



**DIECI**

**AGRI TECH EV02**



# AGRI TECH

**THE MOST VERSATILE  
TELEHANDLER ON THE MARKET**

Maximum power at the wheels and at the boom, superb handling, precision manoeuvring, absolute comfort. Performance that only a telehandler can offer.

**Agri Tech** the only vehicle with front and rear axle locking, three-point lifting device, direct mechanical PTO, transverse engine and EVO2 dual motor vario system transmission.

New ecological and performing engines with the lowest fuel consumption in its class.

## THE TELEHANDLER THAT BECOMES A TRACTOR





**EVOLUTION**

**AGRI TECH**

**EVO 2**

**COMFORT**

**HI - TECHNOLOGY**

**GREEN CORE**



# WIDE RANGE

2 MODELS

VARIO SYSTEM EV02  
DUAL MOTOR

7 - 9 m

BOOM HEIGHT

3200 - 3500 Kg  
MAXIMUM CAPACITY

141 hp

AGRI TECH





## VARIO SYSTEM EVO 2 DUAL MOTOR

4 operating modes.

Allows you to always find the best possible speed/power ratio in any operating conditions, ensuring an unrivaled smoothness and fluidity of movement with millimetric precision.



### Agri Tech 35.7

141 hp  
7.0 m  
3500 kg  
VARIO SYSTEM EVO2

## Modular

Much more than a technological response to the specific needs of modern agriculture: more strength, more productivity, more comfort, more results. The most versatile of the entire Dieci agricultural range, from telehandler to tractor in a moment.

Agri Tech responds readily, precisely and smoothly to the controls, providing an exceptional level of operator comfort and total safety.



### Agri Tech 32.9

141 hp  
9.0 m  
3200 kg  
VARIO SYSTEM EVO2

## New engine with AdBlue

Stage 3B/Tier 4i of the latest generation with full electronic control and fuel consumption reduced by more than 20%.

Max power ratings of 141 hp available at 1900 rpm from the 4.5 liter propulsion units, capable of delivering all the available power to the new transmission to guarantee **maximum performance**.



# EVOLUTION

**40 Km/h**  
FOR RAPID TRANSFERS

**AXLE LOCKING**

**THREE-POINT  
LINKAGE**

**PTO**  
(POWER TAKE OFF)

**TRAILERS TOW**

**DCS**  
DESCENT CONTROL SYSTEM





### SPEED AND TOWING

40 km/h (limited by regulations) with **high tractive power**. Approved for road towing trailers up to 20 tonnes. **Powerful acceleration** and smooth driving in safe conditions.

### UNPARALLELED MANOEUVRABILITY

The use of the **VS** hydrostatic transmission, combined with the correct operating mode, allows easy, precise manoeuvring.

The combined use of the electronic throttle and inching pedal allow the vehicle to be driven at **slow, controlled speeds**, even with the boom at maximum speed.



### 3-POINT HITCH

Extremely practical three-point hitch that will allow you to use of all your equipment.

All the power of the Diesel engine available to the rear mechanical power take-off **PTO**.



### REAR - FRONT AXLE LOCKING

Maximum versatility for use in telehandler mode with locked front axle and maximum adaptability to the ground in tractor mode with locked rear axle.

### NEW DEVICE DCS Descent Control System

New servo-assisted valves allow the boom to be lowered at low revs and an instantaneous response to the controls.

A further **reduction in fuel consumption** of up to 10%.





**COMFORT**

**ROPS-FOPS**

**360°**

**VISIBILITY**

**ON-BOARD  
COMPUTER**

**A/C**

**AGRI TECH**





## ABSOLUTE COMFORT

It's the first thing you notice on board an Agri Tech. The intelligently designed control layout makes the machine simple, intuitive and comfortable to use.

Unparalleled technology with the new **on-board computer**.

The display shows clearly and in real time all the information necessary to operate the vehicle.

The **semi-automatic air conditioning system** with 7 outlet vents allows perfect air circulation inside the cabin. The openable roof hatch and rear window, standard on all models, allowing improved ventilation while working.



With the **widest** cab door on the market, accessing the driving position is easy and safe.

Inside the cab everything has been designed in order to make work easier for the operator.

Soundproofing, **adjustable steering wheel** in both height and reach, **electric windows**, storage compartments and a range of accessories including **air conditioning**, radio, «sunblind» and ergonomic seat with pneumatic suspension ensure total operator comfort.

The windscreen wiper also cleans the glass at the top of the cab.

A wide mesh safety grille and one of the highest driving positions in its class provide an unrivalled visibility of **360°**.



# HANDLING

EASY DUMPING

EASY RIDE

NEW  
JOYSTICK

AGILITY

INCHING PEDAL





## ALL THE CONTROLS IN ONE HAND

*with absolute precision.*

The 4-in-one joystick, standard equipment on all models, provides integrated control of the vehicle. The integral travel direction control allows rapid shuttling between forward and reverse. The compensated flow sharing control valve allows simultaneous operation of all movements. The **capacitive dead-man** and operator presence in the seat sensor, prevents accidental operation.

## EASY DUMPING

The ingenious **slewing** system is specially designed to increase the operating angle, which is particularly useful when dumping with the boom raised.



## STRENGTH AND AGILITY

The high-efficiency steering system has the **smallest turning circle in its class** and always feels **light and responsive**.

Steering mode change facilitated by the **self-aligning** wheels system.

**Plenty of power for handling very heavy loads** without compromising manoeuvrability.

## INCHING PEDAL

An essential control when the forward speed must be reduced or stopped, and maximum hydraulic power is required for the equipment in use.

The **servo-assisted service brake** ensures safe and modulated braking, while reducing stress on the pedal.

## EASY RIDE

Developed by Dieci design engineers, the sophisticated air suspension system installed on the boom (optional) drastically reduces oscillation when traveling over rough terrain.



# GREEN CORE

- 20%  
FUEL  
CONSUMPTION

TFT DISPLAY  
USER INTERFACE

SCR

(SELECTIVE CATALYST REDUCTION)

STAGE 3B / Tier 4i  
NEW ENGINES





## On-board computer

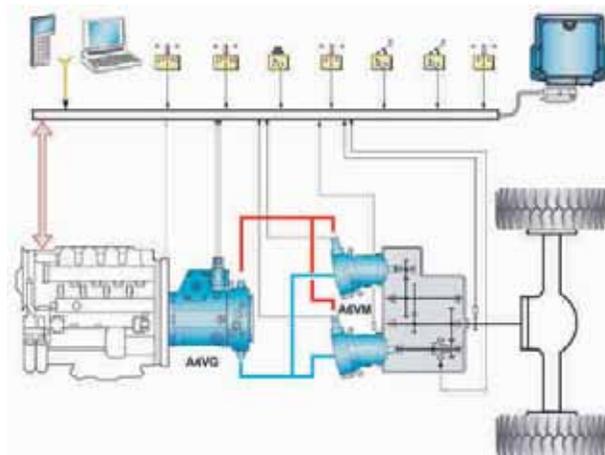
Advanced instrumentation with a **large color display** and intuitive icon-based interface provides more comprehensive and detailed information.

All machine functions are managed via the **CANBUS system**, which provides an improved response in rapid time.

Constant monitoring of operating conditions and in-depth diagnostics using real-time data.

Exceptional performance from the new FPT engines with full electronic control and power output up to 141 hp, in full compliance with STAGE 3B/Tier 4i emission regulations.

The engine and transmission integrated electronic control provides **20% fuel saving and relative reduction of CO<sub>2</sub> emissions**, with almost total reduction of NO<sub>x</sub>.

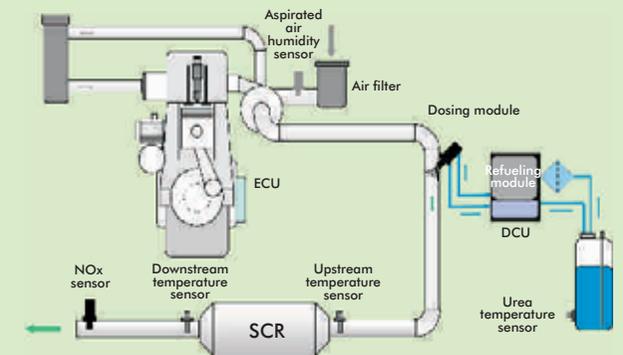


## DIECI FOR THE ENVIRONMENT

*A leap forward into a cleaner, more sustainable future.*

Dieci has chosen full electronic management of fuel injection, turbo pressure, torque, engine rpm, engine brake, starter safety release, monitoring, diagnostics and the **SCR (AdBlue) system** for the treatment of exhaust emissions.

**Improved performance, reduced fuel consumption**, less contamination of the engine oil, longer intervals between services and a durable SCR system, which will last at least as long as the engine.



**VS EVO 2**

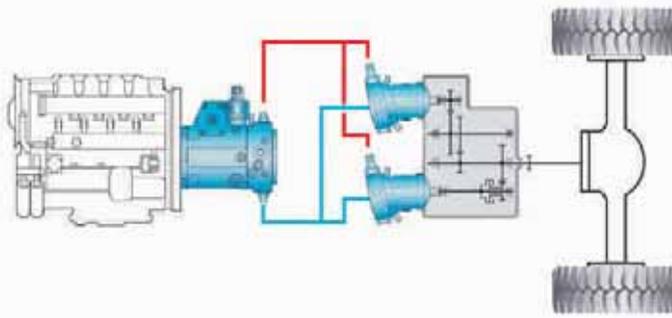
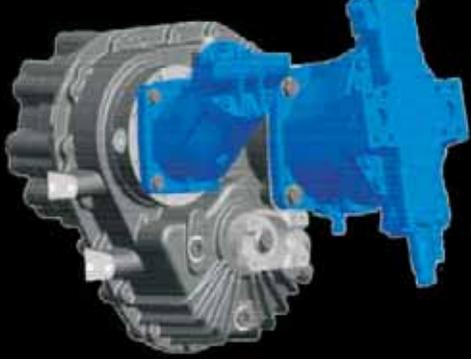
**LOADER**

**ECO**

**CREEPER**

**NORMAL**





## VS EVO 2 DUAL MOTOR

An ingenious way to fully exploit all the horsepower made available by the generous performance of the propulsion unit.

The hydrostatic pump combined with two hydraulic piston motors forms the heart of the transmission.

The electronic control system that manages power delivery disconnects one of the motors on reaching high speeds, while maintaining the power delivered to the wheels unchanged, thereby **reducing fuel consumption by as much as 20%**.



## 4 OPERATING MODES

The best performance in all work situations.

**NORMAL:** suitable for road transfers, with a top speed of 40 km/h and superior towing capacity.

**ECO:** the perfect way to obtain considerable fuel savings.

**LOADER:** ideal per loading and bucket work, providing greater controls sensitivity so that power can be delivered safely to the equipment, for a reduced top speed.

**CREEPER:** developed specifically for the mechanical PTO use. When the forward speed varies, the PTO speed remains constant.



# TECHNOLOGY

**CAMERA**

**QUICK DEP**

**3-POINT  
HITCH**

**COMPENSATION  
CYLINDER**

**REVERSIBLE FAN**

**170 l/min.**

AGRI TECH





## MECHANICAL PTO

All the engine power is transferred to the power take-off by a mechanical bevel gearbox without reducing performance. Two rotation speeds 540 or 1000 rpm.



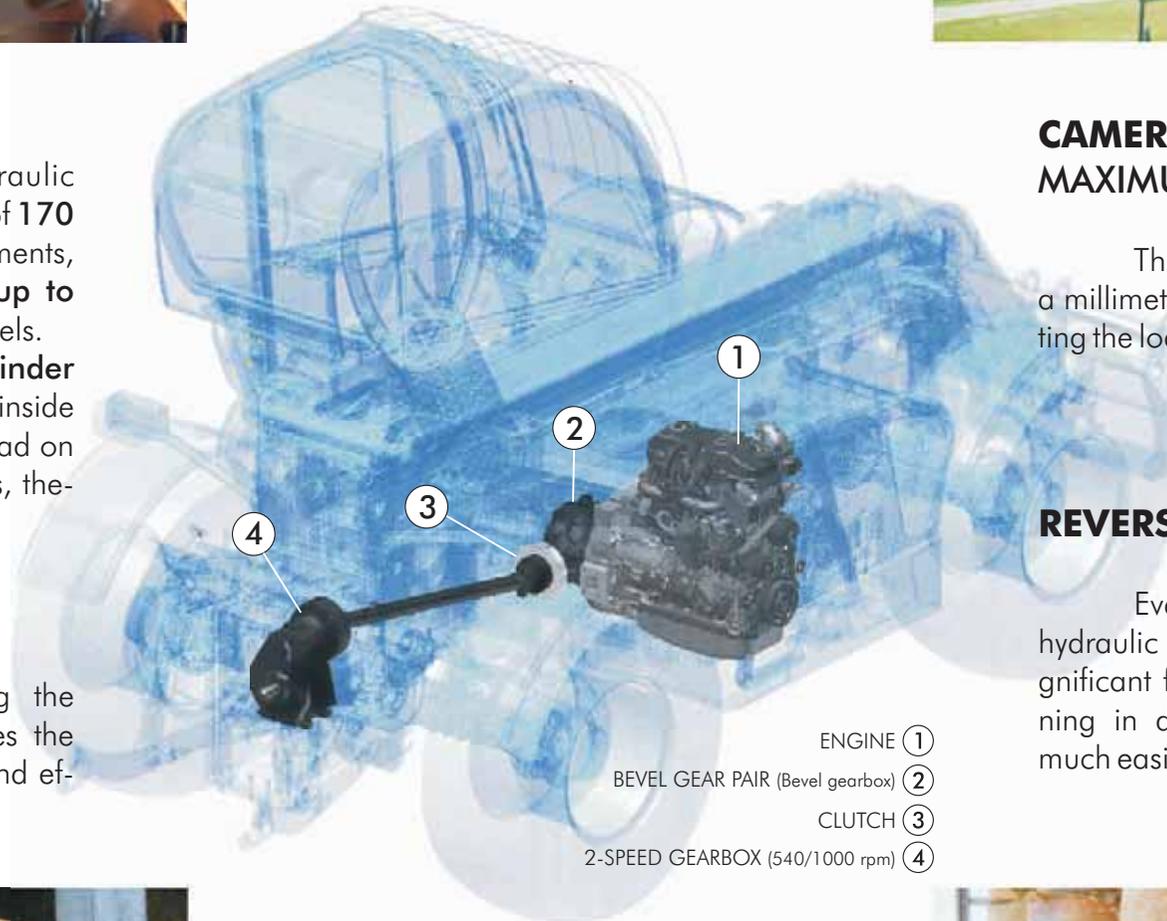
## HYDRAULIC SYSTEM

The high-capacity hydraulic pump, which provides a flow rate of **170 l/1'**, helps speed up boom movements, **reducing operating times by up to 25%** compared with previous models.

The **compensation cylinder (PATENTED BY DIECI)**, located inside the lifting ram, ensures that the load on the boom is balanced at all times, thereby improving durability.

## QUICK DEP

System for depressurising the hydraulic service couplers: makes the connection of implements easy and effortless.



ENGINE ①

BEVEL GEAR PAIR (Bevel gearbox) ②

CLUTCH ③

2-SPEED GEARBOX (540/1000 rpm) ④

## CAMERA MAXIMUM CONTROL

The cameras (optional) provide a millimetric view on the screen facilitating the load and movement operations.

## REVERSIBLE FANS

Every radiator can be equipped hydraulic reversible fans which allow significant fuel savings and makes cleaning in dusty and dirty environments much easier and quicker.



## 3-POINT HITCH

Lifting hitch with force and position electronic control. Anti dumping function to work in fully safe conditions.



**SAFETY**

**ROPS-FOPS**

**CHASSIS**

**TRANSVERSE  
LEVELING**

**MOMENT  
LIMITER**





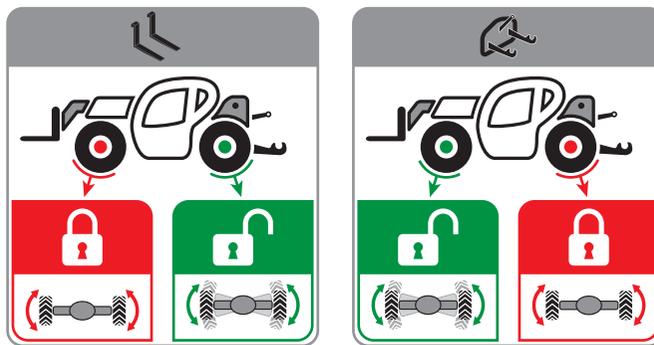
## ANTI-TIPPING DEVICE

Every Dieci machine is equipped with a moment limiter that analyzes vehicle stability in real time and inhibits any aggravating movements when the pre-set safety limits are reached.

The **transverse leveling** device (optional) for inclination angles of up to  $\pm 10^\circ$ , means you can work in total peace of mind, even on rough ground.

## MAXIMUM ADHERENCE

The **automatic front or rear axle locking**, provided as standard, guarantees total stability in both tractor and telehandler work modes.

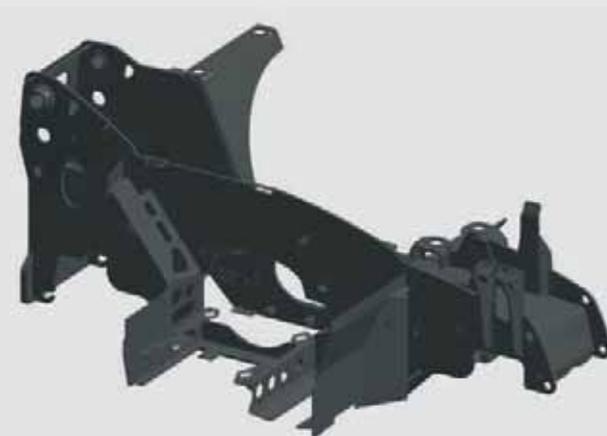


**ROPS-FOPS** approved cab designed with safety cell to prevent deformation in the event of vehicle overturn or a heavy load falling on the cab.

## STURDY CHASSIS

The chassis is one of the defining characteristics of the Agri Max; all welds are performed by automated robots to ensure rigidity and total safety, even under high-stress conditions.

The machine is thus totally **free of vibration and flexure**.



# MADE IN ITALY



# FOR THE WORLD

**DIECI**, with more than half a century of experience and continuous development, achieves the **perfect vehicle** for every need.

Our **Technical Assistance Service** maintains a world-wide presence through an **extensive network** of authorized service centers and dealers. The automated spare parts warehouses and the direct assistance with the user, provide a very short time of intervention.

**DIECE SERVICE**, within a few hours, can provide worldwide both spare parts and qualified staff.

## **Warranty**

DIECI offers customized warranty extension packs for components and durability.



# TECHNICAL SPECIFICATIONS

PERFORMANCE	35.7 VS	32.9 VS
Maximum capacity (kg)	3.500	3.200
Maximum lifting height (m)	7,00	9,00
Maximum horizontal outreach (m)	3,83	6,04
Outreach at maximum height (m)	0,53	1,36
Fork swiveling angle	146°	146°
Pull-out force (daN)	5.400	5.400
Towing force (daN)	8.200	8.200
Maximum climb angle	60%	60%
Total weight when empty (kg)	7.800	8.000
Maximum speed (km/h)*	40	40

\* referred to wheels having the maximum allowable diameter

BOOM	35.7 VS	32.9 VS
Times: empty (seconds)		
Lifting	7,1	7,1
Descent	4,2	4,2
Extension	4,9	6,8
Retraction	2,7	4,7
Forward swiveling	2,4	2,4
Reverse swiveling	1,3	1,3

Patented compensation system / Standard speed supplement

DIMENSIONS	35.7 VS	32.9 VS
A/A*/A**	390 / 430* / 450**	390 / 430* / 450**
B	1490	1490
C	2800	2800
D	1260	1260
E/E*/E**	4730 / 4765* / 4800**	4730 / 4765* / 4800**
F	5550	5550
G	940	940
H/H*/H**	2500 / 2540* / 2560**	2500 / 2540* / 2560**
I	1820 / 1820* / 1920**	1820 / 1820* / 1920**
L	2400 / 2400* / 2430**	2400 / 2400* / 2430**
M	3940	3940
N	1340	1340
O	3780	3780

dimensions in millimeters - (\*) - (\*\*) = Dimensions refer to optional wheels

ENGINE	
Model	FPT
Nominal power at 2200 rpm kW (hp)	96 (130)
Peak power at 1900 rpm kW (hp)	105 (141)
Revolutions per minute (rpm)	2200
Operation	4-stroke Diesel
Injection	Electronic Direct, Common Rail
Number and arrangement of cylinders	4, vertical in line
Displacement (cm3)	4500
Specific consumption at 1900 rpm (g/kWh)*	208
Emission standard	Stage 3B/Tier 4i
	Turbo compressor After-cooler
* at maximum power	Liquid-cooling system

HYDRAULIC SYSTEM	
Gear pump with max. capacity (l/1')	170
Max operating pressure (bar)	240
Distributor control with joystick	4 in 1 electro-proportional

DIFFERENTIAL AXLES
Steering axles: 2, with planetary reduction gears
Type of steering: 4 wheels / transversal / 2 wheels
Front axle: leveling
Rear axle: oscillating
Service braking: oil bath on the 4 wheels and servobrake
Negative action parking brake

REFUELING (liters)	
Hydraulic system (total)	120
Diesel tank	125
AdBlue tank	27

TOWING CAPABILITY (on request)	
Unbraked trailer (t):	6
Inertia braking (t):	9
Mechanical braking (t):	6
Hydraulic/air braking (t):	20

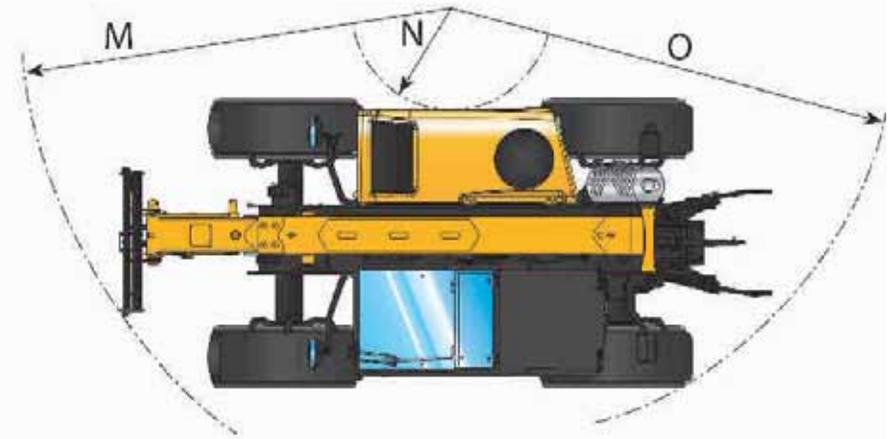
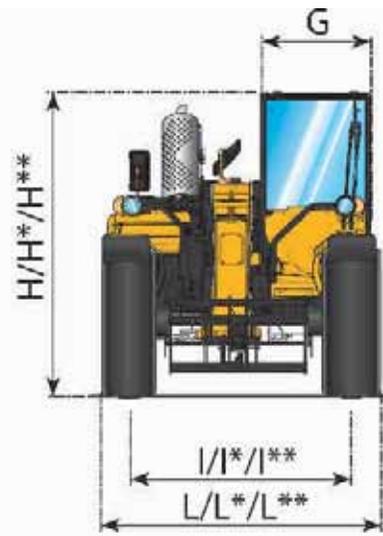
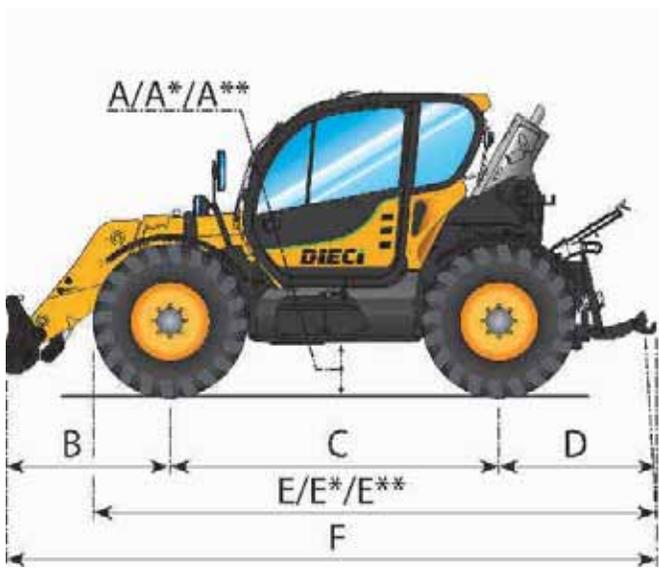
REAR LIFT (on request)	
Electronic control with position, draft, floating and anti-dumping control function	
Lifting capacity:	Cat. 2 - 4000 Kg
Rear distributors:	3 (on request)

OPTIONALS AND ACCESSORIES
A/C
Water Heaters
Radio with CD player
Rear hydraulic socket
Rear hitch, adjustable in height
Pneumatic braking
Hydraulic braking
Automatic reversible fan
Boom suspension
Type approved as agricultural tractor
Type-approval towing hitch (max 20 t)
LED light on boom head
LED work light
Hy-efficiency cyclonic filter

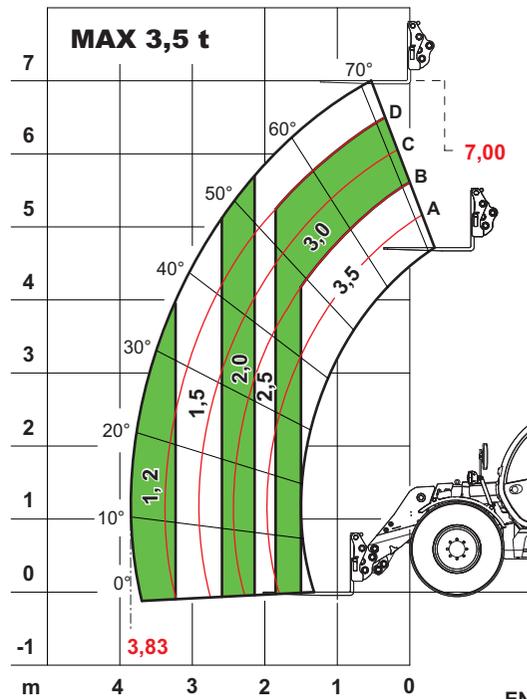
TRANSMISSION
Vario System EVO 2 hydrostatic transmission
Electro-hydraulic reversing
Drive Mode: Automotive / Loader / Creeper / Eco
Electronic inching pedal

STANDARD EQUIPMENT
Anti-tipping device with inhibition of aggravating movements
Hydraulic coupler for accessories on boom head
Soundproofed, type-approved ROPS - FOPS enclosed cab, with heating
Self-locking differential on front axle (limited slip 45%)
Electric steering control
Electric windows
Hydraulic leveling
Color LCD screen
Grid heater

TIRES	35.7 VS	32.9 VS
Tires	405/70x24"	405/70x24"
*Alternative	17.5LR24"	17.5LR24"
**Alternative	500/70R24"	500/70R24"
**Alternative	500/70R24"	500/70R24"
*Alternative	18R22.5"	18R22.5"
*Alternative	18-22.5"	18-22.5"

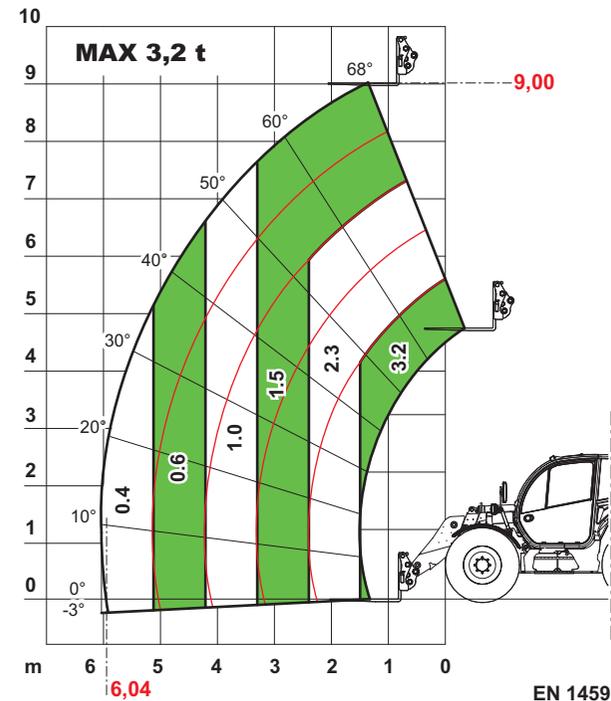


(\*) - (\*\*) = Dimensions refer to optional wheels



EN 1459

Agri Tech 35.7 VS



EN 1459

Agri Tech 32.9 VS

