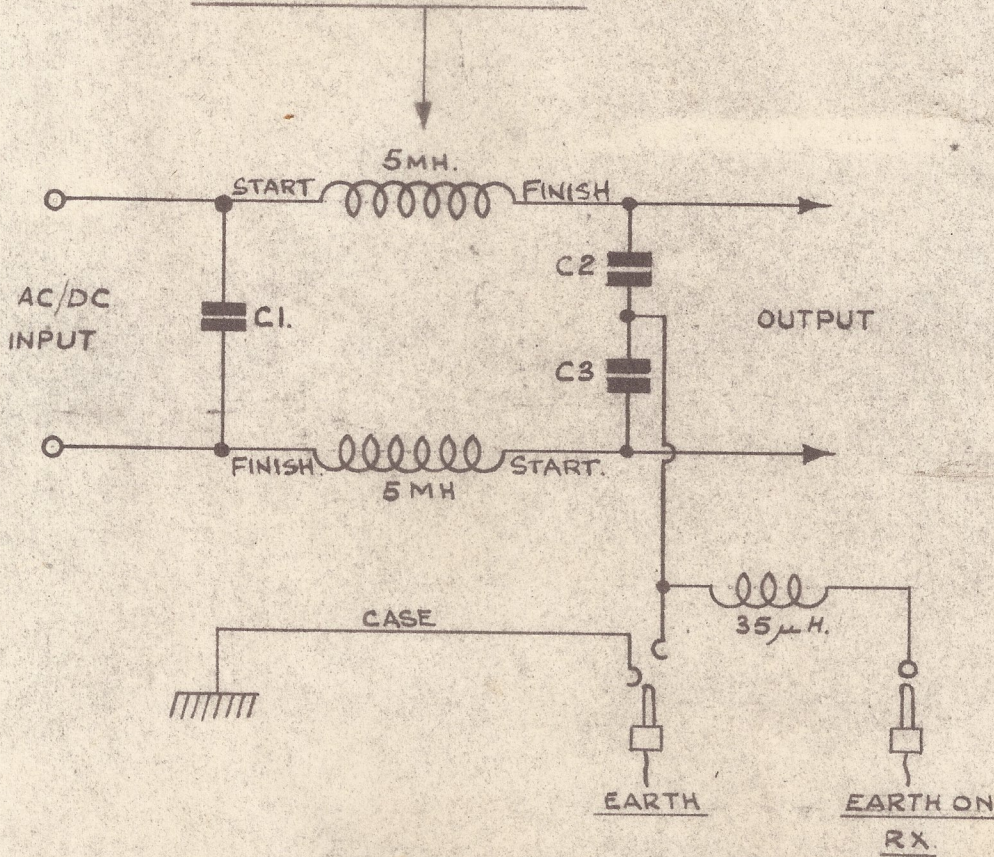


# REVISIONS.

CONNECT 5mH CHOKES  
IN PHASE OPPOSITION.



FILTER UNIT.

S.732.

STRATTON & CO. LTD.  
BIRMINGHAM  
ENGLAND

DRAWING No. B.P.692.

DRAWN *EH.*

TRACED

CHECKED

APPROVED

DATE *8-6-48.*

MATERIAL.

SUPPLIER.

OUR ORDER.

FINISH

TOLERANCES

FRACTIONAL ±

OTHERWISE AS STATED

SPECIFICATION NO. S.732.

FILTER UNIT.

Diecast box type S.650 is used for this mains filter unit which is primarily intended for use with the Marine receiver type S.670.

The filter circuit, which is of the condenser input type, utilizes three 600 V working. .05mfd. tubular paper condensers with  $\sqrt{5}$  mH chokes for mains filtering, and one R.F. choke in the inter-unit earth lead.

For the earth sockets, two Clix type wander plugs are supplied. A "Flexo" moulded socket with short twin cable is permanently fitted at the output end of the unit for connection to a receiver, whilst at the input end, a sunken type two pin plug is fitted for mains connection. The mains supply cable on the "670" receiver is removed and plugged into the latter.

If the unit only is required than a "Flexo" moulded socket with 6ft of twin flex is supplied for mains connection to the unit.

Inorder to ensure that the chokes are safeguarded in the event of a breakdown of either of the output condensers, two pieces of 38 SWG. enam. copper wire are used to complete the wiring between these condensers.

DIMENSIONS:-4.11/16" x 3.11/16" x 2.3/16".

WEIGHT:- 1 $\frac{3}{4}$  lbs.



**Reference**

**QUESTION 1** A mechanism is shown in the figure. The links are of equal length 100.

**QUESTION 2** A mechanism is shown in the figure. The links are of equal length 100.

**QUESTION 3** A mechanism is shown in the figure. The links are of equal length 100.

Link	Length	Mass	Center of Mass
1	100	10	50
2	100	10	50
3	100	10	50
4	100	10	50

**QUESTION 4** A mechanism is shown in the figure.

Find the angular velocity of the link AB.

At the instant shown, the link AB is horizontal.

At this instant, the angular velocity of the link AB is  $\omega$ .

Find the angular velocity of the link CD.

**QUESTION 5** A mechanism is shown in the figure.

At the instant shown, the link AB is horizontal.

At this instant, the angular velocity of the link AB is  $\omega$ .

Find the angular velocity of the link CD.

**QUESTION 6** A mechanism is shown in the figure.



At the instant shown, the link AB is horizontal.

At this instant, the angular velocity of the link AB is  $\omega$ .

**Experiment**

**NAME** \_\_\_\_\_  
**DATE** \_\_\_\_\_



**AIM** To determine the speed of a three phase motor.

**THEORY** A three phase motor is a type of AC motor.

**APPARATUS** Three phase motor, ammeter, voltmeter, etc.

**PROCEDURE** 1. Connect the three phase motor to the three phase supply.  
 2. Measure the speed of the motor.  
 3. Record the speed of the motor.

**RESULT** The speed of the motor is \_\_\_\_\_ rpm.

**CONCLUSION** \_\_\_\_\_

Sl. No.	Speed (rpm)
1	_____
2	_____
3	_____
4	_____
5	_____

**Signature** \_\_\_\_\_

**DATE** \_\_\_\_\_

**Checked by** \_\_\_\_\_

**DATE** \_\_\_\_\_

**APPRAISAL**

_____	_____
_____	_____
_____	_____

**REMARKS**

\_\_\_\_\_

**MARKS**

\_\_\_\_\_