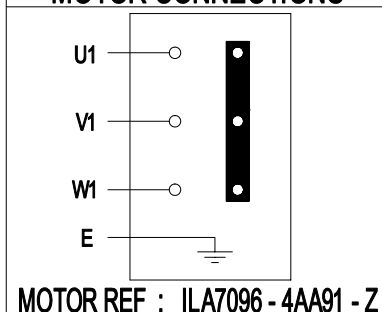
MOTOR TYPE	3-PHASE INDUCTION
MOTOR CAPACITY	1.5kW (2.0hp)
MOTOR POWER SUPPLY	3-PHASE 415V 50Hz
MOTOR CURRENT	3.3A
OUTPUT SHAFT DIAMETER	31.75mm (1 1/4") 8mm key
DUTY	HIGH CYCLE (20 cycles/hour)
AVAILABLE CONFIGURATIONS	LEFT AND RIGHT HAND
INVERTABLE	NO
MAXIMUM STANDARD SHUTTER SIZE	80m ² (Guide only, based on spring balancing)
RECOMMENDED SPROCKET RATIO	4:1

[figure 1: 75004 LABELLED DESCRIPTION]



LEFT HAND UNIT SHOWN ABOVE

CONNECTION

MOTOR CONNECTIONS**REVERSING STARTERS**

For standard installations the following are required:

REVERSING STARTER	RC374 (415V 3Ø MOTOR, 240V CONTROL CIRCUIT)
OVERLOAD	LR3E008 (2.6-3.7A 3Ø AMPERAGE OVERLOAD)

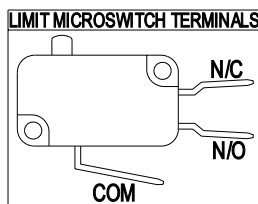
NOTE: If NEUTRAL IS NOT AVAILABLE
then the following must be used:

REVERSING STARTER	RC378 (415V 3Ø MOTOR, 415V CONTROL CIRCUIT)
OVERLOAD	LR3E008 (2.6-3.7A 3Ø 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.

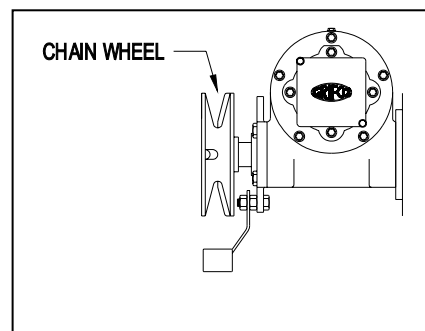
BREATHER PLUG

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

MANUAL CHAIN OPERATION

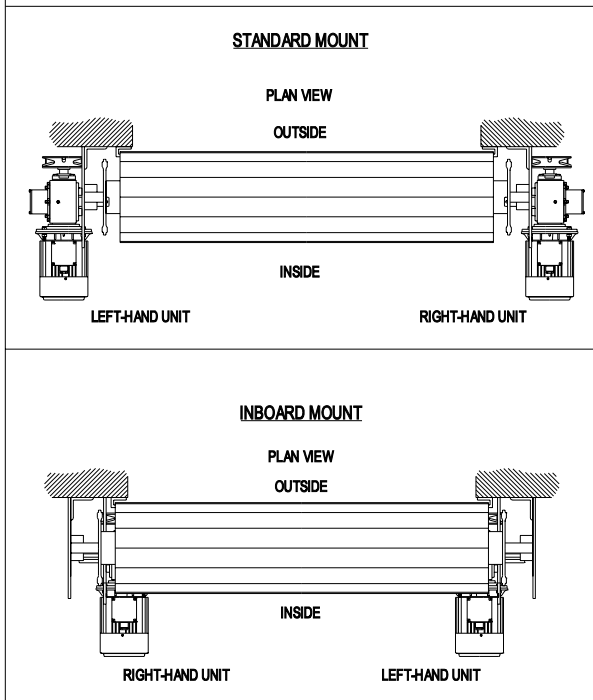
- If a power failure occurs and your door must be operated, follow steps below :

- 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.

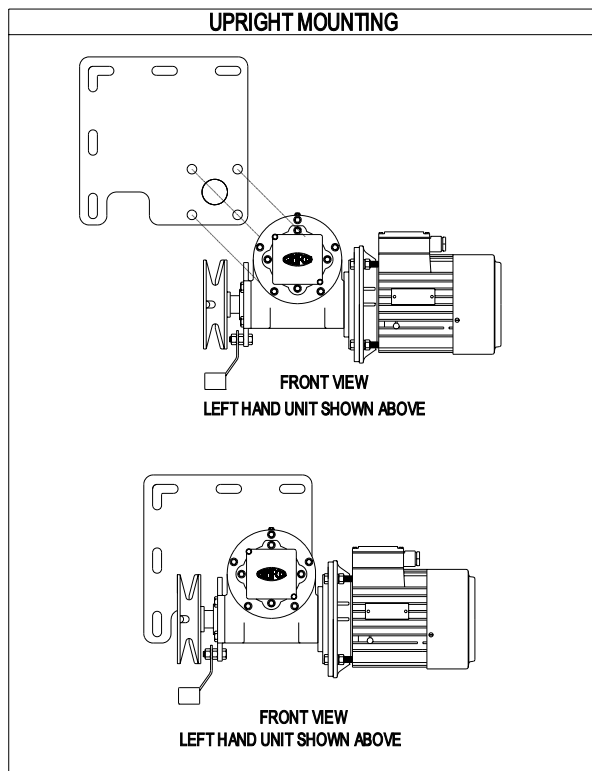


MOUNTING THE UNIT

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.



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