

MecALAC

3.5MDX
TECHNICAL DATA



NEW 3.5MDX

THE NEW MDX SITE DUMPER - TECHNICAL DATA

MecALAC

PERFORMANCE, COMFORT & ULTIMATE SAFETY



PERFORMANCE

- A** Powerful and reliable 37 kW turbo diesel engine complies with Stage V exhaust emission standards by integrating a particulate filter
- B** Hydrostatic 4 wheel drive transmission with single pedal operations to make driving easy, safe and comfortable without a loss of traction
- C** Articulated and oscillating chassis ensures excellent maneuverability and off-road capability
- D** Large capacities and reinforced heavy duty skip
- E** Swivel tip skip with 180° rotation to enable precise lateral unloading without maneuvers or front tip skip for an economical solution to handle large material volumes
- F** Optional *MyMecalac* telematics to maximise the use of your machines thanks to optimized and accessible machine data, reduced downtimes, and better fleet management

COMFORT

- F** Fully enclosed operator cabin providing comfortable environment for fatigue-free work in any weather conditions
- G** Heating and ventilation as standard or optional air conditioning to provide the best thermal comfort
- H** Large wing engine doors offer excellent access for servicing and daily checks
- I** Cab mounted on isolating mounts to reduce vibration and noise transmitted to the operator
- J** Large curved windscreen for excellent all around visibility, optional screen guard for further operator protection

SAFETY

- F** Fully enclosed ROPS/FOPS compliant MDX cab designed and tested to withstand impact (full link: <https://youtu.be/Oy8z2CLgFgQ>)
- K** Easy and safe access from both sides thanks to high visibility and self-cleaning steps and handrails
- L** Cast iron rear protection
- M** Green Beacon seatbelt indicator as standard
- SHIELD** adjustable safety technologies as standard (Start & Drive Interlock, Seatbelt Warning, Regulatory Speed Limiter, Park Brake Neutral Warning, Idle Shut Off, Stop - Start System, Auto Park Brake Test, Service Warning, Fuel loss warning)





WATCH THE VIDEO

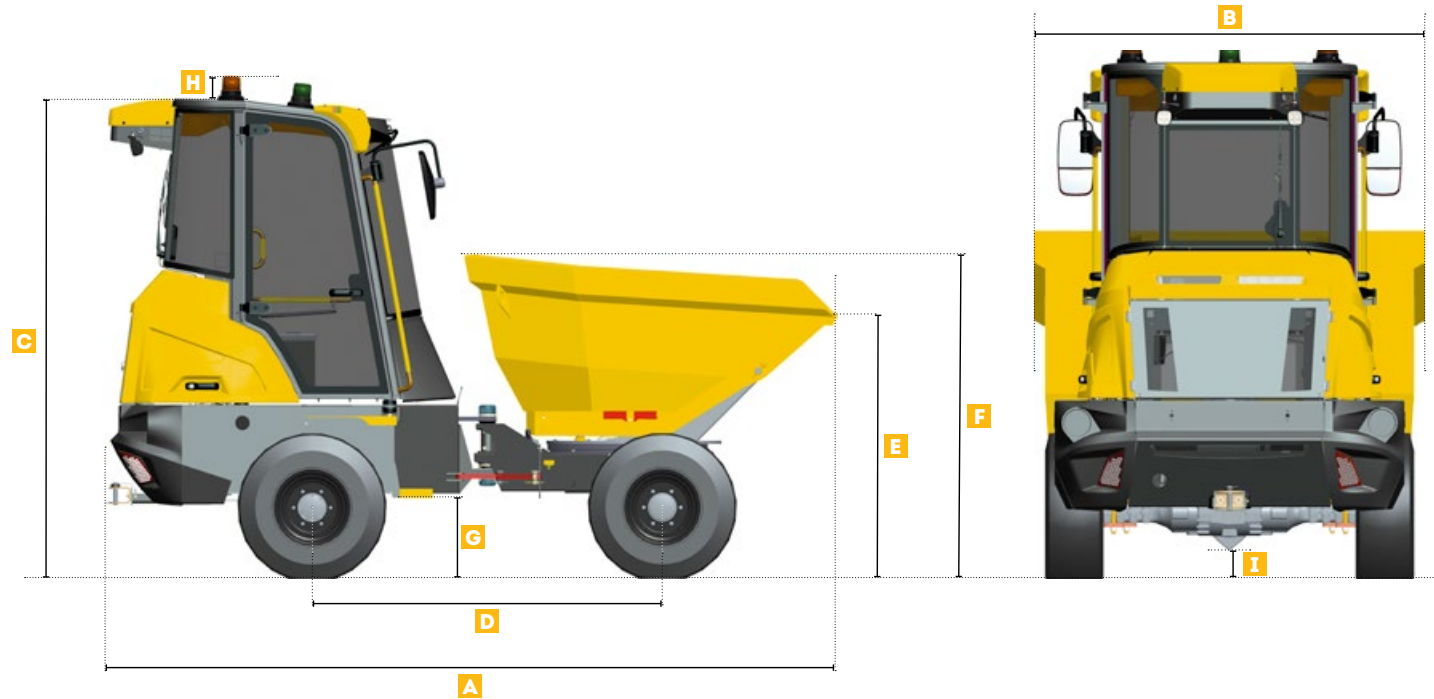
TECHNICAL DATA

SKIP CAPACITY		3.5MDX	
Payload	3500 kg (7716 lbs)		
Skip volumes:	FRONT TIP	SWIVEL TIP	
- Water	1250 l	1000 l	
- Struck	1685 l	1520 l	
- Heaped	2206 l	1880 l	
MACHINE WEIGHT			
Operating weight kg (lbs) ISO6016 – full tank of fuel and 75kg (165 lbs) operator			
- Front tip, glazed cabin	-		
- Swivel tip, glazed cabin	2915 kg (6426 lb)*		
ENGINE			
Make/Model	Kubota D1803		
- Gross power (DIN 70020)	37.0 kW (50hp)		
- Max engine speed	2900 rpm		
Emission compliance	EU Stage V / U.S. EPA Tier 4 Final**		
Number of cylinders	3		
Maximum torque	150.5 Nm at 1600 rpm (110 ft.lbf at 1600 rpm)		
Displacement	1826 cm ³ (111.4 in ³)		
Aspiration	Turbo Common Rail - Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF)		
Fuel tank capacity	37 l (9.77US gal)		
TRANSMISSION			
Type	Hydrostatic Transfer box to front and rear axles		
Drive	2/2 (high & low range - forward & reverse) Permanent 4 wheel-drive		
Hydrostatic pump type	Variable axle piston pump		
Flow rate	112 l/min		
Working pressure	450 bar		
DRIVE CHARACTERISTICS			
Maximum speed	20 kph (12.4mph)*		
Steering angle	+/-30°		
Oscillation	+/-10.5°		
Maximum turning radius	FRONT TIP 4685 mm (15'4") / SWIVEL TIP 4555 mm (14'11")		
Gradeability (defined by maximum safe working angle)	25%		
Tyre size	295-80-15.3 (10PR)		
AUXILIARY HYDRAULIC SYSTEM			
Pump type	Gear pump		
Flow rate	29 l/min (7.66 USgpm)		
Operating pressure	210 bar (3045.7 psi)		
Steering system	Orbitrol hydrostatic steering unit powering a central hydraulic steering cylinder		
BRAKING SYSTEM			
Working brake	Multi-plate inboard oil immersed disc on front axle		
Parking brake	Over centre handbrake - Oil immersed discs on front axle		
EMISSIONS			
Noise emission (to ISO 4871) – Operators ear sound pressure (LpAd)	82 dB*		
Sound power level (LWA _d)	102 dB*		
Noise compliance	Noise - Equipment used outdoors directive 2000/14/EC*		
Hand arm vibration (defined by EN474-1 for all operations)	<2.5 m/s ² *		
Whole body vibration (defined by ISO/TR25398 for a work cycle)	0.529 (0.264 m/s ² uncertainty)*		

* Specifications are subject to change
 ** Environmental Protection Agency (EPA)
 - Depending on your local legislation

NOTE
 METRIC MEASUREMENTS ARE THE CRITICAL VALUES
 • 1 Litre = 0.26417 US Liquid Gallons
 • 1 Litre = 0.21997 Imperial Liquid Gallons

TECHNICAL DATA



MACHINE DIMENSIONS	FRONT TIP mm (ft in)	SWIVEL TIP mm (ft in)
A Overall length	3821 (12'6")	4012 (13'2")
B Overall width	1957 (6'5")	1846 (6'1")
C Overall height	2663 (8'8")	2663 (8'8")
D Wheelbase	1939 (6'4")	1939 (6'4")
E Height to skip lip - Not tipped	1419 (4'8")	1470 (4'10")
Height to skip lip - Tipped	264 (10")	841 (2'9")
F Height to back of skip	1812 (5'11")	1787 (5'10")
G Height to first step	476 (1'7")	476 (1'7")
H Additional height for beacon	143 (5.6")	143 (5.6")
I Ground Clearance	217 (8")	217 (8")

MECALAC FRANCE S.A.S.
2, avenue du Pré de Challes
Parc des Glaisins – CS 40230
Annecy-le-Vieux
FR - 74942 Annecy Cedex
Tel. +33 (0)4 50 64 01 63

**MECALAC BAUMASCHINEN
GMBH**
Am Friedrichsbrunnen
D-24782 Büdelsdorf
Tel. +49 (0)43 31/3 51-319

**MECALAC CONSTRUCTION
EQUIPMENT UK LTD**
Central Boulevard,
ProLogis Park
Coventry, CV6 4BX, UK
Tél. +44 (0)24 7633 9539

**MECALAC İŞ MAKİNELERİ
SAN VE TIC. LTD. ŞTİ.**
Ege Serbest Bölgesi Nilüfer 1 Sok. No: 34
35410, Gaziemir
İzmir - Türkiye
Tel. +90 232 220 11 15



WWW.MECALAC.COM