



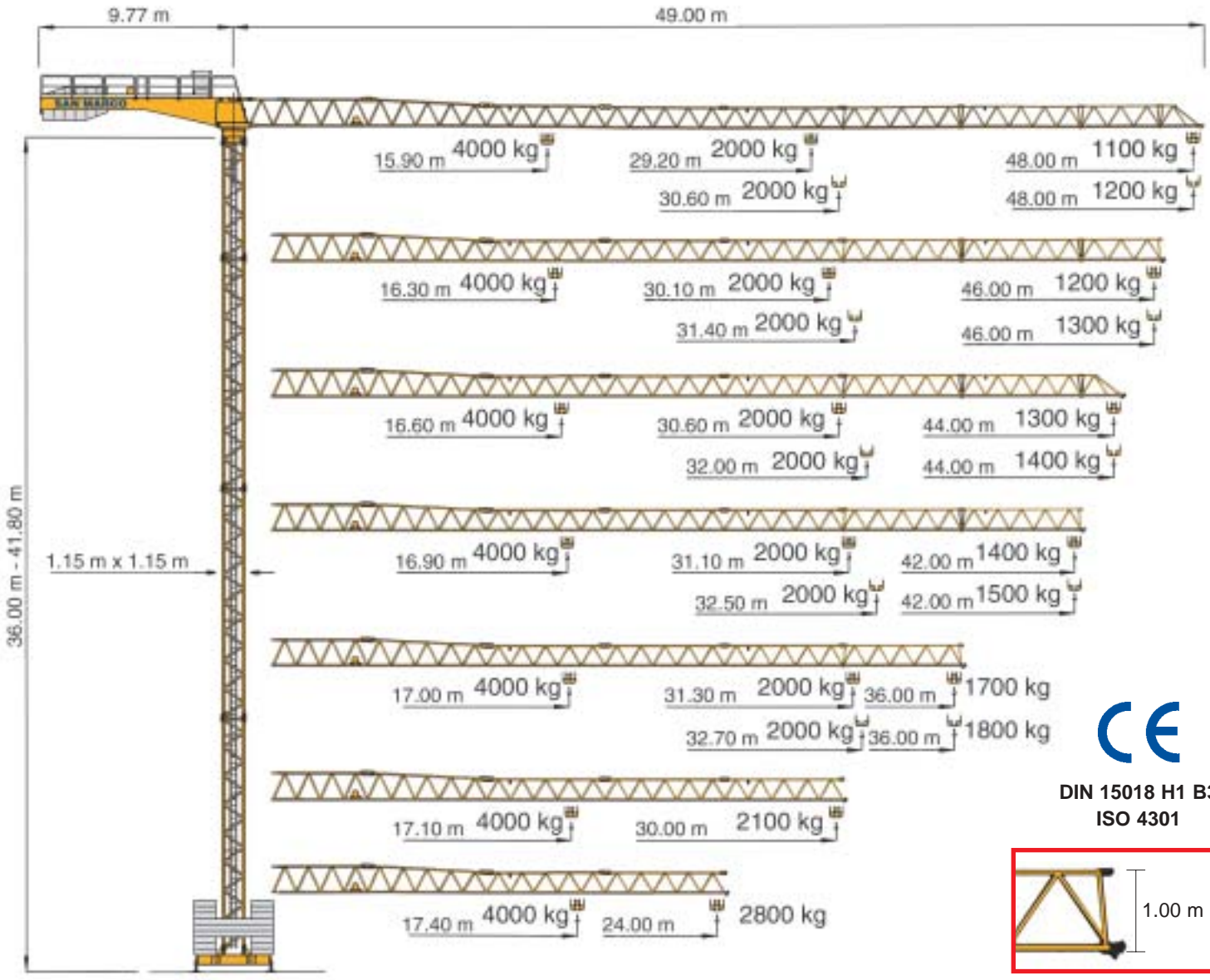


# SMT 48

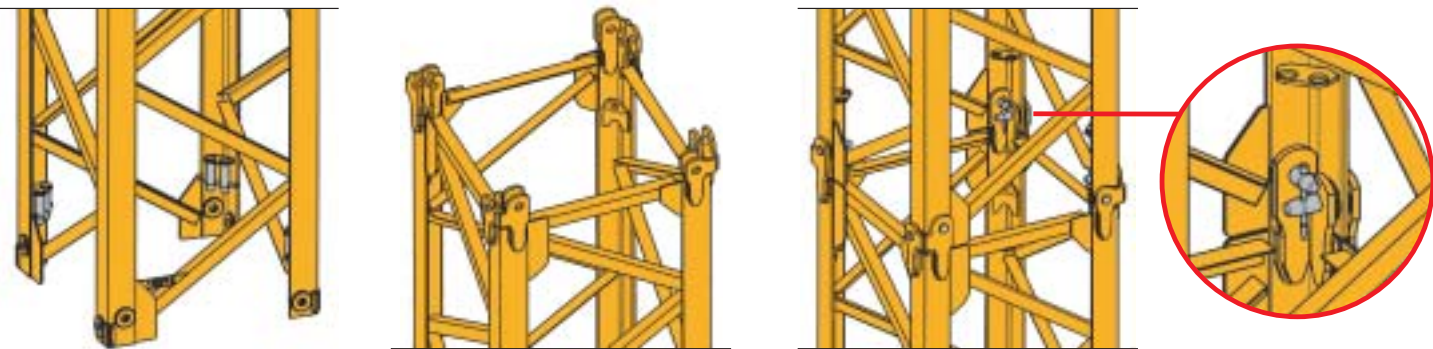
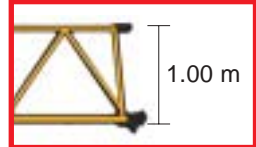
## Gru a torre montaggio modulare

## Triverter 444

-  Tower crane modular assembly
-  Turmdrehkran modulare montage
-  Grue a tour montage modulaire
-  Grua torre montaje modular



DIN 15018 H1 B3  
ISO 4301



## Diagrammi di carico

|   |      |      |      |      |      |      |      |      |      |      |      |    |
|---|------|------|------|------|------|------|------|------|------|------|------|----|
| m | 12   | 18   | 24   | 30   | 36   | 38   | 40   | 42   | 44   | 46   | 48   | m  |
| t | 2.00 | 2.00 | 2.00 | 2.00 | 1.76 | 1.66 | 1.57 | 1.49 | 1.41 | 1.35 | 1.20 | 48 |
| t | 4.00 | 3.49 | 2.52 | 1.94 | 1.57 | 1.47 | 1.38 | 1.30 | 1.23 | 1.16 | 1.10 |    |
| t | 2.00 | 2.00 | 2.00 | 2.00 | 1.72 | 1.61 | 1.52 | 1.44 | 1.37 | 1.30 | 46   |    |
| t | 4.00 | 3.60 | 2.60 | 2.00 | 1.62 | 1.52 | 1.42 | 1.34 | 1.27 | 1.20 |      |    |
| t | 2.00 | 2.00 | 2.00 | 2.00 | 1.71 | 1.61 | 1.53 | 1.44 | 1.40 | 44   |      |    |
| t | 4.00 | 3.67 | 2.65 | 2.05 | 1.66 | 1.55 | 1.46 | 1.38 | 1.30 |      |      |    |
| t | 2.00 | 2.00 | 2.00 | 2.00 | 1.78 | 1.68 | 1.58 | 1.50 | 42   |      |      |    |
| t | 4.00 | 3.73 | 2.70 | 2.09 | 1.68 | 1.58 | 1.48 | 1.40 |      |      |      |    |
| t | 2.00 | 2.00 | 2.00 | 2.00 | 1.70 | 36   |      |      |      |      |      |    |
| t | 4.00 | 3.76 | 2.72 | 2.10 | 1.70 |      |      |      |      |      |      |    |
| t | 4.00 | 4.00 | 2.80 | 24   | 30   |      |      |      |      |      |      |    |
| t | 4.00 | 4.00 | 2.80 | 24   |      |      |      |      |      |      |      |    |

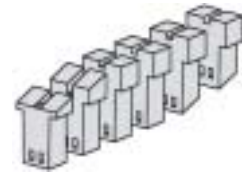
2.5 t \*

- Loads diagrams
- Lastkurven
- Courbes de charges
- Curvas de carga

- Tiro in II  
Single wiring  
Zwei Hubsseilen  
Simple mouflage  
Tiro simple
- Tiro in IV disinserito  
Disconnected double wiring  
Vierstrangbetrieb ausser Betrieb  
Double mouflage hors service  
Tiro doble desconectado
- Tiro in IV inserito  
Connected double wiring  
Vierstrangbetrieb in Betrieb  
Double mouflage en service  
Tiro doble conectado

## Zavorre di volata

- Jib ballast
- Ausleger-gegengewicht
- Contrepois de la flèche
- Contrapeso de la contraflecha



|      |        |
|------|--------|
| 48 m | 12.2 t |
| 46 m | 12.2 t |
| 44 m | 11.1 t |
| 42 m | 11.1 t |
| 36 m | 10.0 t |
| 30 m | 7.8 t  |
| 24 m | 6.3 t  |

## Carrello - Variatore (Inverter)

- Trolley - Speed controller
- Katzfahren - Unrichter
- Chariot - Variateur
- Carro - Variador



|         |     |    |    |
|---------|-----|----|----|
| ACVF1.8 |     |    |    |
|         |     |    |    |
| m/min   | 10  | 20 | 30 |
| kW      | 1.8 |    |    |

## Zavorre di base <sup>NB</sup>

- Base ballast
- Basisballast
- Lest de base
- Contrapeso de la base



| Carro<br>Truck<br>Wagen<br>Embase<br>Carro | Altezza<br>Height<br>Höhe<br>Hauteur<br>Altura | Zavorra<br>Ballast<br>Ballast<br>Lest<br>Contrapeso |
|--|--|---|
| m  | m  | t   |
| 3.8x3.8                                    | 12-18-24                                       | 24.0  |
| 3.8x3.8                                    | 30   | 30.0  |
| 3.8x3.8                                    | 36   | 36.0  |
| 3.8x3.8                                    | 42   | 54.0  |
| 3.2x3.2                                    | 12-18-24                                       | 32.2  |
| 3.2x3.2                                    | 30   | 36.8  |

## Rotazione - Variatore (Inverter)

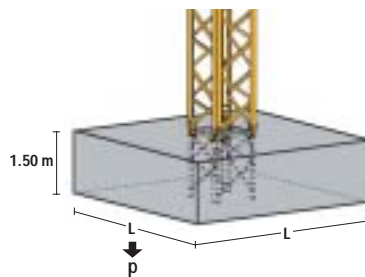
- Slewing - Speed controller
- Schwenken - Unrichter
- Orientation - Variateur
- Orientación - Variador

|     |     |     |     |
|-----|-----|-----|-----|
|     |     |     |     |
| rpm | 0.1 | 0.3 | 0.5 |
| kW  | 2.5 |     |     |
| kgm | 6.5 |     |     |



## Dimensioni in lunghezza e larghezza del plinto di base <sup>NB</sup>

- Sizes in length and width of the base footing
- Längenabmessungen und breite des Basisplinths
- Dimensions en longueur et largeur fondation
- Dimensiones de la zapata de base



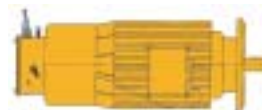
|                     |           |         |         |         |         |
|---------------------|-----------|---------|---------|---------|---------|
| p                   | h = 12-18 | h = 24  | h = 30  | h = 36  | h = 42  |
|                     | L x L     |         |         |         |         |
| daN/cm <sup>2</sup> | m         | m       | m       | m       | m       |
| 1.0                 | 4.4x4.4   | 4.4x4.4 | 4.5x4.5 | 5.0x5.0 | 5.6x5.6 |
| 1.2                 | 4.0x4.0   | 4.0x4.0 | 4.2x4.2 | 4.7x4.7 | 5.3x5.3 |
| 1.4                 | 3.8x3.8   | 3.8x3.8 | 3.9x3.9 | 4.4x4.4 | 5.0x5.0 |
| 1.6                 | 3.6x3.6   | 3.6x3.6 | 3.8x3.8 | 4.3x4.3 | 4.9x4.9 |
| 1.8                 | 3.5x3.5   | 3.5x3.5 | 3.6x3.6 | 4.2x4.2 | 4.8x4.8 |
| 2.0                 | 3.4x3.4   | 3.4x3.4 | 3.5x3.5 | 4.1x4.1 | 4.6x4.6 |

## Sblocco freno di rotazione

- Rotation brake release
- Drehungsbremseentblockung
- Ouverture du frein d'orientation
- Desbloqueo freno de giro



Intervento manuale  
Manual intervention  
Hand-Antrieb  
Commande manuelle  
Intervencion manual



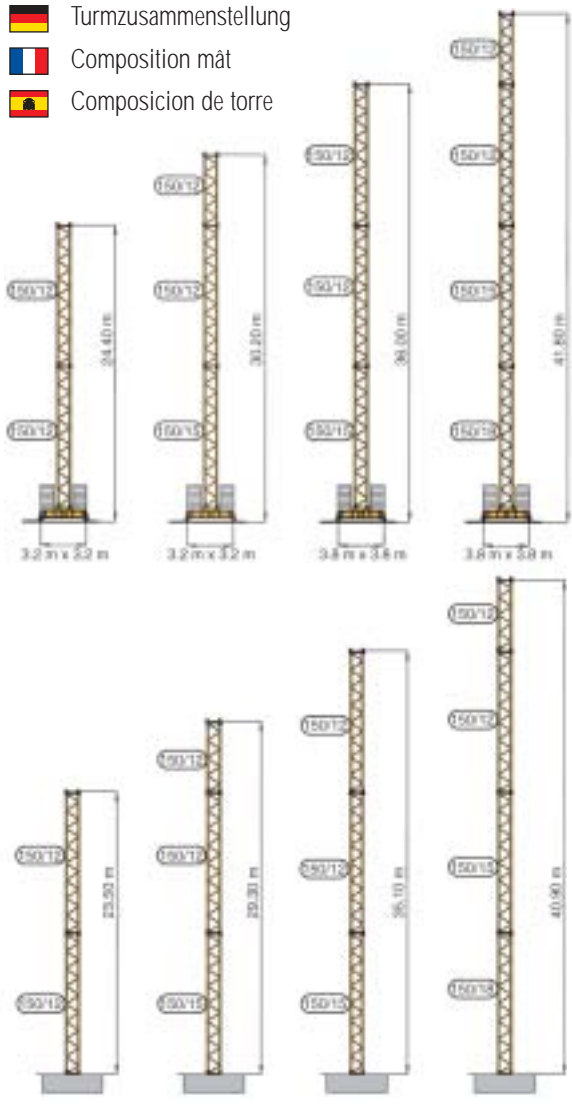
Intervento con radiocomando o pulsantiera  
Intervention with radioremoté/  
cable radio control  
Antrieb mit Funksteuerung oder Steuerpulte  
Commande à distance par radio ou par cable  
Intervencion con mando a distancia  
o botonera

# Gru a torre montaggio modulare SMT 48

## Triverter 444

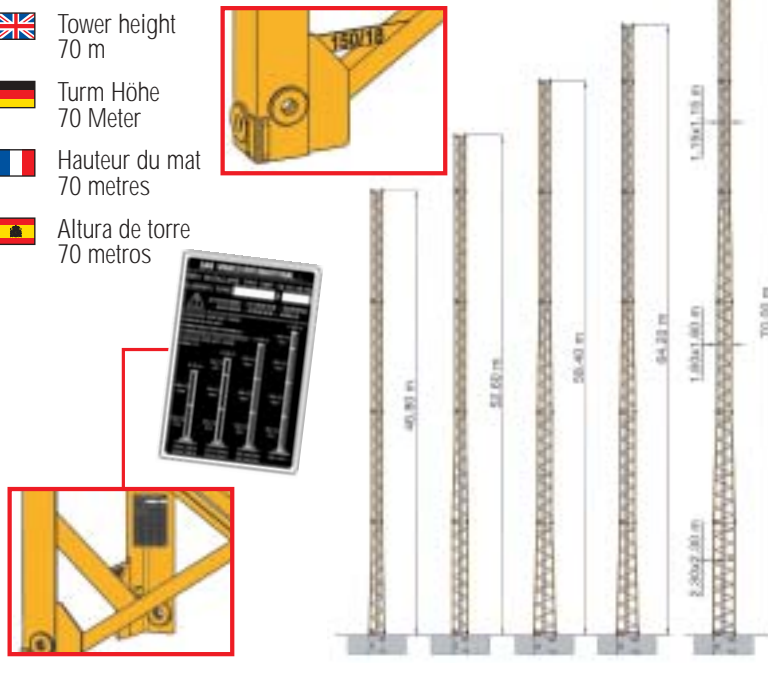
### Composizione torre

- Tower composition
- Turmzusammenstellung
- Composition mât
- Composicion de torre



### Torre altezza 70 m

- Tower height 70 m
- Turm Höhe 70 Meter
- Hauteur du mât 70 metres
- Altura de torre 70 metros



### Anemometro

- Anemometer
- Windmesser
- Anemometre
- Anemometro



### Sollevamento - Variatore (Inverter)

- Hoisting - Speed controller
- Heben - Unrichter
- Levage - Variateur
- Elevación - Variador

|       | ASVF11 |     |     |         | ASVF15* |     |     |         |     |     |     |     |
|-------|--------|-----|-----|---------|---------|-----|-----|---------|-----|-----|-----|-----|
|       |        |     |     |         |         |     |     |         |     |     |     |     |
| m/min | 10     | 30  | 45  | 60      | 5       | 15  | 22  | 30      | 10  | 30  | 45  | 60  |
| t     | 2.0    | 2.0 | 1.4 | 0.8/1.0 | 4.0     | 4.0 | 2.8 | 1.6/2.0 | 2.5 | 2.5 | 1.8 | 1.2 |
| kW    | 11     |     |     |         | 11      |     |     |         | 15  |     |     |     |

### Potenza elettrica necessaria

- Power requirement
- Anschlusswert
- Puissance électrique nécessaire
- Potencia eléctrica necesaria

|    |     |
|----|-----|
| V  | 380 |
| Hz | 50  |
| kW | 25  |

### Azioni su stabilizzatori



- Actions on the stabilizers
- Wirkung auf die Stabilisatoren
- Action sur les verins
- Reacciones sobre estabilizadores

| Altezza<br>Height<br>Höhe<br>Hauteur<br>Altura | Carro<br>Truck<br>Wagen<br>Embaise<br>Carro | In servizio<br>In use<br>In Betrieb<br>En service<br>En servicio | Fuori servizio<br>Out of order<br>Ausser Betrieb<br>Hors service<br>Fuera servicio |
|--|---|--|--|
| m  | m   | t  | t  |
| 12-18-24                                       | 3.8x3.8                                     | 28.0   | 18.0   |
| 30   | 3.8x3.8                                     | 31.0   | 25.0   |
| 36   | 3.8x3.8                                     | 35.0   | 33.0   |
| 42   | 3.8x3.8                                     | 44.0   | 44.0   |
| 12-18-24                                       | 3.2x3.2                                     | 32.0   | 21.0   |
| 30   | 3.2x3.2                                     | 36.0   | 29.0   |

NB Uguali per tutte le lunghezze di braccio • Same for all jib lengths • Für alle Auslegerlängen gleich • Egal pour toutes les longueurs de fleche • Igual para todas las longitudes de flecha

\* A richiesta • On request • Auf Wunsch • Sur demande • Sobre demanda

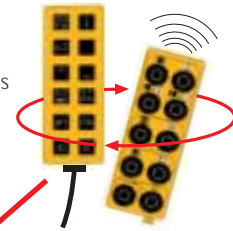
## Comandi da terra

-  Ground control
-  Antriebe von Boden
-  Commande du sol
-  Maniobra desde tierra  
(en el primer tramo  
o base de grua)

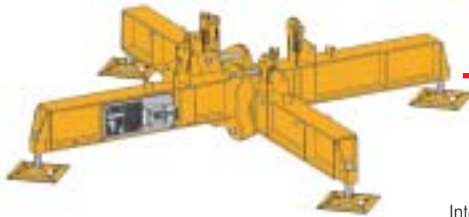


Sezionatore linea  
On/off switch  
Schalter  
Sectionneur de ligne  
Seccionador de linea

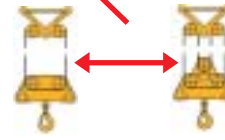
Commutatore radiocomando/pulsantiera  
RadioreMOTE/cable radio control selector  
Umschalter Funksteuerung/Steuerpulte  
Commutateur radio commande-boite à boutons  
Commutador mando a distancia/botonera



Sblocco freno di rotazione  
Rotation brake release  
Drehungsbremseentblockung  
Ouverture du frein d'orientation  
Desbloqueo freno de giro





Interruttore fano  
On/off light switch  
Beleuchtungschalter  
Interrupteur phare  
Interruptor luz roja





Selettore per funzione sollevamento tiro in II / tiro in IV  
Single/double wiring selector  
Selektor Hebung zwei Hubseilen/Vierstrangbetrieb  
Sélecteur fonction de levage simple mouflage-double mouflage  
Selector funcion tiro sencillo y tiro doble

- Strutture in acciaio ad alta resistenza per impiego a basse temperature
- Braccio e torre a montaggio modulare
- Bassa emissione acustica e livello di potenza sonora garantito e certificato
- Climatizzazione termostatica dell'equipaggiamento elettrico per alte e basse temperature
- Mezzi di accesso alla parte superiore della gru
- Anemometro con segnalatore ottico e acustico


-  • High-strength steel structure for use at low temperatures
- Modular assembly jib and tower
- Guaranteed and certified low acoustics emission and sound powers level
- Automatic temperature control of electrical equipment for high and low temperatures
- Disassembled stair on the tower
- Anemometer with optical and acoustic indicator


-  • Strukturen aus hochfestem Stahl für den Einsatz bei niedrigen Temperaturen
- Ausleger und Turm mit modularer Montage
- Niedriger Geräuschpegel und Schalleistungsniveau garantiert und zertifiziert
- Thermostatgesteuerte Klimatisierung der elektrischen Ausrüstung für hohe und niedrige Temperaturen
- Ausrüstungen für den Zugang zum oberen Teil des Krans
- Windmesser mit optischen Signalton


-  • Structures en acier à haute résistance pour utilisation aux basses températures
- Fleche et mât a montage modulaire
- Émission acoustique réduite et niveau de puissance sonore garantie avec certificat
- Climatisation thermostatique de l'équipement électrique pour températures ambiante élevées ou basses
- Escaliers d'accès au mat démontables
- Anémomètre avec avertisseur optique et acoustique


-  • Estructura en acero de alta resistencia para trabajar a baja temperaturas
- Flecha y torre de montaje modular
- Baja emisión acústica y nivel de potencia sonora garantizada y certificada
- Climatización termostática del equipamiento eléctrico para bajas y altas temperaturas
- Medios de acceso a la parte superior de la grúa
- Anemometro con señalizador optico y acustico

- Conforme alle direttive CEE: 89/392; 91/368; 93/44; 93/68 e 98/37 direttiva macchine
- Conforme alle direttive CEE: 2000/14 e 87/405 livello acustico
- Conforme alle direttive CEE: 89/336 compatibilità magnetica
- Conforme alle direttive CEE: 73/23 bassa tensione
- Conforme al D.P.R. 27/4/55 n. 547
- Le nostre macchine sono protette da assicurazione per responsabilità civile prodotti senza termine
- Specifiche suscettibili di variazioni senza preavviso.

-  • In compliance with the EEC 89/392; 91/368; 93/44; 93/68 and 98/37 regulations
- In compliance with the EEC 2000/14 and 87/405 regulations on noise levels
- In compliance with the EEC 89/336 regulations on electromagnetic compatibility
- In compliance with the EEC 73/23 regulations on electrical equipment
- Machine covered by lifetime public liability insurance coverage
- Specifications subject to modification without notice.

-  • Gemäss EWG Richtlinien 89/392; 91/368; 93/44; 93/68 und 98/37
- Gemäss EWG Richtlinien 2000/14 und 87/405 über schall-leistungspegel
- Gemäss EWG Richtlinie 89/336 über Elektromagnetische Verträglichkeit
- Gemäss EWG Richtlinie 73/23 über Elektrische Ausrüstung
- Maschine unter Produkt-Haftpflichtversicherungsschutz ohne Fristangabe
- Obiges kann ohne Berstaendigung geändert werden.

-  • Conforme à les directives CEE 89/392; 91/368; 93/44; 93/68 et 98/37
- Conforme à les directives CEE 2000/14 et 87/405 sur le niveau acoustique
- Conforme à la directive CEE 89/336 sur la compatibilité électromagnétique
- Conforme à la directive CEE 73/23 sur l'équipement électrique
- Machines assurées pour la responsabilité civile des produit sans échéance
- Specifications susceptibles de modification sans avis préalable.

-  • Conforme con las directivas CEE 89/392; 91/368; 93/44; 93/68 y 98/37
- Conforme con las directivas CEE 2000/14 y 87/405 sobre el nivel acustico
- Conforme con la directiva CEE 89/336 sobre la compatibilidad magnetica
- Conforme con la directiva CEE 73/23 sobre baja tension
- Máquina protegida y asegurada por la responsabilidad civil de productos todo riesgo
- Especificaciones sujetas a modificaciones sin previo aviso.



**SAN MARCO**  
**INTERNATIONAL**

COSTRUZIONI GRU - BETONIERE  
E ATTREZZATURE EDILI

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