

DF M C 40-60

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Portable crack detection units with carrying wheels;
for Magnetic Particle Testing according to EN ISO 9934

This high current generator is dedicated for AC /HW DC* current supply, designed to contain weight and dimensions for the best operator comfort is equipped with wheels; the intensity of the test current is indicated on a digital display.

TECHNICAL DATA

| Property | Power Generator | Power Generator |
|--|---|---|
| Art. no. | DF M C 40 | DF M C 60 |
| Indicative Dimensions (HxWxL) | 650 x 550 x 900 mm | 650 x 550 x 900 mm |
| Weight | 120 kg | 170 kg |
| Power plug | 63 A CEE | 125 A CEE |
| Current type | AC / HW DC* | AC / HW DC* |
| AC effective | 2800 A | 4250 A |
| AC peak | 4000 A | 6000 A |
| DC effective | 2000 A* | 3000 A* |
| DC peak | 4000 A* | 6000 A* |
| Relative duty cycle | 30% ON / 70% OFF | 30% ON / 70% OFF |
| Open circuit voltage max | 9V | 11V |
| Auxiliaries voltage | 24V | 24V |
| Mains connection | 400V | 400V |
| Frequency | 50 Hz | 50 Hz |
| Power consumption | 30 kVA | 55 kVA |
| Surge current | 28 kA | 60 kA |
| Recommended high current cable (not included) | 4 x 2,5 m | 6 x 2,5 m |
| High current cable cross section (not included) | 120 mm ² | 120 mm ² |
| Test current adjustment | 0-5 s | 0-5 s |
| Constant current control | Yes, with Value Lock | Yes, with Value Lock |
| Current indication | Digital | Digital |
| Overheating protection | Yes | Yes |
| Demagnetization | Yes, complete description under request | Yes, complete description under request |
| IP housing protection class acc. to EN 60529 | IP43 | IP43 |

***N.B. functions available as option**

SEPARATELY QUOTED OPTIONS

| Art. no. | Description | Picture |
|---|--|---|
| DF OC Delta Screen 2.0 | Operator Panel DELTA SCREEN 7" 2.0 touch screen |  |
| DF OC HW 40 DF OC HW 60 | DC Magnetization | |
| DF OC ESC | AC / HW DC Electronic Commutation | |
| DF OC PSS | Safety Footswitch |  |
| (x2/x3) DF CAV 120-2.5-K | Recommended High Current Cables: Couple of Cables: 120 mm ² ; lenght= 2,5 m complete of connection plugs KIT (GIFAS-Dinse-plug single cable lug) |  |
| | Magnetic Prods |  |
| DF OC BS 350 DF OC BS 500 | Standard Coil |  |
| DF OC BA 350 DF OC BA 500 | Openable Coil |  |
| | Magnetic Electrodes | |
| DF MM 30-500 DF MM 50-500 DF MM 80-500 | Magnetic Mandrel | |
| DF M B 60 P | Portable Minibench Frame |  |

N.B.: the pictures above represented are only for an illustrative purpose.

N.B.: all items represented (as: reading instrument, plugs, connection systems...) may change depending on the technical predisposition requested.



Since 1992 Delta Flux is a leading company in designing and producing systems and machines in NDT field specialized in **MPI (Magnetics Particles Inspection)** and **PT (Dye and Fluorescent Penetrant Inspection)** devices.

In addition to the design of the machine, production and maintenance, is available a warehouse including **accessories** and **consumables** necessary for the operation of all equipments.

