

# PHILIPS

Quick-reference guide  
of  
**cathode-ray tubes**

type programma  
screen types  
equivalent type numbers  
component parts

PHILIPS ELECTRON TUBE DIVISION

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TYPE PROGRAMME

Screen diameter or diagonal	Group						
	A		B		C		D
	Types for first equipment		Types in principle for equipment of existing design only (so not recommended for new developments)		Types for replacement only		Obsolete types
		1)		1)		1)	
3 cm(1")	D.3-91	2					
4 cm							D.4-1 D.4-2
7 cm(3")	D.7-11 D.7-31 D.7-32 D.7-78	6 1 1 6	D.7-5 D.7-6 D.7-36	4 4 7	D.7-91	5	
10 cm(4")	D10-11.. D10-12.. E10-12..	6 6 6	D.10-78	6	D.M9-11 D.10-74 D.M10-93 D.10-94	5 1 2 2	D.10-2 D.10-3 D.10-5
13 cm(5")	D13-16.. D13-17.. D13-21.. D13-23.. D13-24.. D13-26.. D13-27..	6 6 6 2 3 6 2	D.13-2 D13-15.. D13-19.. D.13-32 D.13-34	4 6 6 1 4	D13-20.. D.13-78 D.13-97	3 6 2	D.13-10 D13-22..
14 cm	D14-10..	2					
16 cm(7")			D.16-22	4			

1) The numbers in this column correspond to those in the screen type list. For the D13-26.. for example this number is 6. Column 6 in the screen type list denotes that this type is available in the executions D13-26GH, D13-26BE, D13-26GP and D13-26GM, whereas the D.7-32 is only available with G screen (column 1).

SCREEN TYPES

Type 1)	Am. equiv.	Colour	Decay-time	Available screen types							
				1	2	3	4	5	6	7	
GJ (G)	P <sub>1</sub>	yellowish green	medium	■			■				
GH (H)	P <sub>31</sub>	green	medium-short		■						
BE (B)	P <sub>11</sub>	blue	medium-short			■		■	■	■	■
GP (N)	P <sub>2</sub>	bluish green	medium-short							■	■
GM (P)	P <sub>7</sub>	yellowish green	long				■	■	■	■	■

■ = available

1) The letters between brackets are according to the old screen type designations system (e.g. D.7-32).

EQUIVALENT TYPE NUMBERS

Other type	Philips type
1CP31	DH3-91
3AFP7	DP7-91
3AFP11	DB7-91
3AFP31	DH7-91
3ALP1	DG7-5
3ALP7	DP7-5
3ALP11	DB7-5
3AMP1	DG7-32
3AZP7	DPM9-11
3AZP11	DBM9-11
3AZP31	DHM9-11
3BKP2	DN7-78
3BKP7	DP7-78
3BKP11	DB7-78
3BKP31	DH7-78
3BYP2	DN7-11
3BYP7	DP7-11
3BYP11	DB7-11
3BYP31	DH7-11
3WP1	DG7-36
3WP2	DN7-36
3WP7	DP7-36
3WP11	DB7-36
4EP31	DH10-94
4LP31	DHM10-93
5/62CM	DH13-78

Other type	Philips type
5/62PM	DB13-78
5ADP1	DG13-34
5ADP2	DN13-34
5ADP7	DP13-34
5ADP11	DB13-34
5BHP2	DN13-78
5BHP7	DP13-78
5BHP11	DB13-78
5BHP31	DH13-78
5BKP31	DH13-97
5CBP2	(D13-15GP)
5CBP7	(D13-15GM)
5CBP11	(D13-15BE)
5CBP31	(D13-15GH)
5CP1A	(DG13-2)
5CP7A	(DP13-2)
5CP11A	(DB13-2)
5DQP2	DN13-78
5DQP7	DP13-78
5DQP11	DB13-78
5DQP31	DH13-78
5UP1	DG13-32
7AHP1	DG16-22
7AHP7	DP16-22
7AHP11	DB16-22
8A1	DG7-36

Types between brackets are near equivalents.

TYPE NUMBERS OF COMPONENT PARTS

Tube type	Tube holder			mu-metal screening	P.D.A. connector	side contacts
	base	holder	mounting ring			
D.3-91	Eng. loctal	8p	5902/20 40213	- -	55525	- -
D.7-5	Eng. loctal	9p	5906/20 40212	- -	55530	- -
D.7-6	Eng. loctal	9p	5906/20 40212	- -	55530	- -
D.7-11	all glass	14p	40467	-	55532	55563
D.7-31	duodecal	12p	5912/20	-	55530	-
D.7-32	duodecal	12p	5912/20	-	55530	-
D.7-36	duodecal	12p	5912/20	-	55531	-
D.7-78	all glass	14p	40467	-	55532	55563
D.7-91	Eng. loctal	9p	5906/20 40212	- -	55533	- -
D.M9-11	B12F		55562	-	55544	-
D10-11..	all glass	14p	55566	-	-	55560
D10-12..	all glass	14p	55566	-	-	55560
D.10-74	magnal	11p	5911/20	40637	55540	55560
D.10-78	diheptal	12p	5914/20	40638	55541	55560
D.M10-93	B12F		55562	-	55542	55563
D.10-94	B12F		55562	-	55543	55563
D.13-2	diheptal	12p	5914/20	40638	55550	55560
D13-15..	diheptal	12p	5914/20	-	55551	55560
D13-16..	all glass	14p	55566	-	55554	55563
D13-17..	all glass	14p	55566	-	55554	55563
D13-19..	diheptal	12p	5914/20	-	55551	55563
D13-20..	diheptal	12p	5914/20	-	55551	55563
D13-21..	diheptal	12p	5914/20	40638	55551	55563
D13-23..	all glass	14p	55566	-	-	55563
D13-24..	all glass	14p	55566	-	1)	55563
D13-26..	all glass	14p	55566	-	55555	55563
D13-27..	all glass	14p	55566	-	55557	55563
D.13-32	duodecal	12p	5912/20	-	55550	-
D.13-34	diheptal	12p	5914/20	40638	55550	55560
D.13-78	diheptal	12p	5914/20	40638	55551	55563
D.13-97	B12F		55562	-	2)	55562
D.16-22	diheptal	14p	5914/20	40638	55559	-
E10-12..	all glass	14p	55566	-	55545	55563

1) Supplied with tube

2) On request

# PHILIPS

N.V. PHILIPS' GLOEILAMPENFABRIEKEN. EINDHOVEN - NEDERLAND



Tel. Adr.: PHILIPS EINDHOVEN

Hr. Wassenaar.

CIRCULAR LETTER

Van afdeling  
Comm. Dept. Elcoma  
Mo/EvL/773

Onderwerp

Tel. 04900-6 00 00 Toestel ↴

Datum

Re: Type designation Instrument  
Cathode-Ray Tubes.

5040

September 18th, 1967

Dear Sirs,

In accordance with the new Pro-Electron designation code for cathode-ray tubes, where the serial numbers are extended from 2 to 3 figures and the third figure is used for the indication of variants, the following tubes which were recently introduced, have been renumbered as follows:

<u>old type nr.</u>	<u>new type nr.</u>
D7-19..	D7-190..
D10-16..	D10-160..
D13-48..	D13-480..
D10-17..	D10-170..
D14-12..	D14-120..
D13-45../01	D13-450../01
D13-50../01	D13-500../01

The M17-14W which has not been officially introduced yet but is certainly known already to many people, has been renumbered the M17-140W, whereas the M17-16W, as a variant of the M17-140W, will be the M17-141W.

The older type numbers of our cathode-ray tubes will remain unchanged.

Yours faithfully,

p.o. N.V. PHILIPS' GLOEILAMPENFABRIEKEN

A.R. Weyer

E.K. Modderman