

VAN DER
HEEM

transistorized power supply |

advantages

Fully short circuit proof

Fully transistorized

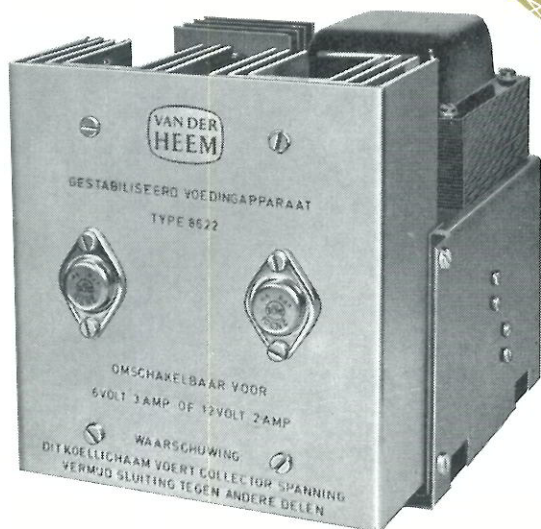
Can be supplied either as a sub-unit or as an encased model

Easily to operate

Small dimensions



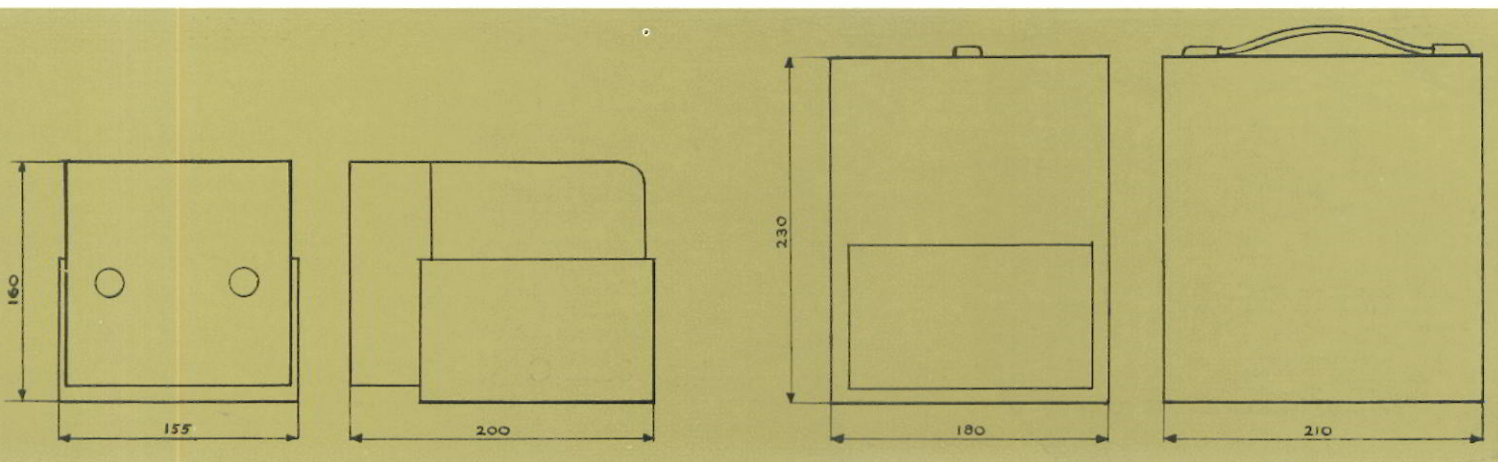
type 8622 K



type 8622 C

Technical data

| | | | | | | | |
|---|---|-----------------------|------------------------------|------------------------|-------------------------|--------------------------|--------------------------|
| DC output voltage | Two ranges, switch controlled, 6 or 12 V nominal. Fine adjustment from -1 V to $+1$ V of nominal voltage. | | | | | | |
| DC current capacity | <table border="0"> <tr> <td>3 amps maximum at 6 V</td> <td rowspan="2">} stabilized output voltage.</td> </tr> <tr> <td>2 amps maximum at 12 V</td> </tr> <tr> <td>Approx. 3,6 amps at 6 V</td> <td rowspan="2">} short-circuit current.</td> </tr> <tr> <td>Approx. 2,4 amps at 12 V</td> </tr> </table> | 3 amps maximum at 6 V | } stabilized output voltage. | 2 amps maximum at 12 V | Approx. 3,6 amps at 6 V | } short-circuit current. | Approx. 2,4 amps at 12 V |
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| 2 amps maximum at 12 V | | | | | | | |
| Approx. 3,6 amps at 6 V | } short-circuit current. | | | | | | |
| Approx. 2,4 amps at 12 V | | | | | | | |
| Stabilization | A variation in mains voltage between 200 and 235 volts will cause a change of the DC output voltage of less than 30 millivolts. | | | | | | |
| Internal resistance | Less than 0,05 ohms (50 milliohms). | | | | | | |
| Internal impedance | Less than 0,1 ohms for AC up to 1 kc/s. | | | | | | |
| Ripple voltage | Less than 2 millivolts r.m.s. | | | | | | |
| Mais voltage | Nominal 220 volts, 47—63 c/s. | | | | | | |
| Power consumption | At 220 V no load 12 watts. full load 50 watts. | | | | | | |
| Transistors and other semiconductors | 2 2N301 1 OC5LP (van der Heem) 1 OC5L (van der Heem) 2 MEZ4,7 (International Rectifier Corp.) | | | | | | |
| Series connection | Possible without any extra adjustment. | | | | | | |
| Parallel connection | Two or more units can be used in parallel connection. | | | | | | |
| Output terminals | Insulated from chassis. Maximum 300 V AC or 500 V DC permissible against chassis. | | | | | | |
| Constant voltage across remote load | Separate terminals of voltage controlling part enable remote sensing. | | | | | | |
| Ambient temperature | 50 °C, provided occasional short circuits last not longer than 10 seconds each. 35 °C at 6 V range or 30 °C at 12 V range when short circuits may occur of up to 20 minutes duration. 30 °C at 6 V range or 25 °C at 12 V range when the short circuited condition lasts for more than 20 minutes. | | | | | | |
| Dimensions type 8622C | 155 mm wide, 160 mm high, 200 mm deep. | | | | | | |
| type 8622K | 180 mm wide, 230 mm high, 210 mm deep. | | | | | | |
| Weight type 8622C | 4,5 kg. | | | | | | |
| type 8622K | 6,5 kg. | | | | | | |



first in quality and design