

TERAC® 25/40

DECK AND
BULKHEAD
STRAIGHTENING
SYSTEM



The Terac 25/40 brings the cost, safety and environmental benefits of induction heating to ship-yards. A proven, turnkey solution, the Terac only needs an electricity supply and it's ready to start work. Terac is ideal for deck and bulkhead straightening.

Increased productivity

Fast, easy, precise and repeatable heating improves productivity. Through-heating of steel decks and bulkheads is rapid, e.g., 8mm in only 8 seconds.

Reduced costs

Terac has been documented to cut straightening times by as much as 80 per cent compared to flame heating and other traditional methods.

Improved quality

Terac ensures the precise repeatability of heating cycles. Pre-set parameters minimize the risk of overheating.

Gentle on the environment

No flames, no gas and virtually no radiant heat mean more comfortable, more productive working conditions. That's good news for the natural environment, too.



PUTTING THE SMARTER
HEAT TO SMARTER USE

PRODUCT FEATURES



Mobility

A complete Terac system fits in one standard sized container, making it easy to move from one work site to another.



Extensive work range

Operators can work with Terac within a 45m radius of the base unit. An optional extension unit lengthens the work area to a 60m radius.



Robust construction

Terac components are designed and built to last in tough shipyard environments.



Handheld transformer

The handheld transformer lets operators heat bulkheads and hard-to-reach areas.



Easy operation

Clear, easy to understand operator controls are conveniently placed on the handle.

TECHNICAL DATA

Supply

| | |
|----------------------|---------------------|
| Supply voltage range | 3x400V ± 10% (460V) |
| Frequency | 50Hz / (60Hz) |
| Power factor (cos φ) | 0.95 |
| Recommended fuse | 63 Amp |
| Mains cable length | 5m |

Output

| | |
|--------------------------------------|---------|
| Output power, nominal / intermittent | 25/40kW |
| Cooling & power cable length | 30m |

Cooling

| | |
|------------------|---|
| Refrigerant type | R407C |
| Coolant | Mains water (with 30% monopropylenglycol when risk of freezing) |

Enclosure

| | |
|--------------------------|----------------------|
| Ambient operating temp. | +5°C - +40°C |
| Outer dimensions (WxDxH) | 1965 x 1980 x 1925mm |
| Weight (with water) | Approx. 1240kg |

Capacitor unit / Extension unit

| | |
|--------------------------|----------------------------|
| Outer dimensions (WxDxH) | 570 x 858 x 300mm |
| Weight | Approx. 36kg (excl. cable) |

Deck inductor unit

| | |
|--------------|----------------------------|
| Weight | Approx. 10kg (excl. cable) |
| Cable length | 15m |

Handheld inductor unit

| | |
|--------------|---------------------------|
| Weight | Approx. 2kg (excl. cable) |
| Cable length | 10m |

Subject to modification