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Site Dumper

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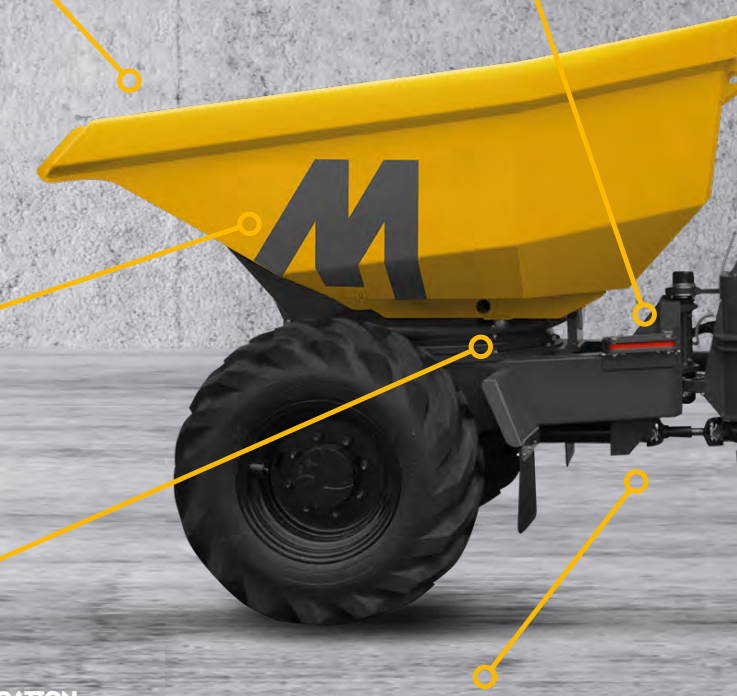
SETTING THE STANDARDS IN SITE DUMPER INNOVATION



HAZARD DETECTION CAPABILITY TO FURTHER IMPROVE ON-SITE SAFETY

STOP/START CONTROL FOR IMPROVED FUEL EFFICIENCY AND INCREASED SERVICE INTERVALS

RENTAL TOUGH SKIP DESIGN AND CHASSIS FABRICATIONS FOR UNRIVALLED RELIABILITY

FORWARD AND SWIVEL TIPPING MECHANISMS TO SUIT EVERY APPLICATION

MARKET-LEADING GROUND CLEARANCE FOR SUPERIOR OFF-ROAD PERFORMANCE


AUTOSHIFT TECHNOLOGY FOR INCREASED PERFORMANCE
FOLDING ROPS FOR EASE OF TRANSPORTATION
LARGE OPENING SERVICE DOORS FOR BEST IN CLASS SERVICE ACCESS
HIGH-PERFORMANCE, WATER-COOLED DIESEL ENGINES FOR EFFICIENT OPERATION
CAPTURE TELEMATICS SYSTEM FOR PRECISE FLEET INSIGHT
HIGH-PERFORMANCE DISC BRAKES FOR REDUCED STOPPING DISTANCES
TA6s
MECALAC

INNOVATION AS STANDARD

Robust, reliable and rental tough, Mecalac site dumpers have been developed using more than 60 years' design and manufacturing expertise.

Featuring state-of-the-art engine technology to meet the latest emissions compliance, each model delivers power, torque and exceptional performance for greater operator productivity and profitability.

Designed with the user in mind, Mecalac site dumpers boast class-leading skip strengths, heavy-duty chassis designs and user-friendly controls. It's easy to see why each model leads its class in on-site earthmoving and tipping.

First-to-market technology additions – including Autoshift transmission, Stop/Start Control, Hazard Detection and Capture telematics – complete the package. From one to ten-tonne payloads, Mecalac's extensive model line-up has the perfect unit for every application.

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ROBUST AND RELIABLE

POWER TIP SITE DUMPERS

Mecalac Power Tip site dumpers are designed to move material quickly and effectively. From one to ten-tonne payloads, each unit delivers outstanding power and performance.

Featuring state-of-the-art operator technologies, including Start/Stop Control, Autoshift, Capture and Hazard Detection, Power Tip site dumpers set the standards for equipment innovation and performance.

All models are equipped with Tier 4-Final engines, ensuring they meet the highest global emissions standards without the need for exhaust after-treatment.

SPEED AND POWER

With an industry-leading skip wall thickness, heavy-duty steel plates and rental-tough tipping mechanisms, Mecalac site dumpers are designed with reliability in mind. Clever design and the latest technologies ensure smooth and accurate material placement.

Key model benefits:

- Efficient operation
- Improved performance
- Simple operation
- Unrivalled reliability
- Longer service intervals
- Outstanding fuel economy

CREATIVE THINKING

POWER SWIVEL SITE DUMPERS

Mecalac Power Swivel site dumpers are the ideal solution for more challenging jobs. Allowing the load to be rotated before being tipped, Power Swivel technology allows the operator to work within a confined site area.

With payload options ranging between two to six-tonnes, there's a perfect Power Swivel model for every application. High quality slew ring bearings deliver smooth and effective operation – ensuring precise placement of loads.

Featuring state-of-the-art operator technologies, including Start/Stop Control, Autoshift, Capture and Hazard Detection, Power Swivel site dumpers set the standards for equipment innovation and performance.

All models are equipped with Tier 4-Final engines, ensuring they meet the highest global emissions standards without the need for exhaust after-treatment.

MEETING OUTSTANDING SAFETY STANDARDS

All Power Swivel site dumpers feature a heavy-duty locking device, which keeps the skip facing forward while on the move – just one of the many features that ensure each model meets the highest level of on-site health and safety compliance.

Intelligent design means hose routings and hydraulics are protected from damage, without compromising on routine maintenance access.

Key model benefits:

- Efficient operation
- Improved performance
- Simple operation
- Unrivalled reliability
- Longer service intervals
- Outstanding fuel economy

MARKET-LEADING SOLUTIONS

HIGH DISCHARGE SITE DUMPERS

Mecalac High Discharge site dumpers are designed to deliver superior versatility and performance when tipping over obstacles and into skips.

From 1,000-2,000kg payloads, each model has been developed for use in smaller sites – such as housing developments and landscaping projects. All models deliver an impressive height clearance of over 1.5 metres, providing impressive results in confined spaces.

A robust chassis and skip design ensures that the unit remains well balanced and secure while tipping, assuring safe and effective operation.

OUTSTANDING ACCESSABILITY

All Mecalac High Discharge site dumpers feature a folding ROPS to enable easy access into tight spaces. The smallest model in the range, the TA1EH, is capable of passing through a standard one-metre-wide doorway when fitted with optional narrow-width wheels and tyres.

With optional 'narrow-width' designs available for each model in the range, users can specify a customised unit to further increase on-site access and manoeuvrability, as well as increase their range of transportation options.

What this means for you:

- Superior performance
- Suitability for every scenario
- Efficient operation
- Improved performance
- Simple operation
- Unrivalled reliability
- Longer service intervals
- Outstanding fuel economy

LEADING THE WAY IN EQUIPMENT CAPABILITY

MAKING MAINTENANCE EASY

Alongside boasting state-of-the-art product design and first-to-market technology innovation, all Mecalac site dumpers feature superb service access from ground level to ensure simple and time-efficient routine equipment maintenance.

The chassis and engine canopies are designed to give maximum access to all service areas, while engine panels are mounted on heavy-duty, lockable hinges for added safety benefits.

MEETING OUTSTANDING SAFETY STANDARDS

On models with payloads from six-tonnes upwards, Mecalac site dumpers feature a suite of state-of-the-art technologies to deliver outstanding results.

Stop/Start Control has been designed to improve on-site safety, minimise fuel consumption and increase service intervals. The new system will automatically start and stop the engine in predetermined conditions. Tested duty cycles have shown hundreds of pounds of fuel savings per year, as well as extending service intervals by 24 weeks (on a typical 500-hour maintenance schedule).

Developed in-house by Mecalac's engineering department, **Autoshift** uses torque demand to guide gear changes. In challenging and demanding conditions – such as steep gradients and high payloads – Autoshift enables the transmission to hold lower gears for longer, providing torque, power and drive when it's needed most.

Bringing award-winning automotive technology to the construction site, Mecalac's **Hazard Detection** solution uses a microwave radar to provide flawless obstacle detection.

Capture is Mecalac's innovative telematics solution, allowing hire firms and site managers to monitor unit location, distance travelled and hours completed each day. Integration with the ECU offers access to real-time fuel consumption data logs, service planning functionality and geo-fencing reporting to within three metres.


TA9SP
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TECHNICAL SPECIFICATIONS

Model	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	*NEW* TA9P	*NEW* TA9S	*NEW* TA9SP	*NEW* TA10P
Payload kg (lbs)	1000	2000	2000	2000	3000	3000	3000	3000	3500	6000	6000	9000	9000	9000	9000	10000
Power kW (hp)	15.5 (20.8)	24.5 (32.6)	24.5 (32.6)	24.5 (32.6)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	55 (74)	55 (74)	55 (74)	55 (74)	55 (74)	55 (74)	55 (74)
Heaped Capacity m^3	0.5	1.2	1.2	1.2	2	1.9	2	1.9	1.9	3.8	3.5	4.6	4.6	4.2	4.2	5

TECHNICAL DATA

PERFORMANCE	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Payload (Kg)	1000	2000	2000	2000	3000	3000	3000	3000	3500	6000	6000	9000	9000	10000
Unladen Weight (Kg)	1340	1980	2120	2320	2300	2360	2320	2380	2380	4340	4500	4920	5260	5060
Tipping Type	Forward Tip – High Discharge	Forward Tip	Swivel Tip	Swivel Tip – High Discharge	Forward Tip	Swivel Tip	Forward Tip	Swivel Tip	Swivel Tip	Forward Tip	Swivel Tip	Forward Tip	Swivel Tip	Forward Tip
Skip Capacity – Water (litres)	320	750	750	750	1250	1000	1250	1000	1000	1950	1850	2064	1910	2446
Skip Capacity – Struck (litres)	450	1000	1000	1000	1600	1520	1250	1520	1520	2750	2740	389	3340	4128
Skip Capacity – Heaped (litres)	540	1200	1200	1200	1950	1880	1950	1880	1880	3780	3530	4587	4150	5046

ENGINE	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Engine	Kubota D905	Kubota D1703M	Kubota D1703M	Kubota D1703M	Kubota V2203M	Kubota V2203M	Kubota V2203M	Kubota V2203M	Kubota V2203M	JCB EcoMax	JCB EcoMax	JCB EcoMax	JCB EcoMax	JCB EcoMax
Number of Cylinders	3	3	3	3	4	4	4	4	4	4	4	4	4	4
Gross Power – kW (hp)	15.5kW (20.8)	24.5 (32.6)	24.5 (32.6)	24.5 (32.6)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	32.4 (43.5)	55 (74)	55 (74)	55 (74)	55 (74)	55 (74)
Displacement (cc)	898	1647	1647	1647	2197	2197	2197	2197	2197	4400	4400	4400	4400	4400
Maximum Torque (Nm)	56	105	105	105	145	145	147	147	147	400	400	400	400	400
Aspiration	Naturally Aspirated									Turbocharged				
Emission Compliance	EU Stage 3A									EU Stage IIIB / Tier 4 Final				

TRANSMISSION/DRIVE	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Transmission Type	Hydrostatic Pump (Poclain Twinlock) to 4 Hydraulic Wheel Motors	Hydrostatic Motor via Transfer Box to Front & Rear Axles			Manual – 3 Forward / 1 Reverse		Hydrostatic Motor via Transfer Box to Front & Rear Axles			Powershuttle via Transfer Box to Front & Rear Axles		Powershuttle via Transfer Box to Front & Rear Axles – Powershift as option		Powershift via Transfer Box to Front & Rear Axles
Tyre Size	255 / 75 x 15.2 x 8 ply (option 7.0 x 12 narrow tyre)	10.0 / 75 x 15.3 (10 ply)			295/80 x 15.3 x 10 ply		295/80 x 15.3 x 10 ply			405–70–20 14PR		500–60–22.5 16PR		
Drive	Hydrostatic 1/1	2 / 2 (High & Low Range – Forward & Reverse) Hydrostatic – Permanent 4WD			3 / 1 Forward and Reverse – Permanent 4WD		2 / 2 (High & Low Range – Forward & Reverse) Hydrostatic – Permanent 4WD			4 / 4 Forward and Reverse – Permanent 4WD				
Maximum Travel Speed – mph (kph)	7 (11)	10.0 (16.0)	10.0 (16.0)	10.0 (16.0)	11.8 (19.0)	11.8 (19.0)	11.8 (19.0)	11.8 (19.0)	11.8 (19.0)	16.3 (26.2)	16.3 (26.2)	15.4 (24.83)	15.4 (24.83)	15.4 (24.83)
Gradeability (Maximum Slope Gradient)	20% (1 in 5)	19.5% (1 in 5)	19.5% (1 in 5)	19.5% (1 in 5)	25% (1 in 4)	25% (1 in 4)	25% (1 in 4)	25% (1 in 4)	25% (1 in 4)	25% (1 in 4)	25% (1 in 4)	20% (1 in 5)	20% (1 in 5)	20% (1 in 5)

CAPACITIES	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Fuel Tank Capacity (litres)	35	23	23	23	37	37	37	37	37	65	65	65	65	65
Hydraulic Tank Capacity (litres)	25	25	25	25	37	37	37	37	37	50	50	50	50	–

TECHNICAL DATA

ENVIRONMENTAL	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Noise Emission (to ISO 4871) – Sound Pressure (LpAd)	83 dB	86.1 dB	86.1 dB	86.1 dB	84 dB	84 dB	84 dB	84 dB	84 dB	81 dB	81 dB	81 dB	81 dB	81 dB
Sound Power Level (LWAd)	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB	101 dB
Noise Compliance	Noise – Equipment Used Outdoors Directive 2000/14/EC													
Vibration – Hand Arm (as defined in EN474–1 all operations)	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²	‹2.5 m/s²
Vibration – Whole Body (as defined in ISO/TR 25398 – Work Cycle)	0.529 rms (0.264 m/s² Uncertainty)													

HYDRAULIC SYSTEM	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Pump Type	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear	Gear
Flow Rate	29 l/min	21 l/min	21 l/min	21 l/min	30 l/min	30 l/min	30 l/min	30 l/min	30 l/min	60 l/min	60 l/min	60 l/min	60 l/min	60 l/min
Operating Pressure	152 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	172 bar	172 bar	210 bar	210 bar	210 bar
Steering System	Orbitrol hydrostaticsteering unit powering central hydraulic steering ram													

BRAKING SYSTEM	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Working Brake	Hydrostatic Dynamic Braking on Rear Wheel Motors	Multi–Plate In–Board Oil Immersed Discs on Front Axle								Foot Brake – Oil immersed discs on front/rear				
Parking Brake	Hydrostatic Dynamic Braking on Rear Wheel Motors	Over Centre Handbrake – Oil Immersed Discs on Front Axle								Over Centre parking brake – Dry disc in gearbox				

ELECTRICAL SYSTEM	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Voltage	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V
Battery	74Ah	74Ah	74Ah	74Ah	74Ah	74Ah	74Ah	74Ah	74Ah	100Ah	100Ah	100Ah	100Ah	100Ah
Alternator	30A	55A	55A	55A	55A	55A	55A	55A	55A	95A	95A	95A	95A	95A

DIMENSIONS	TA1EH	TA2H	TA2SH	TA2SEH	TA3	TA3S	TA3H	TA3SH	TA3.5SH	TA6	TA6S	TA9	TA9S	TA10P
Total Length (mm)	2980	3570	3550	3550	3734	3952	3734	3952	3952	4405	4539	4484	4666	4530
Total Width (Max) (mm)	984* / 1110	1473	1473	1473	1957	1846	1957	1846	1846	2300	2207	2500	2380	2550
Wheelbase (mm)	1440	1900	1900	1900	1939	1939	1939	1939	1939	2450	2450	2450	2450	2450
Ground Clearance (mm)	207* / 241	184	184	184	279	279	279	279	279	385	385	374	374	374
Height to Front Lip of Skip (untipped) (mm)	1620 (raised)	916	983	1055 (lowered) / 1644 (raised)	263	853	263	853	762	504	1258	490	1215	490
Turning Radius to Outside of Skip (mm)	2326	3610	3610	3610	4711	4553	4711	4553	4553	5863	5726	5994	5816	6011
Steering Angle	+/– 45˚	+/– 30.6˚	+/– 30.6˚	+/– 30.6˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚	+/– 30˚
Oscillation	+/– 14˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10.5˚	+/– 10˚	+/– 10˚	+/– 10˚	+/– 10˚	+/– 10˚
Height to Top of ROPS (raised with beacon) (mm)	2837	2940	2940	2940	2920	2920	2920	2920	2920	3306	3306	3668	3668	3668

STANDARD AND OPTIONAL EQUIPMENT

TA1EH STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock
- Wide Tyres (255 / 75 x 15.2 8ply)

TA1EH OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors
- CESAR Datatag Security
- Spare Wheel
- Special Paint
- Narrow Tyres (7.00 x 12)
- High Visibility Safety Decals for Steps & Handrails
- German / Swiss Road Homologtation Kit

TA2H TA2SH TA2SEH STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Leg Guard
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock

TA2H TA2SH TA2SEH OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors (standard in some markets - check with your local Mecalac dealer)
- CESAR Datatag Security
- Fan Guard (standard in some markets - check with your local Mecalac dealer)
- Spare Wheel
- Special Paint (standard in some markets - check with your local Mecalac dealer)
- High Visibility Safety Decals for Steps & Handrails
- German / Swiss Road Homologtation Kit

TA3 TA3S STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Leg Guard
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock

TA3 TA3S OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors (standard in some markets - check with your local Mecalac dealer)
- CESAR Datatag Security
- Fan Guard (standard in some markets - check with your local Mecalac dealer)
- Spare Wheel
- Special Paint (standard in some markets - check with your local Mecalac dealer)
- High Visibility Safety Decals for Steps & Handrails

TA3H TA3SH TA3.5SH STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Leg Guard
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock

TA3H TA3SH TA3.5SH OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors (standard in some markets - check with your local Mecalac dealer)
- CESAR Datatag Security
- Fan Guard (standard in some markets - check with your local Mecalac dealer)
- Spare Wheel
- Special Paint (standard in some markets - check with your local Mecalac dealer)
- High Visibility Safety Decals for Steps & Handrails
- German / Swiss Road Homologtation Kit

TA6 TA6S STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock
- Water in Fuel Monitoring

TA6 TAS OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors (standard in some markets - check with your local Mecalac dealer)
- CESAR Datatag Security
- Fan Guard
- Spare Wheel
- Special Paint
- High Visibility Safety Decals for Steps & Handrails
- German / Swiss Road Homologtation Kit
- Biodegradable Hydraulic Oil
- Leg Guard

TA9 STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock
- Wide Tyres (255 / 75 x 15.2 8ply)
- Water in Fuel Monitoring
- Coolant Level Monitoring

TA9 OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors
- CESAR Datatag Security
- Fan Guard
- Spare Wheel
- Special Paint
- Narrow Tyres (7.00 x 12)
- High Visibility Safety Decals for Steps & Handrails
- Biodegradable Hydraulic Oil
- Leg Guard

TA9S STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock
- Water in Fuel Monitoring

TA9S OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors (standard in some markets - check with your local Mecalac dealer)
- CESAR Datatag Security
- Fan Guard
- Spare Wheel
- Special Paint
- High Visibility Safety Decals for Steps & Handrails
- Biodegradable Hydraulic Oil
- Leg Guard

TA10P STANDARD

- Folding ROPS Frame
- Reversing Alarm
- Flashing Beacon
- Towing/Recovery Bracket
- Hour Metre
- Seat Belt (High Visibility Orange)
- Seat (adjustable fore/aft, operator weight and back angle)
- Heavy Duty Articulation Lock
- Wide Tyres (255 / 75 x 15.2 8ply)
- Water in Fuel Monitoring
- Coolant Level Monitoring

TA10P OPTIONS

- LED Flashing Beacon
- Road Lights (RTA) including Front Light Guards
- L/H & R/H Rear View Mirrors
- CESAR Datatag Security
- Fan Guard
- Spare Wheel
- Special Paint
- Narrow Tyres (7.00 x 12)
- High Visibility Safety Decals for Steps & Handrails
- Biodegradable Hydraulic Oil
- Leg Guard

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