DIECI

AGRI PIVOT

AGRI PIVOT

THE MOST VERSATILE

The articulated vehicle with **great capacity** and telescopic boom that can meet every need.

Great agility, precise movements, excellent visibility, maximum power to the wheels and to the boom, absolute comfort: are just some of the reasons that make **Agri Pivot** essential.

The new generation, high performance ecological engines, with fully electronic control, deliver all the power you need with the lowest consumption of its category.


PIVOT
HI - TECHNOLOGY
COMFORT
EVOLUTION
GREEN CORE
AGRI PIVOT

COMPACT LINE

4 - 4.72 m
LOADING HEIGHT

1800 - 2250 Kg
MAXIMUM CAPACITY

50 - 68 - 75 hp
3 POSSIBLE ENGINE SIZES

Agri Pivot T 40
50 hp
3.07 - 4.00 m
capacity 1800 -1250 kg
mass 4950 kg

Agri Pivot T 50
68 hp
3.43 - 4.46 m
capacity 2200 -1300 kg
mass 5470 kg

Agri Pivot T 60
75 hp
3.55 - 4.72 m
capacity 2250 -1300 kg
mass 6020 kg

RELIABLE AND PRODUCTIVE!

6 models, a wide range of dedicated high quality attachments and components ensure a high performing level in all working conditions.

Compact Flexible and Powerful.

All equipped with cutting-edge Intuitive technologies and large control display that provides all the operational information in real time. **Great performance for Great Results.**

CONCEPT

Hydrostatic transmission, central double-joint articulation with total steering angle of 80°, oscillating rear axle with a total range of 25°, large output angle (>30°) and moment limiter make

Agri Pivot T 70
115 hp
3.75 - 5.00 m
capacity 3000 -1650 kg
mass 7150 kg

Agri Pivot T 80
140 hp
3.86 - 5.20 m
capacity 3500 -2000 kg
mass 8000 kg

Agri Pivot T 90
154 hp
4.60 - 6.00 m
capacity 4000 - 2250 kg
mass 9000 kg

Agri Pivot an extremely handy, reliable and safe machine.

Possibility of coupling different accessories (engine) for the same model.

DPF and SCR **engines** with AdBlue

Fuel consumption is drastically reduced thanks to the new engines of latest generation, with fully electronic control.

The adoption of the latest exhaust gases treatment technologies such as **DPF** and **SCR** with **AdBlue** allow Agri Pivot to comply with the restrictive anti-pollution standards **Stage 3A - 3B/Tier 4i - Stage 4/Tier 4 Final.**


EVOLUTION
40 Km/h
FAST MOVEMENTS
PIVOT SYSTEM
AGRI PIVOT
FULL TRACTION
CONTROL
VERSATILITY
INCHING
PEDAL

SPEED

Up to 40 km/h (limited by regulations) with high **tractive power. Rapid acceleration** and maneuvering in total safety.

PIVOT SYSTEM

The ingenious two-pin articulation system gives Agri Pivot exceptional stability and robustness.

This particular solution also protects wiring and drive shaft inside the joint from accidental impact.

INCHING PEDAL

An essential control when movements must be slowed right down 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.

FULL TRACTION CONTROL

The innovative electronic engine/transmission control system allows **progressive speed control in all working conditions.**

ISO 24410 UNIVERSAL MOUNTING FRAME

Available as an option, in mechanical or hydraulic version, it is used to achieve full interchangeability of all the attachments normally used for Skid Loaders (models T40 T50 T60 only).

>30° OUTPUT ANGLE

There are no obstacles. In earth moving and off-road operations, the **LARGE >30°** output angle makes the Agri Pivot unstoppable.

COMFORT

ROPS-FOPS

360°
VISIBILITY

ON-BOARD
COMPUTER

A/C

ABSOLUTE COMFORT

It's the first thing you notice on board an Agri Pivot. 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 climate control** with 7 air vents, the sunroof and the total or partial opening of the 2 doors allow better ventilation during work.

The two large doors with 180° opening, makes it easier and safer to access the driver's seat.

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

Soundproofing, **adjustable steering** wheel height and depth, storage compartments and various accessories such as radio, sunshade and pneumatic ergonomic seat allow to operate in conditions of total comfort.

The front curved glass, the windscreen wiper that cleans the upper section, the large glass surfaces and the raised driver's seat contribute to achieve an unparalleled **360°** view also with raised boom.

HANDLING

EASY RIDE

NEW JOYSTICK

TURNING RADIUS

EASY DUMPING

AGILITY

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 reversing control (optional) allows rapid shuttling between forward and reverse.

The compensated flow sharing control valve allows simultaneous operation of all movements.

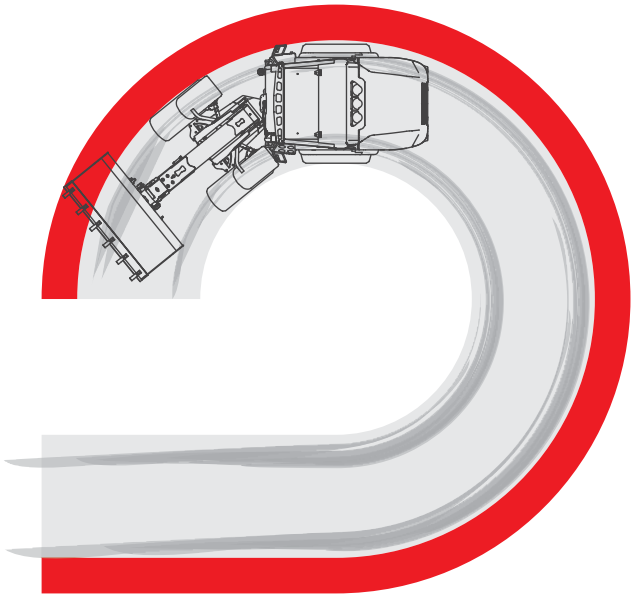
EASY DUMPING

The exclusive and compact **swivel** mechanism, specifically designed to increase the service angle, is particularly valuable when recalling the bucket to the ground and unloading at maximum height.

FOOTPRINT DIMENSIONS = VEHICLE DIMENSIONS

The central articulation system is craftily and smartly designed by **DIECI** engineers as it allows excellent control by the operator when maneuvering.

The machine footprint is always determined by the front or rear wheels, ensuring that the operator will never hit obstacles with the vehicle rear when operating.



AGILITY

The high-efficiency steering system ensures that even under high load conditions the steering always feels **light and responsive.**

The steering is performed by 2 hydraulic cylinders that make the maneuver uniform and compact in the two directions.

EASY RIDE

Developed by **DIECI** design engineers, the sophisticated pneumo-hydraulic suspension system installed on the boom (optional) drastically reduces oscillation when traveling over rough terrain.


GREEN CORE
- 20%
FUEL
CONSUMPTION
SCR
(SELECTIVE CATALYST REDUCTION)
DPF
(DIESEL PARTICULATE FILTER)
STAGE 3A
STAGE 3B/Tier 4i
STAGE 4 /Tier 4 Final
NEW ENGINES
AGRI PIVOT

Stage 3A **ENGINES:**

Upon request on T50 and T60 models, for markets that do not need to comply with the latest anti-pollution regulations.

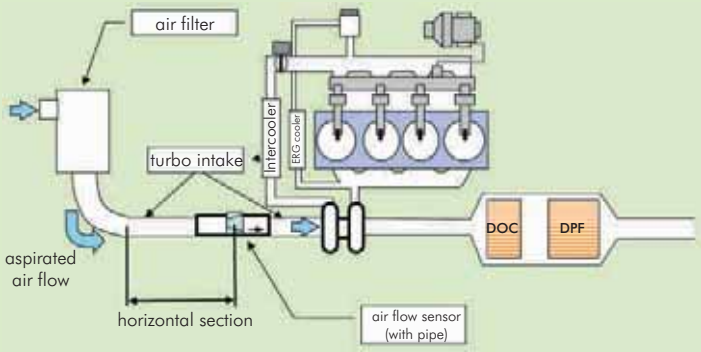
Stage 3B/Tier 4i **ENGINES**

Turbo Diesel Aftercooler Engines Common Rail with fully electronic control.

Significant reduction in fuel consumption and longer intervals between services.

Stage 4/Tier4 final **ENGINES:**

Updated with the latest regulations, reduced emissions up to 90% due to particulate removal and 50% less nitrogen oxides.

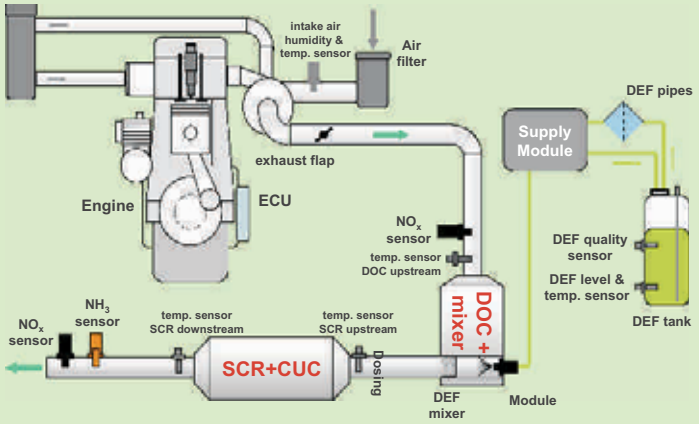


DIECI FOR THE ENVIRONMENT

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) or DPF** system for the treatment of exhaust emissions.

Enhanced performance, lower fuel consumption, reduced engine oil contamination and longer intervals between services.




PIVOT
SYSTEM
CENTRAL BOOM
REAR
OSCILLATING
AXLE
DOUBLE-PIN
ARTICULATED
JOINT
FLAT BOTTOM
AGRI PIVOT

PIVOT SYSTEM

Exceptional result obtained by the staff of Dieci engineers for the central double-joint articulation with 80° steering angle.

Two joints with high resistance, grease lubricated pins and bushings, and guarantee of perfect seal with LONG LIFE gaskets.

Incredible robustness: even in extreme situations the joint does not undergo deformation. Flat bottom and drive shaft positioned within the joint allow the operator to work any terrain in total peace of mind.

REAR OSCILLATING AXLE

This system allows the perfect adaptability to any type of terrain, always ensuring four support points and maintaining maximum lateral stability as on a flat ground.

Rear oscillating axle, >30° output angle, boom in central position and with the many stability sensors it is possible to operate in extreme conditions in total safety.

TECHNOLOGY


65 - 140 l/l'
CAMERA
QUICK DEP
AGRI PIVOT
1000 HOURS
LONG LIFE PINS

HYDRAULIC SYSTEM

The new hydraulic pumps, with flow rate from 65 to 140 l/1', ensure greater speed of execution of the maneuvers and processing times **reduction up to 20%.**

QUICK DEP

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

MAINTENANCE

All the available spaces are properly exploited to house the fuel and AdBlue tanks in a safe and accessible position.

Routine maintenance to the engine is facilitated by the hinged hood.

LONG LIFE PINS

All pins and bushings inserted at the junction points of the Pivot are lubricated with grease and sealed by LONG LIFE gaskets.

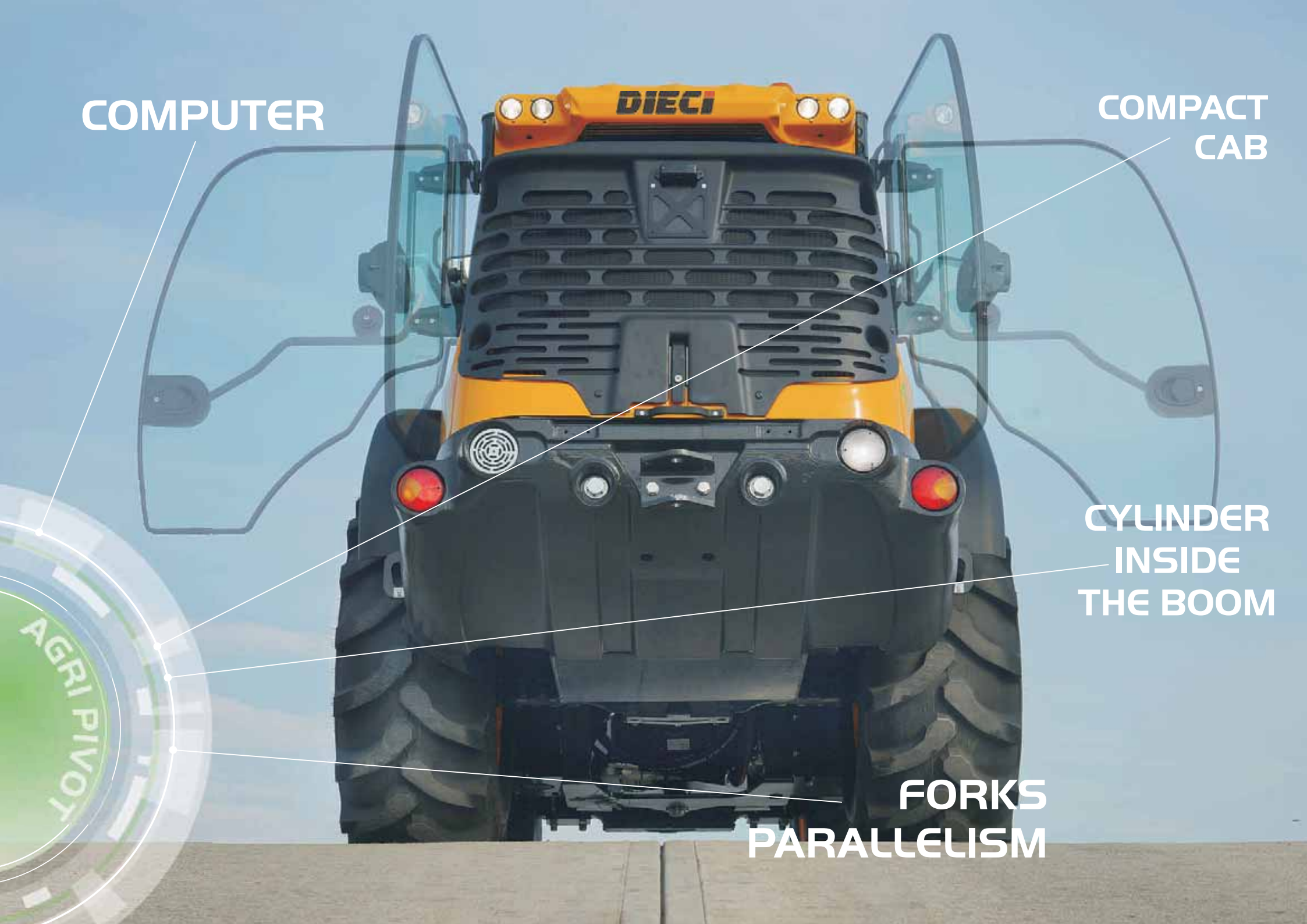
CAMERA
MAXIMUM CONTROL

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

1000 HOURS

Engine oil replacement every 500 hours and periodic maintenance for all components such as filters and moving parts every 1000 hours.

Longer work cycles, less stops, **greater productivity.**


COMPUTER
COMPACT CAB
CYLINDER INSIDE THE BOOM
FORKS PARALLELISM
AGRI PIVOT

ON-BOARD COMPUTER

Advanced instrumentation with a large display and intuitive icon-based interface that provides comprehensive and detailed information. Constant monitoring of operating conditions and in-depth diagnostics using real-time data.

ATTACHMENTS PARALLELISM

The compensation system allows to automatically maintain the attachments parallel to the ground during the boom lifting and lowering operations.

POWER INSIDE

The boom positioned centrally with respect to the machine and the extension cylinder arrange inside it ensure better visibility, without risk of accidental impacts.

COMPACT CAB

The DIECI research and development department designed the lowest cab of the category keeping the driving seat in raised position and obtaining the perfect combination of visibility and compactness.


SAFETY
ROPS-FOPS
ANTI-TIPPING
SYSTEM
DIECI

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, with a strong visual impact, unmistakably characterizes Agri Pivot Dieci, the **oversized** structure confers rigidity and total safety even under the most stressful conditions.

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

ANTI-TIPPING SYSTEM

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

Hydraulic servo brake as standard on all models to assist the vehicle stopping in the most extreme conditions.

The **Joystick** is equipped with a **capacitive deadman sensor** which, combined with the operator presence sensor in the seat, prevents accidental operation.

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.

DIECI, within a few hours, can provide worldwide both spare parts and qualified staff.

Warranty

DIECI offers customized warranty extension packs for components and durability.

COMPACT LINE

TECHNICAL SPECIFICATIONS

PERFORMANCE	T40	T50	T60
Operating load with standard bucket and quick coupling (kg)	4950	5470	6020
Standard bucket capacity (m3)	0,75	0,85	0,95
Pull-out force (daN)	4075	4550	4800
Maximum climb angle	60%	70%	80%
Breakout force (daN)	3400	4200	4700
Maximum speed (km/h)	22	30	30 (40 Opt)

BOOM	T40	T50	T60
Times: (in seconds)			
Lifting	7,3	5,0	5,2
Descent	3,8	2,7	2,8
Extension	2,5	2,3	2,4
Retraction	1,4	1,1	1,3
Swivel (Recall)	2,2	1,9	1,8
Swivel (Unloading)	1,6	1,3	1,3
Patented compensation system			

HYDRAULIC SYSTEM	T40	T50	T60
Gear pump with max. capacity (l/1')	65	98	102
Max operating pressure (bar)	260	260	260

TRANSMISSION	T40	T50	T60 Standard	T60 Optional
Hydrostatic transmission with variable displacement pump and hydrostatic engine with automatic adjustment	•	•	•	•
Number of speeds, forward-reverse	2-2	2-2	2-2	4-4
Servo controlled 2-speed gearbox	No	No	No	•
Inching pedal for controlled forward movement	•	•	•	•

TIRES	T40	T50	T60
Tires	12.5 - 18	14.5 - 20	405/70 - 20
Alternative	365/70R18	405/70R20	420/75R20
Alternative	405/70R18	500/45 - 20	500/45 - 20
Alternative	500/45 - 20	600/40 - 22,5	600/40 - 22,5

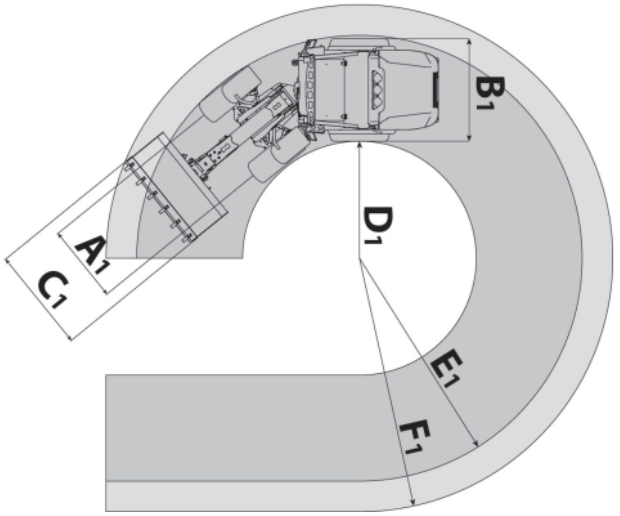
ENGINE	T40	T50	T60
Brand	Kubota	Kubota	Kubota
Maximum power kW (hp)	36,5 (50)	51,5 (69)	55,4 (74,3)
Speed setting (rpm)	2700	2500	2600
Operation	4-stroke Diesel	4-stroke Diesel	
Injection	Direct mechanical	Direct Electronic	
Number and arrangement of cylinders	4, vertical in line	4, vertical in line	
Displacement (cm3)	2615	2615	3331
Specific consumption (g/kWh)	235	230	247
Intake	Natural	Turbo compressor	Turbo compressor
Cooling system	Liquid	Liquid	Liquid
Starting VOLTS	12	12	12
* at maximum power	Stage 4 / Tier 4 final	Stage 3B / Tier 4i	Stage 3B / Tier 4i

ENGINE (World version)	T50	T60
	Yanmar	Yanmar
	50 (68)	55 (75)
	2500	2500
	4-stroke Diesel	
	Direct Electronic	
	4, vertical in line	
	3319	3319
	248	254
	Natural	Turbo compressor
	Liquid	Liquid
	12	12
	Stage 3A / Tier 3	Stage 3A / Tier 3

DIFFERENTIAL AXLES - STEERING	T40	T50	T60
Rigid axles: 2, with planetary reduction gears	•	•	•
Front axle ixed to the frame	•	•	•
Oscillating rear axle with total range	25°	25°	25°
Service brake in oil bath on the front servo controlled axle	•	•	•
Negative action parking brake	•	•	•
Articulated frame steering, total steering angle	80°	80°	80°
Servo controlled steering through hydraulic power steering (Load Sensing)	•	•	•

REFUELING (liters)			
Hydraulic system (total)	70	78	80
Diesel tank	75	100	100

DIMENSIONS	T40	T50	T60
A1	1350	1430	1430
B1	1675	1880	1880
C1	1700	1900	2000
D1	2120	2060	2060
E1	3830	4010	4010
F1	4370	4570	4670
Dimensions in millimeters			

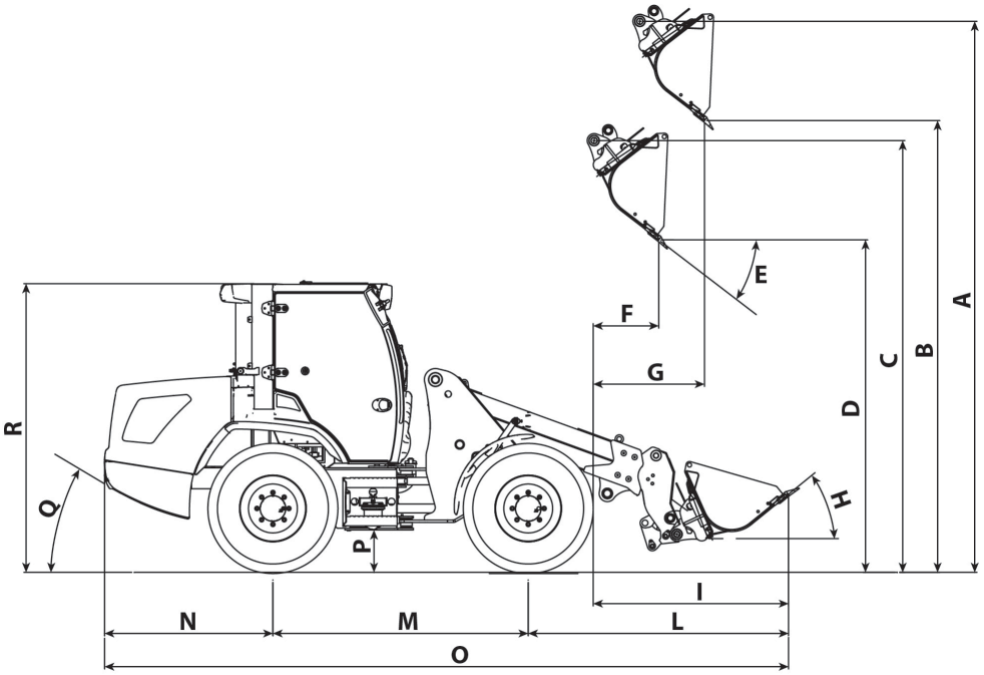


DIMENSIONS	T40	T50	T60
A	4315	4745	5010
B	3460	3890	4155
C	3405	3720	3840
D	2550	2860	2990
E	40°	40°	40°
F	435	565	610
G	785	960	1060
H	40°	40°	40°
I	1605	1680	1805
L	2100	2240	2365
M	2150	2200	2200
N	1400	1450	1450
O	5650	5890	6015
P	300	365	356
Q	30°	31°	31°
R	2420	2490	2490

Dimensions in millimeters

PERFORMANCE	T40	T50	T60
Tipping load with aligned machine (retracted boom) (Kg)	3600	3850	4050
Tipping load in max articulated position (retracted boom) (Kg)	3200	3400	3575
Tipping load with aligned machine (extended boom) (Kg)	2100	2450	2350
Tipping load in max articulated position (extended boom) (Kg)	1850	2000	2050

Data for machines with quick coupling



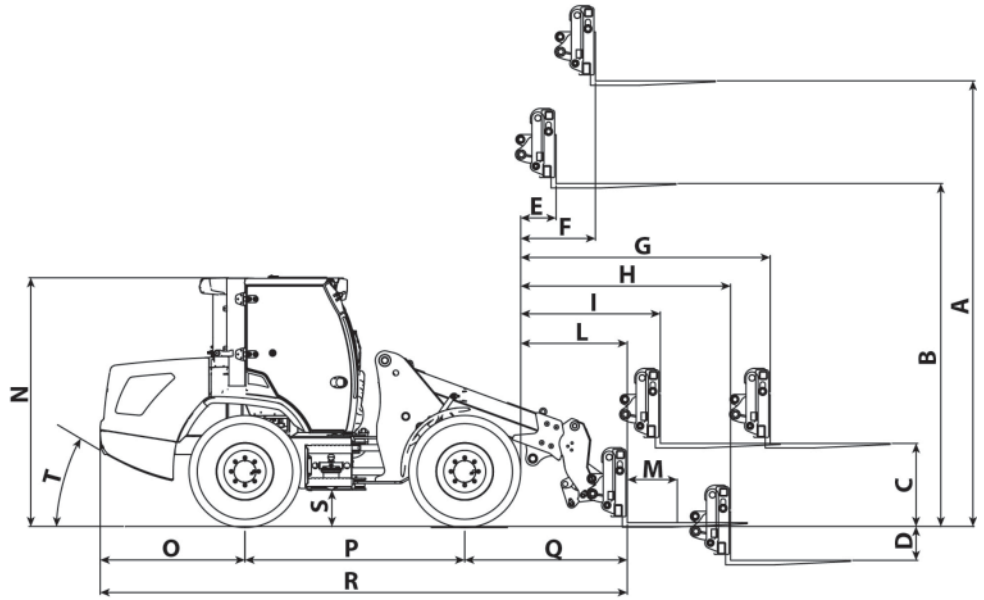
Due to constant evolution and research, specifications and images are subject to change without notice.

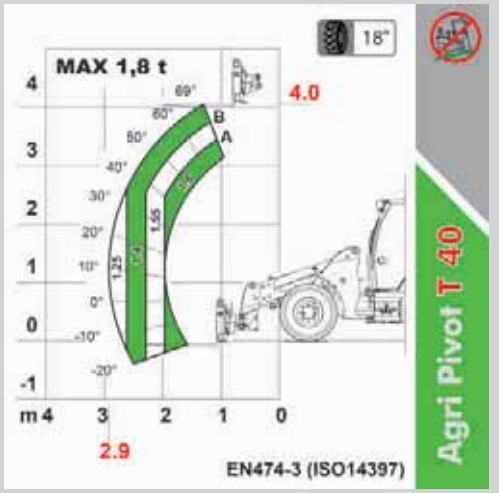
DIMENSIONS	T40	T50	T60
A	4000	4460	4720
B	3070	3430	3550
C	710	830	830
D	365	340	435
E	500	355	405
F	910	750	850
G	2290	2500	2780
H	1910	2100	2365
I	1315	1400	1530
L	990	1070	1190
M	500	500	500
N	2420	2490	2490
O	1400	1450	1450
P	2150	2200	2200
Q	1485	1630	1750
R	5035	5280	5400
S	300	365	365
T	30°	31°	31°

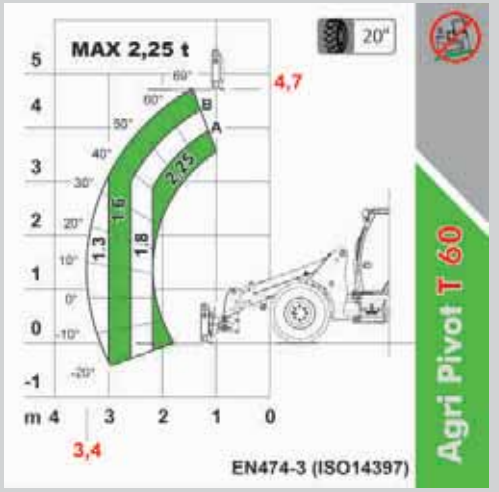
Dimensions in millimeters

PERFORMANCE	T40	T50	T60
Operative load EN474.3 (80%) retracted (Kg)	1800	2200	2250
Operative load EN474.3 (60%) retracted (Kg)	1500	1600	1725
Operative load EN474.3 (80%) extended (Kg)	1250	1300	1300
Operative load EN474.3 (60%) extended (Kg)	950	1000	1050

Data for machines with quick coupling







HEAVY LINE

TECHNICAL SPECIFICATIONS

PERFORMANCE	T70	T80	T90
Operating load with standard bucket and quick coupling (kg)	7150	8000	9000
Standard bucket capacity (m3)	1,10	1,20	1,50
Pull-out force (daN)	6000	6700	7200
Maximum climb angle	80%	80%	80%
Breakout force (daN)	6000	6500	8500
Maximum speed (km/h)	40	36	40

BOOM	T70	T80	T90
Times: (in seconds)			
Lifting	5,3	5,3	5,2
Descent	3,0	3,0	3,3
Extension	2,3	3,2	3,1
Retraction	1,2	1,8	1,7
Swivel (Recall)	2,1	2,4	2,0
Swivel (Unloading)	1,3	1,6	1,4
Patented compensation system			

ENGINE	T70	T80	T90
Brand	Kubota	FPT	FPT
Maximum power kW (hp) @	85 (115)	105 (140)	129 (175)
Speed setting (rpm)	2600	2200	2200
Operation		4-stroke Diesel	
Injection		Direct Electronic	
Number and arrangement of cylinders		4, vertical in line	
Displacement (cm3)	3769	4500	4500
Specific consumption (g/kWh)	227	205	209
Intake		Turbo compressor intercooler	
Cooling system		Liquid	
Starting VOLTS	12	12	12
* at maximum power	Stage 3B/Tier 4i	Stage 4/Tier 4 final	Stage 4/Tier 4 final

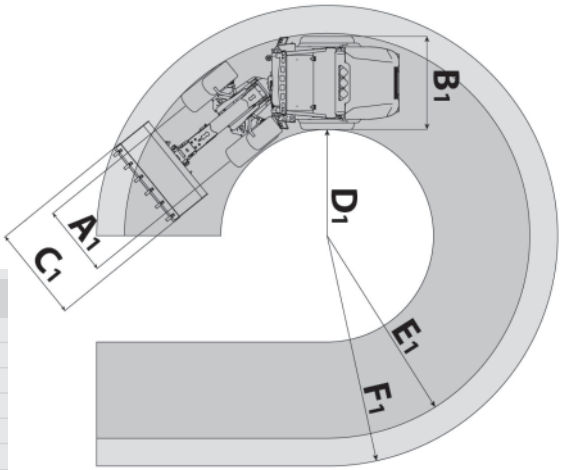
HYDRAULIC SYSTEM	T70	T80	T90
Variable displacement piston pump with max. capacity (l/1')	-	-	140
Gear pump with max. capacity (l/1')	114	114	-
Max operating pressure (bar)	230	240	265

TRANSMISSION	T70	T80	T90
Single speed hydrostatic transmission Vario System EVO2 with electronic control	-	-	-
Hydrostatic transmission with variable displacement pump and hydrostatic engine with automatic adjustment	•	•	•
Number of speeds, forward-reverse	4-4	2-2	2-2
Servo controlled 2-speed gearbox	•	•	•
Inching pedal for controlled forward movement	•	•	•

DIFFERENTIAL AXLES - STEERING	T70	T80	T90
Rigid axles: 2, with planetary reduction gears	•	•	•
Front axle ixed to the frame	•	•	•
Oscillating rear axle with total range	25°	25°	25°
Service brake in oil bath on the 4 servo controlled wheels	-	•	•
Service brake in oil bath on the front servo controlled axle	•	•	•
Negative action parking brake	•	•	•
Articulated frame steering, total steering angle	80°	80°	80°
Servo controlled steering through hydraulic power steering (Load Sensing)	•	•	•

TIRES	T70	T80	T90
Tires	405/70x24	15,5x25	17,5x25
Alternative	460/70x24	460/70x24	15,5x25
Alternative	600/50-22.5	500/70x24	500/70x24
Alternative	-	600/50-22.5	600/55-26.5

REFUELING (liters)	T70	T80	T90
Hydraulic system (total)	110	120	160
Diesel tank	140	165	125
AdBlue tank	-	27	27



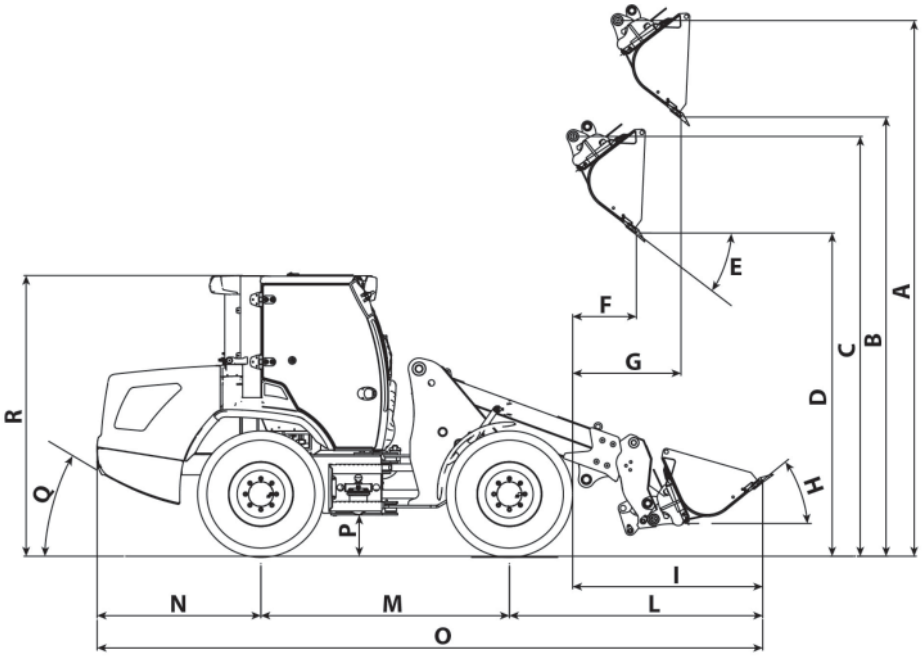
DIMENSIONS	T70	T80	T90
A1	1560	1660	1790
B1	1980	2070	2300
C1	2100	2200	2400
D1	2400	2560	2800
E1	4450	4630	5100
F1	5000	5250	5700
Dimensions in millimeters			

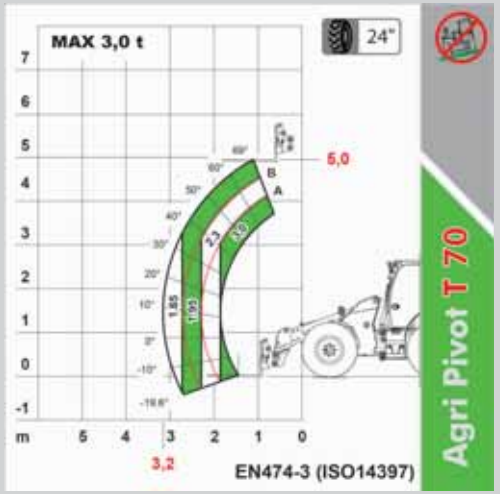
DIMENSIONS	T70	T80	T90
A	5250	5450	6075
B	4300	4510	5100
C	4015	4140	4600
D	3060	3200	3610
E	40°	40°	40°
F	400	500	500
G	880	990	1020
H	40°	40°	40°
I	1670	1750	1950
L	2300	2400	2600
M	2400	2550	2800
N	1550	1675	1640
O	6250	6625	7040
P	410	400	420
Q	31°	30°	32°
R	2690	2700	2830

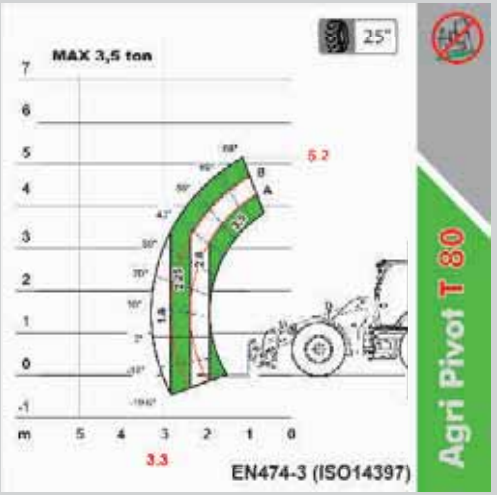
Dimensions in millimeters

PERFORMANCE	T70	T80	T90
Tipping load with aligned machine (retracted boom) (Kg)	4800	6100	6500
Tipping load in max articulated position (retracted boom) (Kg)	4250	5400	5700
Tipping load with aligned machine (extended boom) (Kg)	2500	3200	3800
Tipping load in max articulated position (extended boom) (Kg)	2350	2800	3350

Data for machines with quick coupling





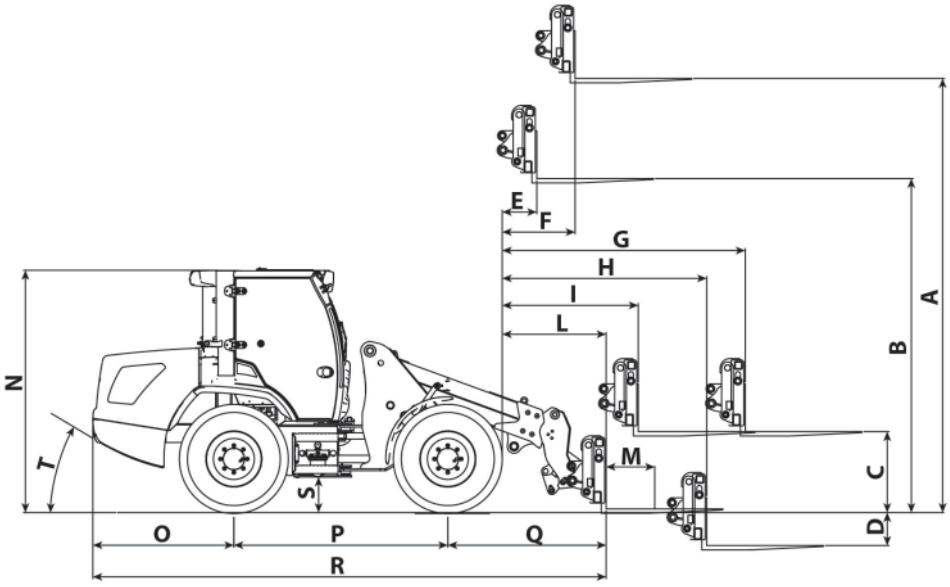


DIMENSIONS	T70	T80	T90
A	5000	5200	5800
B	3750	3865	4280
C	900	1500	1680
D	630	430	520
E	100	145	160
F	550	640	710
G	2625	2825	3230
H	2000	2350	2720
I	1300	1445	1640
L	900	1030	1200
M	500	500	500
N	2690	2700	2830
O	1550	1675	1640
P	2400	2550	2800
Q	1570	1670	1850
R	5520	5895	6290
S	410	400	420
T	31°	30°	32°

Dimensions in millimeters

PERFORMANCE	T70	T80	T90
Operative load EN474.3 (80%) retracted (Kg)	3000	3500	4000
Operative load EN474.3 (60%) retracted (Kg)	2300	2600	3000
Operative load EN474.3 (80%) extended (Kg)	1650	1800	2200
Operative load EN474.3 (60%) extended (Kg)	1300	1400	1650

Data for machines with quick coupling



Due to constant evolution and research, specifications and images are subject to change without notice.

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