

VAN DER  
HEEM

# transistorized power supply |

## advantages

Fully short circuit proof

Fully transistorized

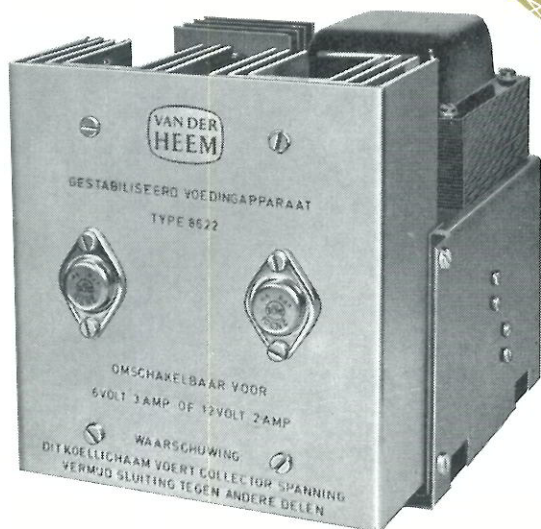
Can be supplied either as a sub-unit or as an encased model

Easily to operate

Small dimensions



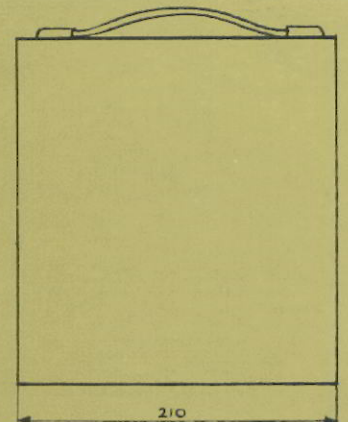
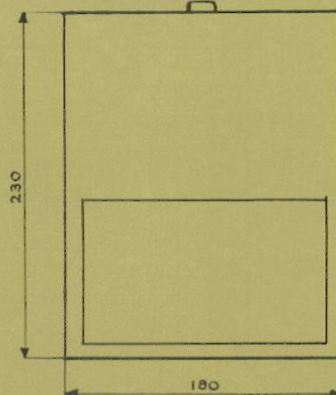
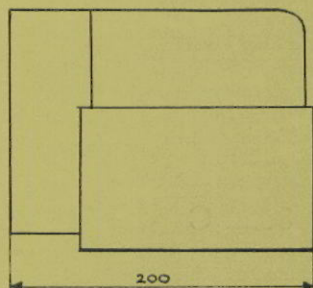
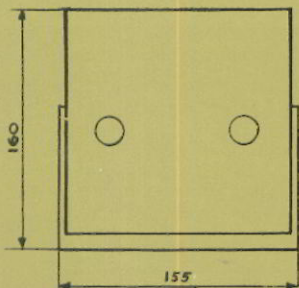
type 8622 K



type 8622 C

## Technical data

<b>DC output voltage</b>	Two ranges, switch controlled, 6 or 12 V nominal. Fine adjustment from $-1$ V to $+1$ V of nominal voltage.						
<b>DC current capacity</b>	<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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<b>Stabilization</b>	A variation in mains voltage between 200 and 235 volts will cause a change of the DC output voltage of less than 30 millivolts.						
<b>Internal resistance</b>	Less than 0,05 ohms (50 milliohms).						
<b>Internal impedance</b>	Less than 0,1 ohms for AC up to 1 kc/s.						
<b>Ripple voltage</b>	Less than 2 millivolts r.m.s.						
<b>Mais voltage</b>	Nominal 220 volts, 47—63 c/s.						
<b>Power consumption</b>	At 220 V no load 12 watts. full load 50 watts.						
<b>Transistors and other semiconductors</b>	<ul style="list-style-type: none"> <li>2 2N301</li> <li>1 OC5LP (van der Heem)</li> <li>1 OC5L (van der Heem)</li> <li>2 MEZ4,7 (International Rectifier Corp.)</li> </ul>						
<b>Series connection</b>	Possible without any extra adjustment.						
<b>Parallel connection</b>	Two or more units can be used in parallel connection.						
<b>Output terminals</b>	Insulated from chassis. Maximum 300 V AC or 500 V DC permissible against chassis.						
<b>Constant voltage across remote load</b>	Separate terminals of voltage controlling part enable remote sensing.						
<b>Ambient temperature</b>	<p>50 °C, provided occasional short circuits last not longer than 10 seconds each.</p> <p>35 °C at 6 V range or 30 °C at 12 V range when short circuits may occur of up to 20 minutes duration.</p> <p>30 °C at 6 V range or 25 °C at 12 V range when the short circuited condition lasts for more than 20 minutes.</p>						
<b>Dimensions type 8622C</b>	155 mm wide, 160 mm high, 200 mm deep.						
<b>type 8622K</b>	180 mm wide, 230 mm high, 210 mm deep.						
<b>Weight type 8622C</b>	4,5 kg.						
<b>type 8622K</b>	6,5 kg.						



first in quality and design