



ELECTRIC TRACTORS & SCRUBBER DRYERS



ELECTRIC TRACTORS

DEC TRACTOR RANGE 2022

SCRUBBER DRYERS

BULL 5NS

Stand-on
Towing capacity
5000 kg



BULL DOUBLE

Stand-on
Towing capacity
5000 kg



BULL 2

BULL 4

Rider-seated
Towing capacity
2000 - 4000 kg



BULL 2N

BULL 5N

Rider-seated
Towing capacity
2000 - 5000 kg



BULL 7E

Rider-seated tractor
without/with cab
Towing capacity
7000 kg

BULL 7 – CAB

Rider-seated tractor
without/with cab
Towing capacity 7000 kg

BULL 5/4W

Ride - seated tractor
without/with cab
Towing capacity
5000 kg

BULL 10 – CAB

Rider-seated tractor
without/with cab,
Towing capacity
10000 kg

BULL 2NP / 5NP

Rider-seated tractor
with Loading platform
Towing capacity
2000 kg - 5000 kg

BULL LORRY

Rider-seated tractor
With Loading platform
Towing capacity
6000 kg

BULL 25T

Rider-seated tractor
With Loading platform
Towing capacity
25000 kg

DEC TRACTORS RANGE



ELECTRIC TRACTORS

DEC COMPANY

SCRUBBER DRYERS

We are in the logistics field since
the 70s,

Market Knowledge and
competence,
quality and reliability of our
products and services,
are our strength.



DEC's Company is
located in Modena
Nord of Italy

Region: Emilia Romagna
City: Modena
ITALY





ELECTRIC TRACTORS

DEC STRENGTHS

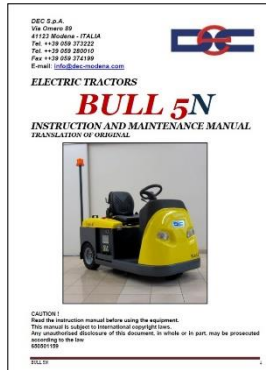
SCRUBBER DRYERS



TRELLEBORG



GRAMMER



BEST COMPONENTS

COMPLETE BOOKS



CUSTOMER SATISFACTION



DEC'S EXPERIENCE

BEST COMPONENTS

We use only the best components on the market,
only the best for our customers!!





Delivery time spare parts in 24/78 hours

Delivery time new machines in 1/4 weeks

USE AND MAINTENANCE BOOKS

DEC S.p.A.
Via Omero 89
41123 Modena - ITALIA
Tel. ++39 059 373222
Tel. ++39 059 280010
Fax ++39 059 374199
E-mail: info@dec-modena.com



ELECTRIC TRACTORS

BULL 5N

INSTRUCTION AND MAINTENANCE MANUAL
TRANSLATION OF ORIGINAL

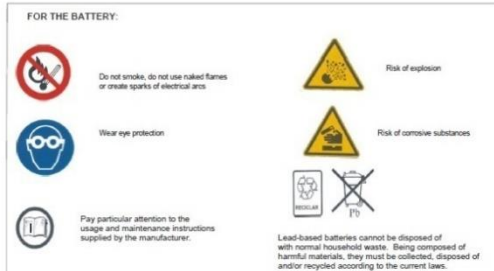


CAUTION !
Read the instruction manual before using the equipment.
This manual is subject to international copyright laws.
Any unauthorised disclosure of this document, in whole or in part, may be prosecuted according to the law
650501159

BULL 5N

3.0 – SAFETY INSTRUCTIONS

3.1 – WARNING AND INSTRUCTION LABELS



BULL 5N

MAINTENANCE

MAINTENANCE PROGRAM

	MAINTENANCE OBJECT	ACTIVITY
Every two months or 150 hours' use		
1	Wheels	Check screws and studs driving torque (Table par. 6.2)
2	Braking system	Check oil level
3	Hitch	Check fastening to the frame (see Driving torque Table par. 6.2)
Every six months or 500 hours' use		
1	Tractor	General check of functionality
2	Braking system	Verify absence of grease in the braking drums
3	Service braking system	Check the thickness of the braking shoes friction material (Must not be less than 1mm)
4	Service parking brake	Check of system tubes integrity
5	Parking braking system	Electro-mech. brake: clean and adjust
6	Steering system	Steering chain: verify wear and absence of damages, flaws and oxidation
7	Steering system	Grease the steering chain
8	Automatic coupling	Grease (Table of Lubricants par. 6.2)
9	Automatic coupling	Check diameter of coupling bolt ("B" of fig.1 – page 28); must not be less than 22 mm
10	Automatic coupling	Check vertical play of coupling bolt ("B" of fig.1 – page 28); must not exceed 2 mm
Annually or every 1,000 hours' use		
1	Transmission	Verify absence of traction motor noise
2	Transmission	Fastening check of - motor to the traction group and - traction group to the frame (see Driving Torque - Table par. 6.2)
3	Steering system	Verify clearance and smoothness of front steering group thrust bearing
Every two years or 2,000 hours' use		
1	Transmission	Change of traction group oil
2	Braking system	Change of oil
After 5 years or 5,000 hours' use		
1	Transmission	Replacement of motor bearings
2	Transmission	Replacement of rear wheels hubs bearings

BULL 5N

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COMPLETE AND EASY TO UNDERSTAND



ELECTRIC TRACTORS

DEC STRENGTHS

SCRUBBER DRYERS

SPARE PARTS BOOKS

BULL5



TRATTORE ELETTRICO
ELECTRIC TRACTOR
TRACTEUR ELECTRIQUE
TRACTOR ELECTRICO
ELEKTRISCHER TRAKTOR

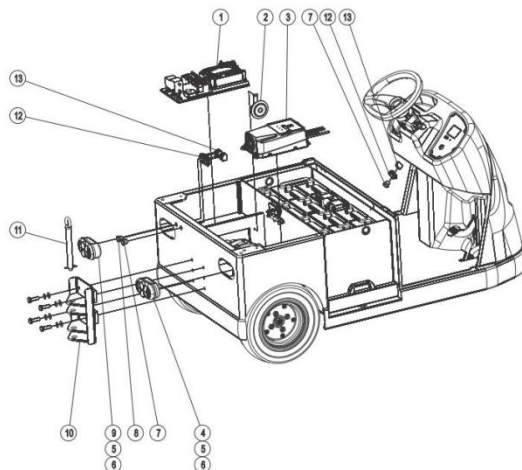
BULL5N

CATALOGO PARTI DI RICAMBIO
PARTS MANUAL
MANUEL DES PIECES DE RECHANGE
ERSATZTEILKATALOG
MANUAL DE REPUESTOS

DEC spa - Via Omero, 89-41123 Modena - Italy
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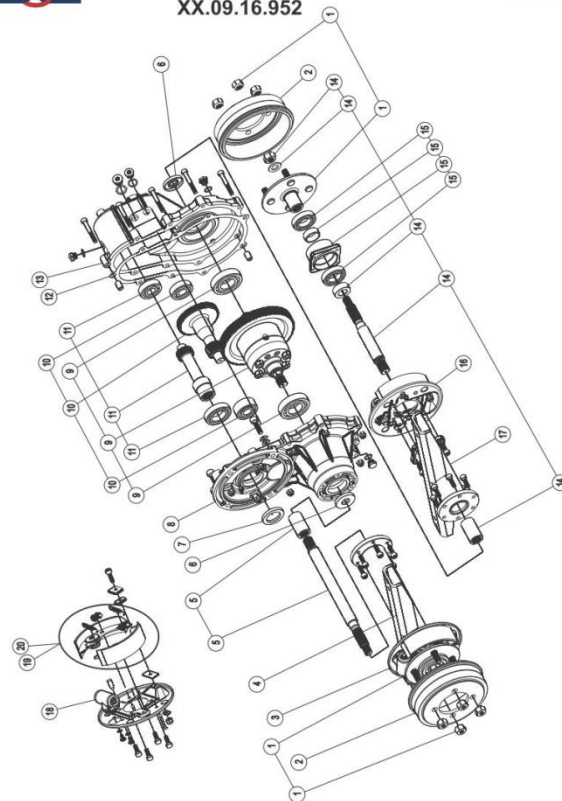


RF	CODE	QTY	DESCRIZIONE	DESCRIPTION	DESIGNATION	BENENNING	DEGNOMACIONES
1	08.01.30.004	1	IMPIANTO ELETTRONICO	ELECTRONIC SYSTEM	SYSTEME ELECTRONIQUE	ELEKTRISCHE ANLAGE	PLANTA ELECTRONICA
2	10.05.24.002	1	CLAXON	HORN	KLAXON	WARNHORN	CLAXON
3	10.08.01.047	1	CARICA BATTERIA	CHARGER	CHARGE BATTERIE	BATTERIE LADUNG	CARGADOR
4	10.05.25.013	1	LUCE POSTERIORE DX	REAR LIGHT R	FEUX ARRIERE D	SCHLUSS LUCHTE R	FALGO TRASERO D
5	10.06.24.014	1	LAMPADINA LUCI	LIGHTS BULB	FEUX AMPOULE	LICHT LAMPE	BOBILLA FALOS
6	10.06.24.013	1	LAMPADINA FRECCIA	TURN IND BULB	AMPOULE DIRECTION	BLINKER LAMPE	BOBILLA INTERMIT
7	10.05.24.014	2	PULSANTE NERO	BLACK BUTTON	BOUTON NOIR	SCHWARZE KNOPF	PULSADOR NEGRO
8	10.05.24.015	1	PULSANTE VERDE	GREEN BUTTON	BOUTON VERT	GRUN KNOPF	PULSADOR VERDE
9	10.05.25.012	1	LUCI POSTERIORE SX	REAR LIGHT L	FEUX ARRIERE G	SCHLUSS LUCHTE L	FALGO TRASERO I
10	05.01.09.237	1	SUPP GANCIO TRAINO	TOWING HOOK SUPP	SOUT CROCHET D'ATT	ZUGHAKEN HALTERUNG	SOPORTE GANCIO TRO
11	08.01.30.079	1	PERNO GANCIO TRAINO	TOWING HOOK SHAFT	ARBRE CROCHET D'ATT	ZUGHAKEN ACHE	ARBRA GANCIO DE TRO
12	10.05.24.012	3	SUPPORTO	SUPPORT	SOUTIENS	HALTERUNG	SOPORTES
13	10.05.24.009	5	ELEMENTO DI CONTATTI	CONTACT ELEMENT	ELEMENT DE CONTACT	KONTAKTELEMENT	ELEMENTO DE CONTACT



VALIDITY UP TO SERIAL NUMBER
XX.09.16.952

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COMPLETE AND EASY TO UNDERSTAND



ELECTRIC TRACTORS

DEC STRENGTHS

SCRUBBER DRYERS

TECHNICAL BOOKS

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ELECTRIC TRACTORS

BULL 5N



TECHNICAL INFORMATION MANUAL TRANSLATION OF ORIGINAL

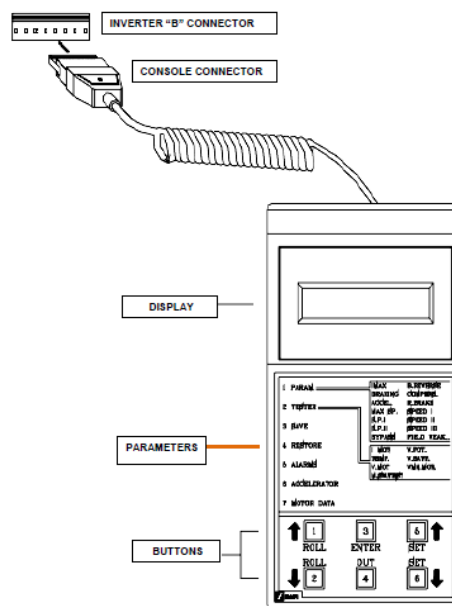
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650501162

1

3.3 - DIGITAL CONSOLE (HAND SET)

Adjustment of Parameters and changes to the Inverter's configuration are made using the Digital Console. The Console has to be connected to the "B" connector of the Inverter (par.3.2).

CONSOLE

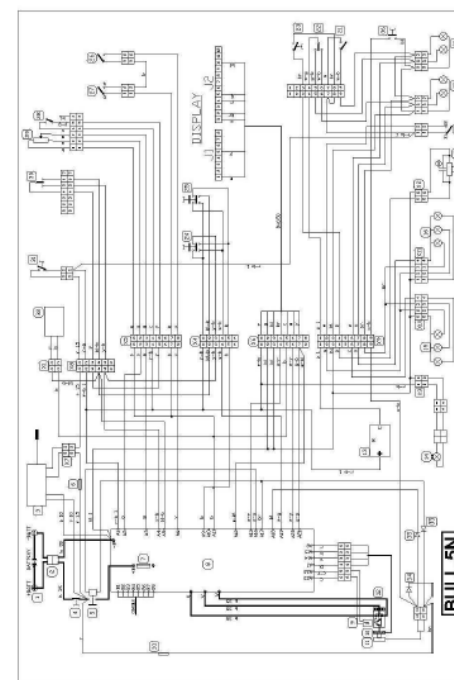


Digital Console used to communicate with AC Inverter controllers must be fitted with EPROM CK ULTRA, minimum "RELEASE Number 3.02".

24

3.0 - ELECTRICAL PLANT

3.1 - ELECTRICAL DIAGRAM (with built-in charger)



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COMPLETE AND EASY TO UNDERSTAND

DEC'S EXPERIENCE
And
CUSTOMER SATISFACTION



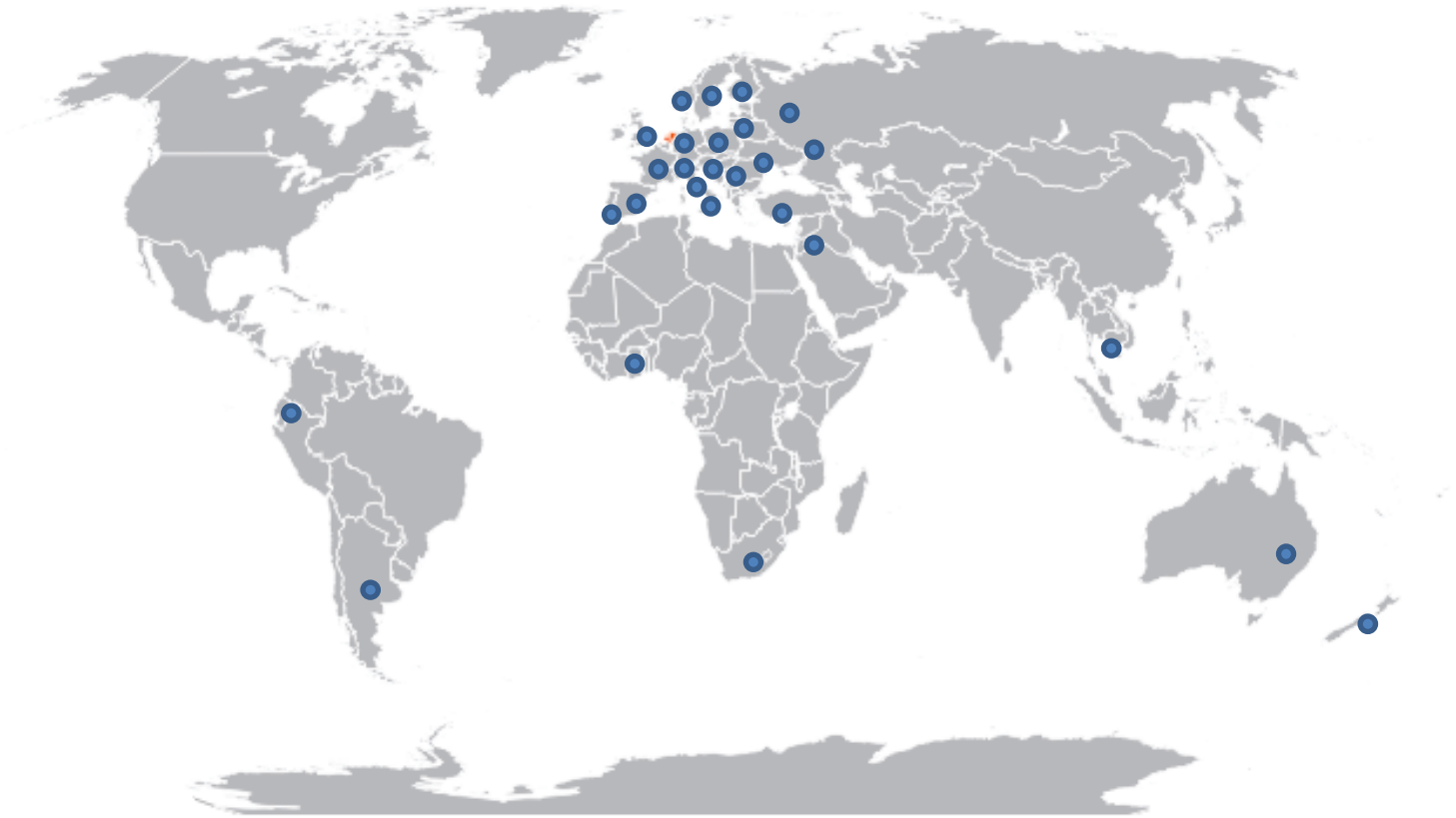
We can study special solution and products out of standard ones
in only few working days.



ELECTRIC TRACTORS

DEC DEALERS

SCRUBBER DRYERS



DEC' Dealers in the Word



ELECTRIC TRACTORS

SOME FINAL USER

SCRUBBER DRYERS





ELECTRIC TRACTORS

DEC TRACTORS PRESENTATION

SCRUBBER DRYERS

TRACTOR PRESENTATION

MODELS - MOST SOLD



BULL 5NS

SCRUBBER DRYERS



BULL 5NS



KG 5.0 t



1 x 24 / 500 Ah

Machine studied for Picking and demanding jobs,
suitable for working inside and outside on multiple shifts.
Unique machine with large super-elastic wheels,

BULL 5NS unique with PNEUMATIC 10Pr wheels and Cabin.



BULL 5NS



Electric Steering
by cloche



Interactive
display



Selector Speed



Adjustable Backrest



Accessories
Holder



Laterals Mirrors



Low Feet panel



Lateral and Vertical
extracion battery





ELECTRIC TRACTORS

BULL 2 - BULL 4

SCRUBBER DRYERS



BULL 2 / BULL 4



KG 2.0 - 4.0 t



1 x 24V / 250 - 300 Ah

Alternative machines to BULL 2N and BULL 5N
for tight spaces where they can't work



BULL 2 / BULL 4



ELECTRIC TRACTORS

BULL 2N - BULL 5N

SCRUBBER DRYERS



BULL 2N / BULL 5N



2.0 - 5.0 t



1 x 24V / 250 - 360 Ah



BULL 2NP / BULL 5NP



500 - 700 kg



2 x 12V / 118 Ah

BULL 2N / BULL 5N CAB

Our business card, most sold machines in our range.
Extremely ergonomic, compact,
highly and performing.
Studied for internal and external jobs over several shifts,
Very low feet panel height, that allows the operator to
get on and off the machine many times a day without
getting tired.



ELECTRIC TRACTORS

BULL 2N – 5N



Stop Parking



Low Feet panel



Interactive
display BULL 5N



Selector Speed
BULL 5N



Extremly
Ergonomic



MDI BULL 2N



Lateral and Vertical
extracion battery



Cabin Without Doors



Cabin PVC Doors



Cabin METALLIC Doors





ELECTRIC TRACTORS

BULL 2NP - 5NP

SCRUBBER DRYERS



Platform 1450 mm



Special Platform

Standard Platform

- 920 x 900 mm
- 920 x 1200 mm
- 920 x 1450 mm

Loading Capacity

- 500 / 700 kg





ELECTRIC TRACTORS

BULL 7E - BULL 7 - BULL 5/4W - BULL 10

SCRUBBER DRYERS



BULL 7E



BULL 7



BULL 5/4W



BULL 10

 **7.0 t**
 **1 x 48V / 300 Ah**

 **7.0 t**
 **1 x 48V / 375 Ah**

 **5.0 t**
 **1 x 24V / 360 Ah**

 **10.0 t**
 **1 x 48V / 375 Ah**



BULL 7E CAB



BULL 7 CAB



BULL 5/4W CAB



BULL 10 CAB

Just three words ergonomic, efficient, powerful !!!



Laterals Mirrors



Lateral and Vertical
extracion battery



Low Feet panel



Stop Parking



Interactive
display BULL 5N



Cabin Without Doors



Selector Speed
BULL 7E



Cabin PVC Doors



Extramly
Ergonomic



Cabin METALLIC Doors



Excellent performance and reliability.
The double hydraulic brake system by drums on front and rear wheels allow to BULL 7 to overcome significant slopes



Led Lights



Low Feet panel



Lateral and Vertical
extracion battery



Stop Parking



Interactive
display



Selector Speed



Good Ergonomic



Cabin Without Doors



Cabin PVC Doors



Cabin METALLIC Doors





ELECTRIC TRACTORS

BULL 5/4 W

SCRUBBER DRYERS



BULL 5/4W

BULL 5/W CAB



5.0 t



1 x 360 Ah



Four wheels,
excellent stability,
available also with two comfortable seats



ELECTRIC TRACTORS

BULL 5/4 W

SCRUBBER DRYERS



Stop Parking



Low Feet panel



Lateral and Vertical
extracion battery



Interactive
display



Selector
Speed



Two Seats



Extramly
Ergonomic



Cabin Without Doors



Cabin PVC Doors



Cabin METALLIC Doors



Four wheels and hydraulic steering ,
excellent stability, available also with two comfortable seats



Led Light
←
Four Wheels
←
Hidraulic Steering
←
1 or 2 Seat
←

ONLY Lateral extracion
battery
→

Stop Parking
→



Interactive
display
←
Selector Speed
←
Good Ergonomic
←

Cabin Without Doors
→

Cabin PVC Doors
→

Cabin METALLIC Doors
→





ELECTRIC TRACTORS

BULL LORRY

SCRUBBER DRYERS



6.0 t



1500 kg



1 x 48V / 320/360 Ah

BULL LORRY

Platform load capacity by 1500 kg,
performing and solidity.

Two large and comfortable seats.

Low feet panel allows the operator to get
on and off the machine many times a day
without getting tired.

Amortized axles,
Front with leaf spring
Rear with shock absorbers





ELECTRIC TRACTORS

BULL LORRY

SCRUBBER DRYERS



Led Light



Four Wheels



Hidraulic
Steering



1 or 2 Seat



Stop Parking



Vertical or Lateral
extracion battery



Interactive
display



Selector Speed



Good Ergonomic



Cabin Without Doors



Cabin PVC Doors



Cabin METALLIC Doors



BULL LORRY

Front suspended axle
with leaf spring absorbers



Standard Platform

- 1050 x 1600 mm

Loading Capacity

- 1500 kg

Rear suspended axle
with schok absorbers



Low Feet panel





ELECTRIC TRACTORS

BULL LORRY Platform 1375 x 2000 mm

SCRUBBER DRYERS





ELECTRIC TRACTORS

BULL LORRY PVC Curtain

SCRUBBER DRYERS





ELECTRIC TRACTORS

NEW MACHINES

SCRUBBER DRYERS

DEC TRACTORS

NEW MACHINE / 2022



ELECTRIC TRACTORS

BULL 25T

SCRUBBER DRYERS



5.0 t



1 x 24V / 360 Ah

BULL 25T



ELECTRIC TRACTORS

BULL 25T

SCRUBBER DRYERS



25.0 t



1 x 80V / 620 Ah



BULL 25T



ELECTRIC TRACTORS

BULL 25T

SCRUBBER DRYERS



25.0 t



1 x 80V / 620 Ah



BULL 25T



ELECTRIC TRACTORS

BULL 25T

SCRUBBER DRYERS

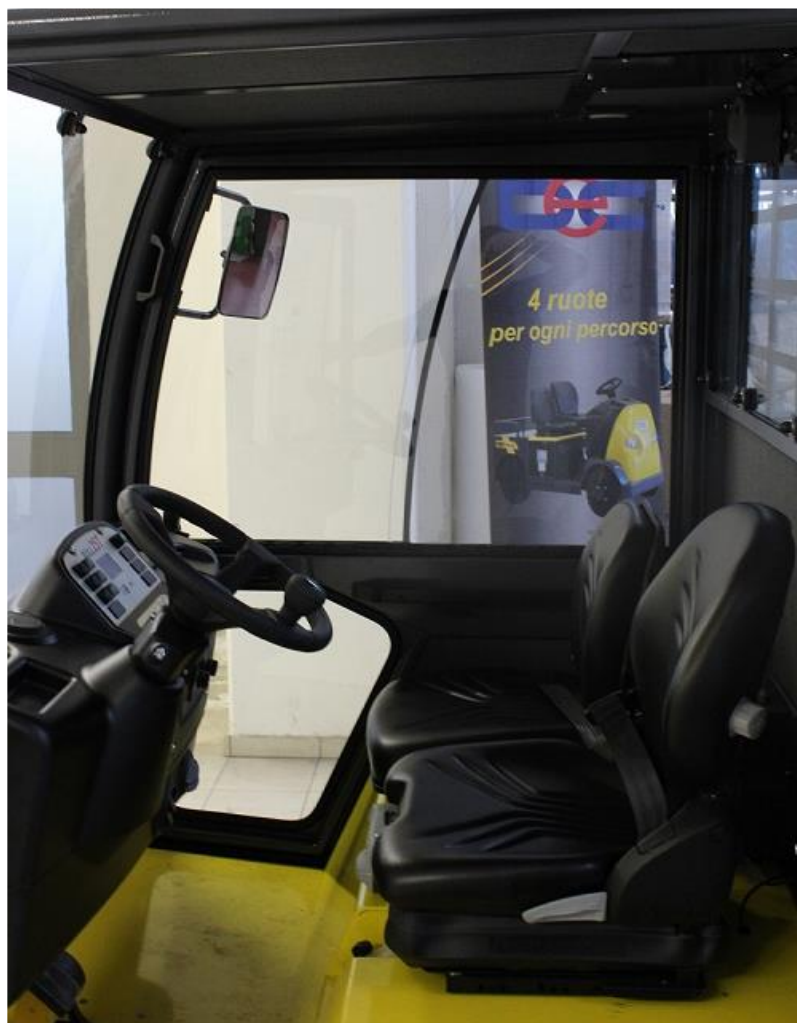


KG

25.0 t



1 x 80V / 620 Ah



BULL 25T





ELECTRIC TRACTORS

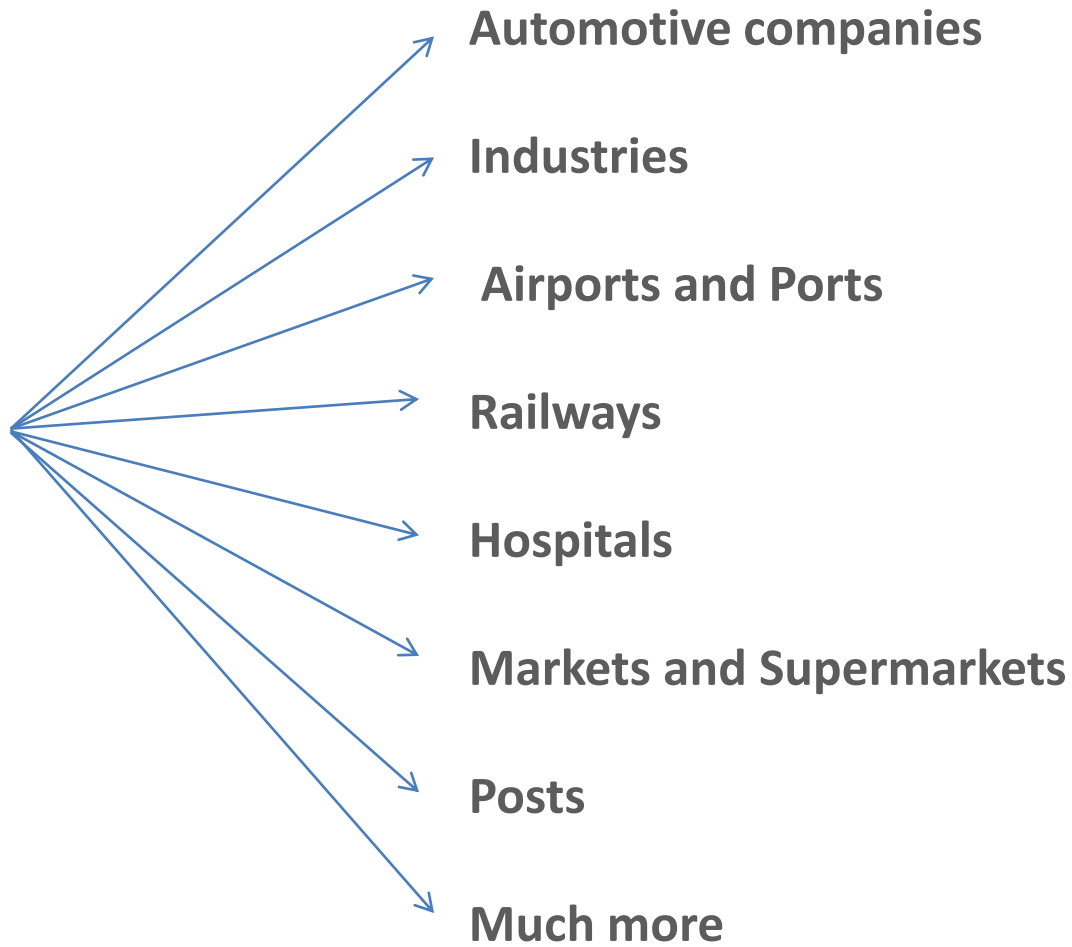
FIELDS OF APPLICATION

SCRUBBER DRYERS

DEC TRACTORS

FIELDS OF APPLICATION

Workplaces where electric tractors are more used

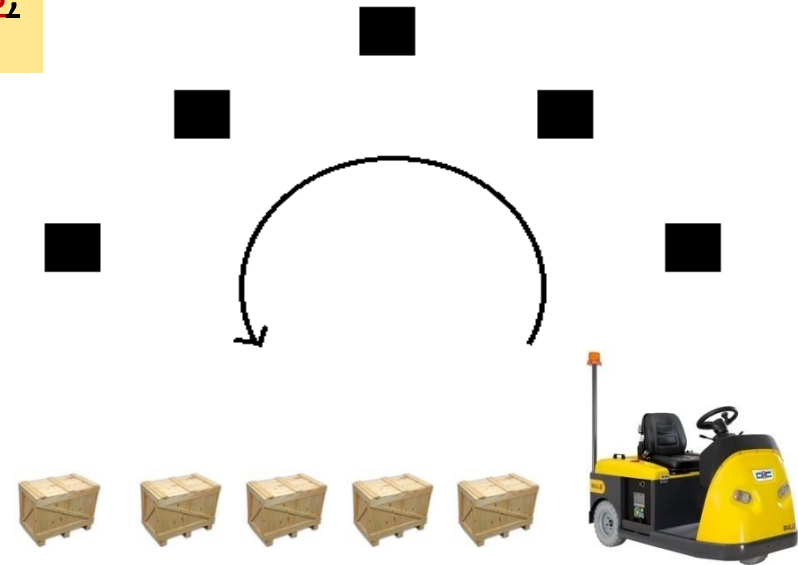


Example of a solution to speed up and optimize the supply of assembly lines from the warehouse and vice versa.

Operation that cannot be performed with forklifts,

**BEST SOLUTION TO
MANAGE MULTIPLE
STOCKING AREAS**

■ **Work station**



ELECTRIC TRACTORS



ELECTRIC TRACTORS

HOW TO CHOOSE DEC TRACTORS

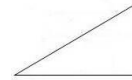
SCRUBBER DRYERS

HOW TO CHOOSE DEC TRACTORS

1. Maximun Weight ?



2. Maximun Gradeability ?



3. How many work hours per day ?



4. Floor type ?



5. Hook type ?



6. Trailer type ?



7. Suitable inside, outside or both ?

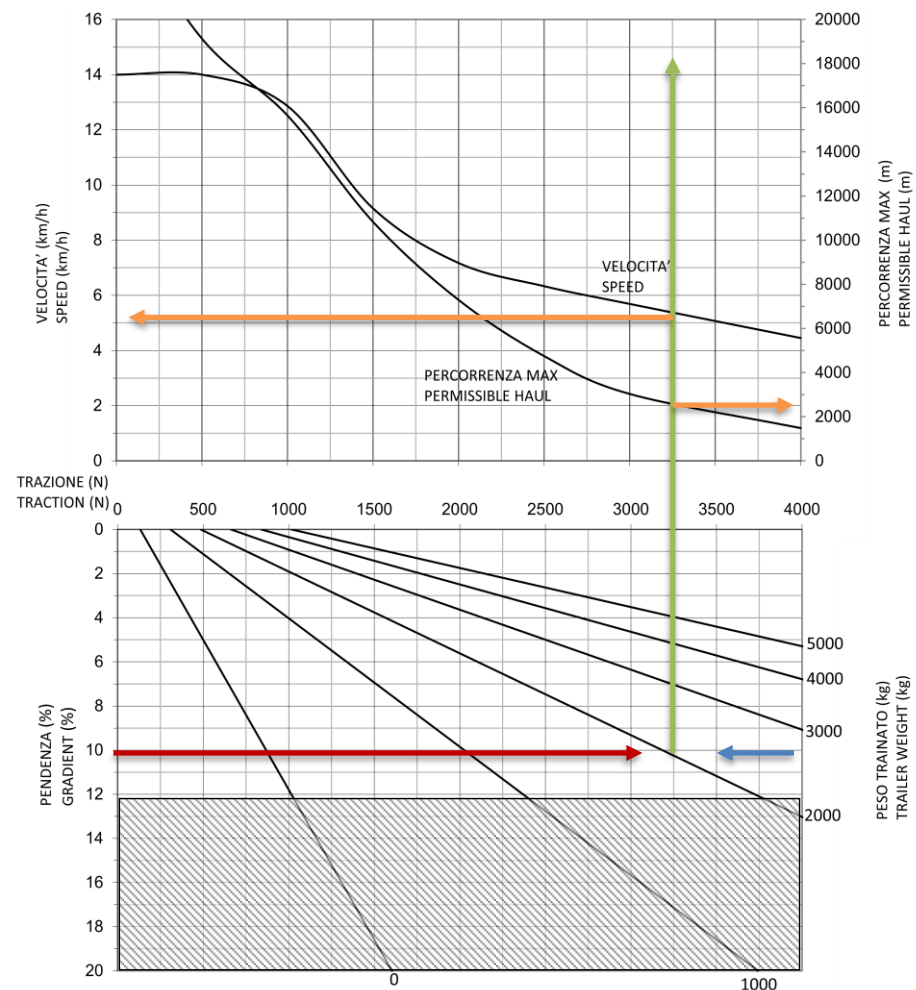


8. Man standing or man seated ?



Hot to choose
a tractor

BULL 5N



Weight : 2500 Kg.

Slope % : 10%

Slope length: 100 Mt

Si raccomanda l'utilizzo di rimorchi dotati di freni per carichi superiori a 2.0 t o per utilizzi su pendenze.
It is recommended to use trailers with brakes if the trailer weight is more than 2.0 t and for all trailer loads if there is travel on gradients.



ELECTRIC TRACTORS

CUSTOMIZATION

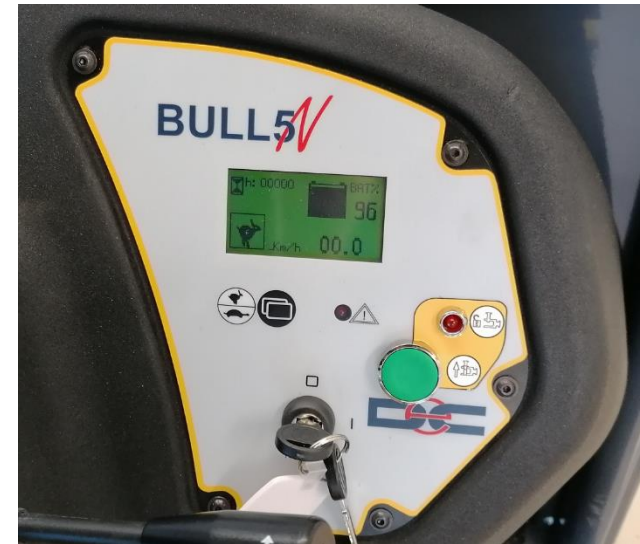
SCRUBBER DRYERS



Standard Hook
Multiple heights



Automatic hook
Fixed heights



Automatic hook
Electrical release
Man on Board





ELECTRIC TRACTORS

CUSTOMIZATION

SCRUBBER DRYERS

DEC TRACTORS CUSTOMIZATIONS

We have the solution for almost everything, almost ...



Double flashing lights :
RED means tractor turned ON
but no man on board
ORANGE means tractor turned ON
and operator seated on board



Antenna for UMTS and
data logger connection



Ignition by
Badge and Data
Logger Fleet
Magager



Windscreen



Metal Front
Protection



Front
Accessories
Holder





Standard Seat
Grammer B12



Security Belt



Option Seat
Grammer MSG 20



Security Belt
Retractor

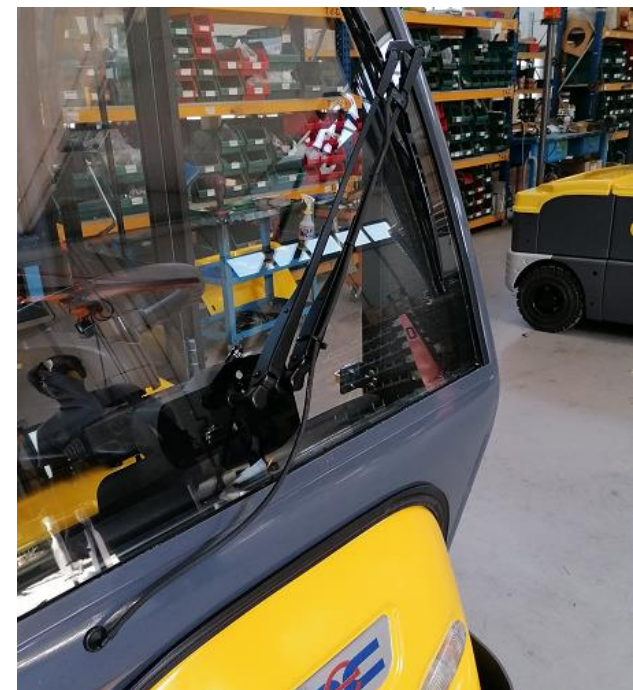




Heating Cabine

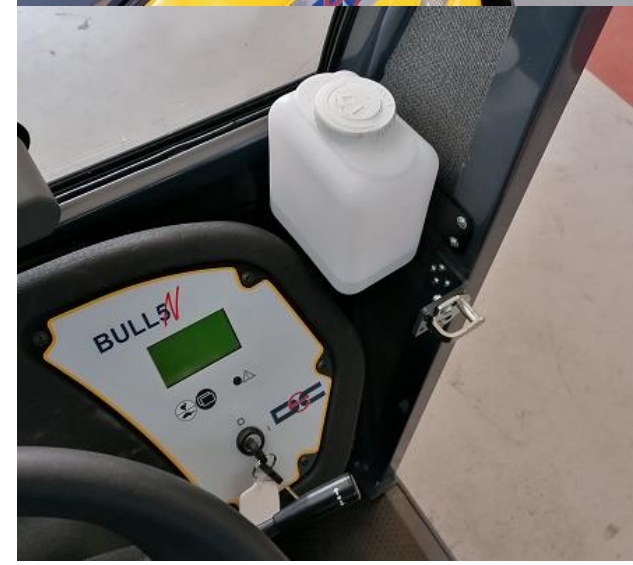


Blue light spot

Front Cabin
washer kit

Double flashing lights :
RED means tractor turned ON
but no man on board
ORANGE means tractor turned ON
and operator seated on board

Antenna for UMTS and
data logger connection





ELECTRIC TRACTORS

CUSTOMIZATION

SCRUBBER DRYERS





ELECTRIC TRACTORS

SECURITY DEVICES

SCRUBBER DRYERS

DEC SECURITY DEVICES

SECURITY DEVICES



Easy and intuitive controls



Security hook as battery blocker (for extraction and tip over)



INCHING:

Buttons for forward and backward translation. allow tractor's little movement in the desired direction with man standing on ground.



Parking Stop:
Electromechanical brake inhibitor



Anti-skid floor



Control circuit in AC and in 3° Category



Safety is very important to us,
we take this aspect seriously!!!