

# IMS POWERDUCTION 110LG

## WATER COOLED INDUCTION HEATING

027909 - 400V - 3φ

075436 - 208/240V - 3φ (UL Standard)  



**POWERDUCTION 110LG** supplies an instant heating power to unseize, and to heat up steel or aluminium. Flameless, its heating is accurate, instantaneous and safe for the working environment. Thanks to its liquid cooling, it can work continuously at its maximum power of 11 kW. Designed for use on three-phase 16 A sockets, it is particularly effective for mechanical work on heavy goods vehicles, public works vehicles and agricultural machinery.

### ADAPTATED TO ALL INDUSTRIES



Mechanics & car maintenance, trucks & construction industry

Industry, maritime, railways, maintenance.

### A WIDE RANGE OF APPLICATIONS




- Bent chassis straightening (not HLE steel)
- Releasing bolts, steering ball joints without damaging the rubber boots
- Removing seized hub bearings
- Removal of exhaust system
- Annealing of metal parts
- Heating for bending
- Brazing
- etc.

### GUARANTEED POWER AND TIME SAVING

#### • Heating power :

11 kW selectable in 1000 W steps

Heats into the metal's heart, to a 6 mm depth. Red light (800°C) :

|  | 50LG                     | 110 LG                   | 160LG                                   |
|--|--------------------------|--------------------------|---|
|  | M14 → 1 s                | M18 → 1 s                | M20 → 1 s                               |
|  | 2 mm → 3 s<br>4 mm → 5 s | 2 mm → 2 s<br>4 mm → 4 s | 2 mm → 1 s<br>4 mm → 3 s<br>8 mm → 17 s |
|  | ∅ 10 → 10 s              | ∅ 10 → 7 s               | ∅ 10 → 5 s                              |

#### • Safety and time saving:

Immediate heating without flame on a specific area, it can be used close to cables, pipes, or other heat sensitive part avoiding the need to disassemble them.

#### • User comfort:

4 meter induction cable which allows to work at height or in any places the generator cannot fit.

### TOTAL CONTROL OF HEATING



The POWERDUCTION 110LG has an integrated heating time management and can control an intelligent temperature control unit (Option : Powerduction Heat Controller - ref. 061644). Technologies that are indispensable for the precise control of the heating in order to obtain a result that meets all requirements.



Inductor L90



**Removable handle**  
Increases the manoeuvrability of the lance and makes it more comfortable to handle.

### CONSUMABLES

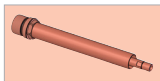


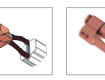
#### Coolant

The product requires regular renewal of cooling liquid available separately (ref. 052246).











#### Inductors and adaptors

The POWERDUCTION range is enriched by a wide range of inductors that can be adapted to the different rooms to be heated. Small inductors (S) improve accessibility and heating possibilities:

| Adaptors   | Inductors   |   |   |   |
|--|---|---|---|---|
|  |  |  |  |   |
| ● 32L<br>Ref. 064515   | ● L90<br>Ref. 059788  | ● L70<br>Ref. 059771  | ● L180<br>Ref. 059795   |   |
|  |  |  |  |  |
|  | ● L180 SPIRAL<br>Ref. 065000  | ● L20/B4<br>Ref. 067882   | ● L180 D80<br>Ref. 069121   | ● L20 Alu Glove<br>Ref. 069114  |
|  |  |  |  |  |
| ● 32S<br>Ref. 064508   | ● S70<br>Ref. 061569  | ● S90<br>Ref. 058927  | ● S180<br>Ref. 059269   | ● S20/B1<br>Ref. 064874   |
|  |  |  |  |   |
|  | ● S180/B1<br>Ref. 064881  | ● S180/B2<br>Ref. 064928  | ● S180/B3 W<br>Ref. 067899  |   |

● Original supplied ● Optional

| Ref.   |  50 Hz |  A |  kW | Freq. kHz | X% @ 35°C min |  Capacity of cooling liquid tank |  cm |  kg |  m |  m |
|--------|---|---|--|-----------|---------------|---|--|--|---|---|
| 027909 | 208/240 V 3~  | 35  | 11   | 25-50     | 100 %         | 7 l   | 59 x 88 x 59   | 86   | 5   | 4   |
| 075436 | 400 V 3~  | 16  |  |           |               |   |  | 80   |   |   |

