

**RELEASE FOR  
TRANSFERRED  
PRODUCTION**

**IN BRIVE OF TYPE :**

**M 17-140 W**

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.187

3-1

76-11-23

ONDERWERP : Release for transferred production in Brive of monitor tube M17-140W.

The C.R.T. type M17-140W made in Brive is tested in Eindhoven on several parameters according to the F and L specifications to obtain :

"Release for transferred production" in Brive.

Annexed reports give summaries of test - and measuring results of the above mentioned tube type .

As can be seen the results summarised on sheet 2 is type can be given.

"Release for transferred production " in Brive.

K.Wassenaar

Copy to Messrs.: Van Geffen

Honig ✓

Mathijssen

Mulder

Peper

Radstake

Schell

Varekamp

Modderman

Weijer

Menet } Brive

Bru }

ONDERWERP : Release for transferred production M17-140W

Summary of test results.

- 1) See reports RAR-84/76.030 test II results batch 1
- |        |                   |
|--------|-------------------|
| 76.031 | batch 2           |
| 76.032 | batch 3           |
| 76.033 | batch 4           |
| 76.065 | batch 5 + 6       |
| 76.130 | Batches 7 + 8 + 9 |

RAR-84/76.186 L test results.

2) Summary of test II results

Received 726 pieces (9 batches)

Good after repair 673 pieces

Rejected 26 x stray emission

9 x grid emission

12 x cracked near pins

2 x burned in due to flash over

1 x insulations K/F

1 x  $I_{a_0}$  too low

1 x usefull scan too small

1 x focus bad

3) Summary of L test results

The results are satisfactory.

4) Conclusion

Sufficient information has been collected to conclude that there is no objection against release of the monitor tube M17-140W, for production in Brive, however, much care must be taken to emission and stray and grid emission.

G.Geevers

M 17-140

DATE CODE RECEIVED MENSURED FOOD REPAIRS IN REPAIR SHOP AFTER REPAIR

GRINDING TOO HIGH INSULATIONS HIGH TENSION GASKETS SCREENABILITY BRIGHTNESS TOO LOW BLIND CURRENT CHANGE CURR. DR. -Vg, too HIGH/LOW Model, too HIGH. In condon Is too low ANGLE OF TAPER PARTIAL DISTORTION PINPOINT CORN BLANKING TOO HIGH CONNECTION DET. FROM TOO HIGH/LOW FOCUSING TOO HIGH/LOW DIRTY ON DIRECTOR SPONGING USEFUL BEAM TO SMALL STRAY EMISSION BASE ALIGNMENT ALIGN. POINTS. LOCALITY. Is too HIGH/LOW. WRONG TYPE OAR. LOOSE BASE. CHECKED NEAR BASE BURNED IN KINSHO DIRECTOR. FREQ. SHORTS etc. KIP

DATE CODE	RECEIVED	MENSURED	FOOD	REPAIRS	IN REPAIR	SHOP	AFTER REPAIR
140W E69	60.60	x	47.13	78			
140W E69	84.84	x	60.24	72			
140W E69	36.86	x	28.07	79			
140W E69	24.24	x	10.6	75			
140W E69	36.5		5.0	100			
140W E60	55.55		52.4	4	55		
140W	191	-					
140W E6E	144.40		89.1				
140W E6E	96.40		10.2				

DATE CODE	RECEIVED	MENSURED	FOOD	REPAIRS	IN REPAIR	SHOP	AFTER REPAIR
140W E69	60.60	x	47.13	78			
140W E69	84.84	x	60.24	72			
140W E69	36.86	x	28.07	79			
140W E69	24.24	x	10.6	75			
140W E69	36.5		5.0	100			
140W E60	55.55		52.4	4	55		
140W	191	-					
140W E6E	144.40		89.1				
140W E6E	96.40		10.2				

FOR REPAIR  
 AFTER REPAIR

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.030

1-1

76-02-16

ONDERWERP : Release for transferred production M17-140W batch 1

Test II results

Received 60 pieces

date code E5L

Measured 20 pieces

Results :

Good 10 pieces

6 pieces Ia<sub>0</sub> too low

3 pieces cracked near pins

1 piece burned in due to flash over

Batch is rejected.

56 pieces are sent to the factory for repair

After repair

Good 47 pieces

Rejected 5 pieces grid emission

3 pieces stray emission

4 pieces cracked near pins

1 piece burned in due to flash over.

G. Geevers

Copy to Messrs.: Honig  
Menet  
Modderman  
Radstake  
Varekamp  
Verhoeven

Alle rechten voorbehouden. Reproductie of verspreiding van dit document is niet toegestaan zonder schriftelijke toestemming van de uitgever.

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.031

1

76-02-11

ONDERWERP : Release for transferred production M17-140W batch 2

Test II results

Received 84 pieces

Date code E6A

Measured 20 pieces

Results :

Good 8 pieces  
5 pieces Ia<sub>0</sub> too low  
4 pieces stray emission  
3 pieces cracked near foot

81 pieces send to the factory for repair

After repair

Total results

Good 60 pieces  
Rejected 18 pieces stray emission  
5 pieces cracked near foot  
1 piece bad focus.

G. Geevers

Copy to Messrs.: Honig  
Menet  
Radstake  
Varekamp  
Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/76.032

1-1

76-02-16

ONDERWERP : Release for transferred production M17-140W batch 3

Test II results

Received 36 pieces date code E6A

Measured 5 pieces

Results:

Good 4 pieces

1 piece Iao too low

Batch is rejected

36 pieces send to the factory for repair.

After repair

Total results

Good 28 pieces

Rejected 2 pieces grid emission

2 pieces stray emission

3 pieces cracked near pins

1 piece usefull scan too small in the edge  $>5$  mm

Remark: 2x reject on usefull scan for M17-140W ( $<5$  mm)  
these tubes are good for M17-141W.

G.Geevers

Copy to Messrs.: Honig ✓  
Menet  
Modderman  
Radstake  
Varekamp  
Wassenaar  
Verhoeven

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.033

1

76-02-17

ONDERWERP : Release for transferred production M17-140W batch 4

Test II results

Received 24 pieces

date code E6A

Measured 5 pieces

Results:

Good 0 pieces

5 pieces  $I_{a_0}$  too low

Batch is rejected , send to the factory 24 pieces for repair.

After repair

Total results

Good 18 pieces

3 pieces stray emission

1 piece grid emission

1 piece  $I_{a_0}$  too low

1 piece burned in due to flash over.

- Remarks :
- 1) All tubes are packed with the screen down. To prevent damage of the screen by loose particles the screen must be on the upper side.
  - 2) This batch is sent to Eindhoven under type number M17-141W, however, the tubes were not provided with the metal band and therefore this batch should have been sent under type number M17-140W because of the price-difference.
  - 3) The date code has to be put on the uncovered part of the cone (not on the neck)

G. Geevers

Copy to Messrs.: Honig  
Menet  
Modderman  
Radstake  
Varekamp, Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/76.065

-1

76.03-19

ONDERWERP : Release for transferred production M17-140W

Batch 5Test II results

code E6A

Received 36 pieces

Measured 5 pieces

## Results :

Good 5 pieces

Batch is good 36 pieces delivered to the store.

Remark : see note

Batch 6Test II results

code E6B

Received 55 pieces

Measured 20 pieces

## Results :

Good 18 pieces

Rejected 2 pieces Ik too low

Batch is rejected.

Total results

Measured 55 pieces

Good 51 pieces

Rejected 3 pieces Ik too low (after repair good)

1 piece pinprotector forgotten (after repair good)

Delivered to the store 55 pieces

Note : All tubes are packed with the screendown. To prevent damage of the screen by loose particles the screen must be on the upper side.

G.Geevers

Copy to Messrs.: Honig

Radstake

Menet

Varekamp

Modderman

Wassenaar

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.130

1

76-08-05

ONDERWERP : Release for transferred production M17-140W batch 7-8-9

- 1) Received 191 pieces  
No measurement have been made.  
Delivered to the store 191 pieces.
- 1a) Received from the store 1 piece: full of air  
send back to Briva.
- 2) Received 144 pieces  
Measured 20 pieces  
Good 19 pieces  
Rejected 1 piece grid emission  
Batch is good.  
Remark : 1x eccentricity core-haze borderline but good with magnet.
- 3) Received 96 pieces  
Measured 20 pieces  
Good 18 pieces  
Rejected 1 piece short circuit K/f  
1 piece grid emission (repaired)  
Batch is good.  
Remark : 2x eccentricity core-haze borderline, but good with magnet .  
5 tubes used for L-test.

G.Geevers

Copy to Messrs.: Henig ✓  
Menet  
Radstake  
Varekamp  
Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAI-84/76.186

11-1

76-11-23

ONDERWERP : Release for transferred production M17-140W

L test results (for test II results see RAI-84/76.130)

- 1 tube screenquality borderline good
- 1 tube neck dia           borderline good
- 1 tube eccentricity   borderline good
- 1 tube core haze       borderline good (already mentioned in II results).

The other electrical and mechanical measurements are satisfactory.

G. GeEVERS

Copy to Messrs.: Honig ✓  
Menet  
Sichen  
Varekamp  
Wassenaar

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

