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6MDX 9MDX
TECHNICAL DATA

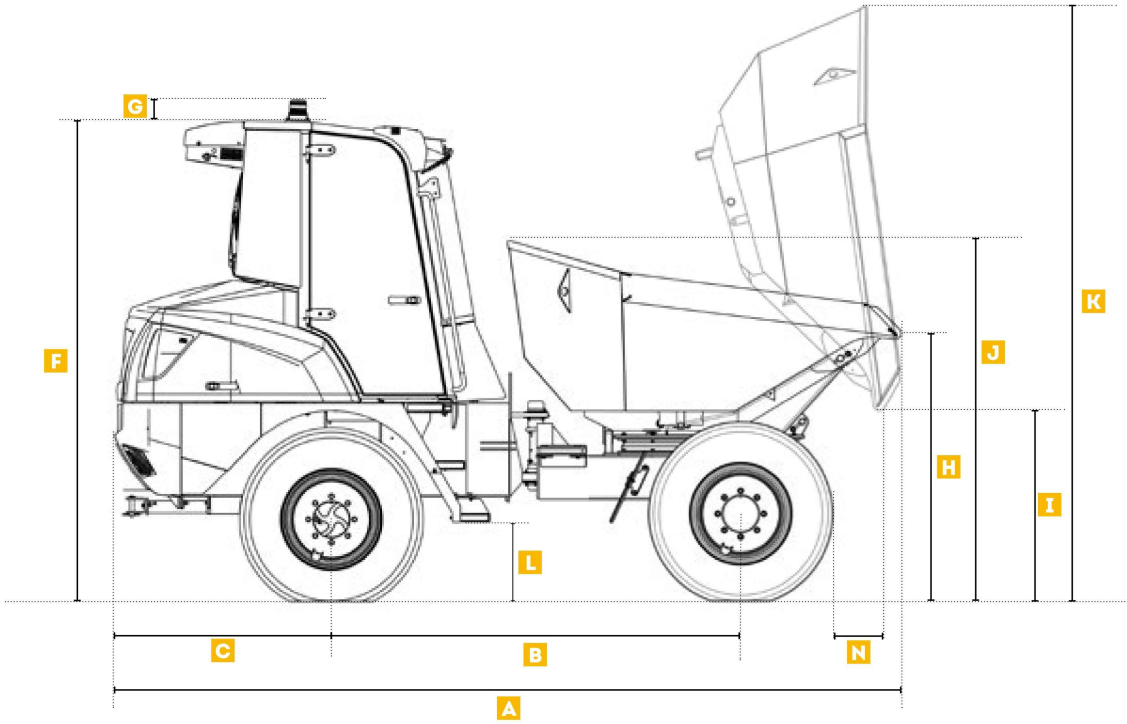
	6MDX - FRONT TIP SKIP Hydrostatic - Cab	6MDX - SWIVEL TIP SKIP Hydrostatic - Cab	9MDX - FRONT TIP SKIP Hydrostatic - Cab	9MDX - SWIVEL TIP SKIP Hydrostatic - Cab
SKIP CAPACITY				
Payload	6000 kg (13,228 lbs)	6000 kg (13,228 lbs)	9000 kg (19,842 lbs)	9000 kg (19,842 lbs)
Skip type	Front tip skip	Swivel tip skip	Front tip skip	Swivel tip skip
Skip volume - Water	1598 l	1580 l	2014 l	1902 l
Skip volume - Struck	2359 l	2399 l	3775 l	3318 l
Skip volume - Heaped	2927 l	3085 l	4466 l	4096 l
MACHINE WEIGHT				
Operating weight ISO6016 – full tank of fuel and 75kg (165 lbs) operator - Cab	4720 kg (10406 lbs)	4900 kg (10803 lbs)	5315 kg (11718 lbs)	5715 kg (12600 lbs)
ENGINE				
Manufacturer/Model	Perkins - 904J-E28TA		Perkins - 904J-E28TA	
Emission regulation	EU Stage V / U.S. EPA Tier 4 Final*		EU Stage V / U.S. EPA Tier 4 Final*	
Type	Water-cooled 4-cylinder diesel		Water-cooled 4-cylinder diesel	
Displacement	2800 cm^3 (171 in^3)		2800 cm^3 (171 in^3)	
Gross power (DIN 70020)	55 kW (74hp)		55 kW (74 hp)	
Maximum torque	380 Nm (280 ft.lbf) at 1380 rpm		380 Nm (280 ft.lbf) at 1380 rpm	
Maximum engine speed	2400 rpm		2400 rpm	
Aspiration	Turbocharged		Turbocharged	
Fuel system	Electronic high pressure common rail		Electronic high pressure common rail	
Aftertreatment	Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF)		Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF)	
TRANSMISSION				
Type	Hydrostatic Hydrostatic Motor via Transfer Box to Front & Rear Axles		Hydrostatic Hydrostatic Motor via Transfer Box to Front & Rear Axles	
Traction	Permanent 4 wheel-drive		Permanent 4 wheel-drive	
Drive	1/1 Forward and Reverse		1/1 Forward and Reverse	
Flow rate	234 l/min (61.8 US gpm)		234 l/min (61.8 US gpm)	
Working pressure	Nominal 400 bar (5802 psi) - Maximum 530 bar (7687 psi)		Nominal 400 bar (5802 psi) - Maximum 530 bar (7687 psi)	
DRIVE CHARACTERISTICS				
Maximum turning radius	6483 mm (21'3")	6382 mm (20'11")	6557 mm (21'6")	6464 mm (21'2")
Maximum speed	25 km/h (15.5 mph)		25 km/h (15.5 mph)	
Chassis	Articulated and oscillating		Articulated and oscillating	
Steering angle	+/-30°		+/-30°	
Oscillation angle	+/-10.5°		+/-10.5°	
Gradeability (defined by maximum safe working angle)	25%		20%	
Tyre Size	405-70-20 (14 PR)		500-60-22.5 (16 PR)	
HYDRAULIC SYSTEM				
Pump type	Gear pump		Gear pump	
Flow rate	74 l/min (19.5 US gpm)		74 l/min (19.5 US gpm)	
Operating pressure	210 bar (3045 psi)		210 bar (3045 psi)	
Steering system	Orbitrol hydrostatic steering unit powering a central hydraulic steering cylinder		Orbitrol hydrostatic steering unit powering a central hydraulic steering cylinder	
BRAKING SYSTEM				
Working brake	Hydraulic boosted foot Brake - Oil immersed discs on front/rear		Hydraulic boosted foot Brake - Oil immersed discs on front/rear	
Parking brake	Over centre parking brake-integrated in rear axle		Over centre parking brake-integrated in rear axle	
EMISSIONS				
Noise emission (ISO 4871) – Operators ear sound pressure (LpAd)	85 dB		85 dB	
Noise emission (ISO 4871) – Machine Noise Power (LWAd)	101 dB		101 dB	
Noise compliance	Noise - Equipment used outdoors directive 2000/14/EC		Noise - Equipment used outdoors directive 2000/14/EC	
Hand arm vibration (defined by EN474-1 for all operations)	<2.5 m/s^2		<2.5 m/s^2	
Whole body vibration (defined by ISO/TR25398 for a work cycle)	0.529 (0.264 m/s^2 uncertainty)		0.529 (0.264 m/s^2 uncertainty)	
TANK CAPACITIES				
Fuel tank	65 l (17.17 US gal)		65 l (17.17 US gal)	
Hydraulic tank	50 l (13.2 US gal)		50 l (13.2 US gal)	

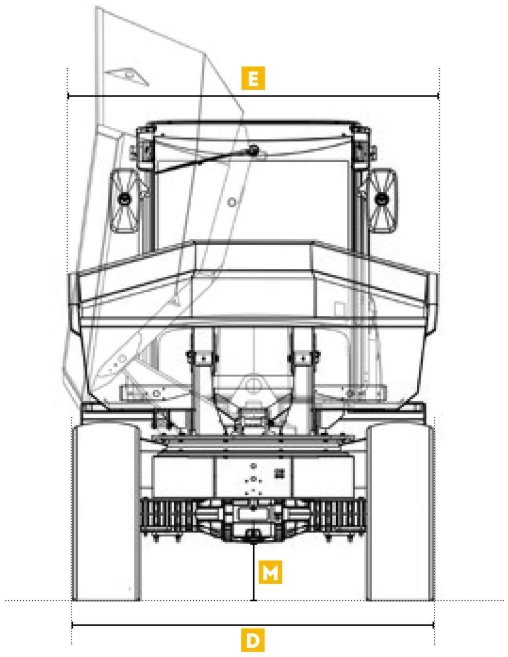
*According to National regulation - Environmental Protection Agency (EPA). Specifications are subject to change.

Note: Metric Measurements are the Critical Values
- 1 Litre = 0.26417 US Liquid Gallons
- 1 Litre = 0.21997 Imperial Liquid Gallons

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DIMENSIONS





MACHINE DIMENSIONS		3.5MDX FRONT TIP mm (ft in)	3.5MDX SWIVEL TIP mm (ft in)	6MDX FRONT TIP mm (ft in)	6MDX SWIVEL TIP mm (ft in)	9MDX FRONT TIP mm (ft in)	9MDX SWIVEL TIP mm (ft in)
A	Overall length	3821 (12'6")	4012 (13'2")	4454 (14'7")	4711 (15'5")	4587 (15'1")	4735 (15'6")
B	Wheelbase	1939 (6'4")	1939 (6'4")	2450 (8')	2450 (8')	2450 (8')	2450 (8')
C	Rear overhang	1124 (3'8")	1124 (3'8")	1287 (4'3")	1287 (4'3")	1293 (4'3")	1293 (4'3")
D	Total width	1957 (6'5")	1846 (6'1")	2300 (7'7")	2211 (7'3")	2389 (7'10")	2364 (7'9")
E	Skip width	1957 (6'5")	1685 (5'6")	2300 (7'7")	2211 (7'3")	2389 (7'10")	2341 (7'8")
F	Overall height of cab	2663 (8'9")	2663 (8'9")	2875 (9'5")	2875 (9'5")	3384 (11'1")	3384 (11'1")
G	Additional height for beacon	130 (5")	130 (5")	130 (5")	130 (5")	130 (5")	130 (5")
H	Height to lip of skip - untipped	1419 (4'8")	1469 (4'10")	1581 (5'2")	1685 (5'6")	1682 (5'6")	1827 (5'12")
I	Height to lip of skip - tipped	248 (10")	841 (2'9")	430 (1'5")	1126 (3'8")	462 (1'6")	1171 (3'10")
J	Height of skip - untipped	1820 (5'12")	1805 (5'11")	1998 (6'7")	2167 (7'1")	2292 (7'6")	2483 (8'2")
K	Height of skip - tipped	1973 (6'6")	2904 (9'6")	2379 (7'10")	3545 (11'8")	2746 (9')	3782 (12'5")
L	Height to first step	518 (1'8")	518 (1'8")	472 (1'7")	472 (1'7")	509 (1'8")	509 (1'8")
M	Minimum ground clearance	217 (8")	217 (8")	347 (1'2")	347 (1'2")	396 (1'4")	396 (1'4")
N	Discharge distance - front Discharge distance - side	550 (1'10") -	526 (1'9") 209 (8")	513 (1'8") -	354 (1'2") 16 (0'6")	583 (1'11") -	408 (1'4") 12 (0.5")

Illustration not contractual

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STANDARD / OPTIONAL EQUIPEMENT

	3.5MDX Front / Swivel tip skip Hydrostatic transmission	6MDX Front / Swivel tip skip Hydrostatic transmission	9MDX Front / Swivel tip skip Hydrostatic transmission
OPERATOR ENVIRONMENT			
Cab ROPS/FOPS fully enclosed and comfortable	•	•	•
Cab heating and ventilation system	•	•	•
Cab Air-conditioning system	o	o	o
Multifonctional display screen integrated into the dashboard	•	•	•
Adjustable ergonomic seat	•	•	•
High visibility orange seatbelt	•	•	•
SAFETY			
High visibility safety decals steps and handrails	•	•	•
Front-view camera with screen integrated into the dashboard	•	•	•
Rear-view camera with screen integrated into the dashboard		o	o
Rear-view mirrors	•	•	•
Cab front screen guard	o	o	o
Reverse Alarm	•	•	•
Fan Guard	•	•	•
Inclinometer / Safe Tip Indicator	•	•	•
Hazard / Object detection system	o	o	o
Hazard / Object detection system (system ready)	o	o	o
CESAR Datatag security kit (UK only)	o	o	o
SHIELD SAFETY TECHNOLOGIES			
SHIELD SAFETY TECHNOLOGY PACK Safety start interlock system, Parking brake reminder, Machine start signal, Seat belt reminder, Engine hood open warning, Automatic engine idle shutdown, Auto Start/Stop driver presence, Mass fuel loss warning, Service required warning, Regulatory speed limiter, Parking brake test	•	•	•
SHIELD PRO Safety Technology Pack Electronic tilt sensor, Tipped skip speed limiter and skip interlock, Roll- over lockout, Hazard detection system ready, Customization of shield features on the machine (Bluetooth adapter and dedicated free app), Possibility to switch on/off features, Possibility to adjust speed limits, timers, and angles	o	o	o

Country packs available
• = Standard
o = Optional

Standard and optional equipment may vary. Consult your Mecalac dealer for details.

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STANDARD / OPTIONAL EQUIPEMENT

	3.5MDX Front / Swivel tip skip Hydrostatic transmission	6MDX Front / Swivel tip skip Hydrostatic transmission	9MDX Front / Swivel tip skip Hydrostatic transmission
LIGHTING			
LED Amber flashing beacon	•	•	•
Green Beacon seatbelt indicator	•	•	•
LED Front and rear work lights	•	•	•
Certified Road Lights Front and Rear - including Light Guards	o	o	o
Road Lights ready (Inc. Wiring and brake sensor)	o	o	o
COLOUR & BRANDING			
Standard machine colour - Mecalac Yellow & Grey	•	•	•
Custom machine colour	o	o	o
Mecalac Standard Branding	•	•	•
Mecalac Rental Branding - clear skip sides	•	•	•
TELEMATICS			
MyMecalac Telematics - including app	o	o	o
OTHERS			
Articulated and oscillating chassis	•	•	•
Traction tyres	•	•	•
Towing/Recovery Bracket	•	•	•
Heavy-duty articulation lock	•	•	•
Loose Wheel Nut Indicator	o	o	o
Spare Wheel	o	o	o
Biodegradable Hydraulic Oil	o	o	o
German / Swiss Road Homologation kit	o	o	o
UK Vehicle Registration & Road Fund Licence 12 Months (UK only)	•	•	•

Country packs available
• = Standard
o = Optional

Standard and optional equipment may vary. Consult your Mecalac dealer for details.