

Mecalac

12-SERIES



EN

12  
SERIES

Mecalac

# 12-SERIES

## DISCOVER EVERY ANGLE A COMPLETE WALK-AROUND OF YOUR NEW 12-SERIES

- A**
- Standard Mecalac versatile boom with offset
  - Hammer return line (optional on all models)

### NEW

- Tool leak return line, free of pressure (optional on all models)
- High-efficiency auxiliary hydraulic line for work tools, including continuous flow
- Boom float – **12MTX 12MRX**
- Boom suspension – **12MTX 12MRX**

- B**
- Standard CONNECT hydraulic quick coupler
- NEW**
- Mecalac MR50 tiltrotator (optional on all models)
  - Additional safety valve on the bucket linkage (optional on all models)

- C**
- 750 l. (0,98 yd<sup>3</sup>) loader bucket

- D**
- Minimal machine width:
- 2247 mm (7'4") – **12MSX / 12MTX**
  - 2390 mm (7'10") – **12MRX**
  - 2520 mm (8'3") – **12MRX** (with wide tires)
  - Standard In-line stabilizers

- E** **NOUVEAU**
- Heavy duty and wide axles – **12MRX**
  - Wide tires – **12MRX**





- Telematics as standard



- F** • Articulated undercarriage, loader drivetrain

- G** • Large cab, optimal visibility
- In-line retractable steps
- Cooled\* lunch box

#### NEW

- User-friendly monitor display interface
- Grammer seats, mechanical or pneumatic and heated
- LED road lights
- Ergonomic joystick, “MWR-type”
- Superior protection with higher ROPS homologation
- Standard double inching pedal
- Joystick steering – **12MTX 12MRX**
- In-cab setting of the flows and pressures of the main auxiliary line – **12MTX 12MRX**

#### **H** NOUVEAU

- Bigger hydraulic pump, 95cc – **12MRX**

#### **I**

- Unbeatable counterweight swing radius, 1385 mm (4’6”)
- Heavy counterweight – **12MSX 12MTX 12MRX**

#### **J**

- Engine, 55 kW (75 hp), no diesel exhaust fluid (AdBlue®) – **12MSX**
- Engine, 85 kW (114 hp) – **12MTX 12MRX**
- 12V durable battery

#### **K**

##### NEW

- Hoods design
- Reversing fan – **12MTX 12MRX**

#### **L**

- Oscillating axle and axle lock
- 32 kph (20 mph) - **12MTX**

##### NEW

- 25 kph (15.5 mph) – **12MSX**
- 40 kph (25 mph), with gearbox and automatic gear change – **12MRX**
- Higher gradeability and traction force – **12MRX**
- Automatic work brake (includes axle lock) **12MTX 12MRX**

\* only with the air conditioning option

# 12-SERIES

## EXPLORE THE DETAILS YOUR NEW 12-SERIES AT A GLANCE

SPECIFICATIONS	12MSX	12MTX	12MRX
ENGINE	EU Stage V*	EU Stage V / U.S. EPA Tier 4 Final	EU Stage V / U.S. EPA Tier 4 Final
Engine model	DEUTZ TD 2.9L High Turbo	DEUTZ TCD 3.6L	DEUTZ TCD 3.6L
Engine power	55 kW (74 U.S. hp) at 2300 rpm	85 kW (114 U.S. hp) at 2200 rpm	85 kW (114 U.S. hp) at 2200 rpm
Maximum torque	375 Nm (276 lbf) at 1400 rpm	460 Nm (339 lbf) at 1600 rpm	460 Nm (339 lbf) at 1600 rpm
Emission technologies (SCR and DEF**)	Without SCR and DEF**	•	•
OPERATING WEIGHT			
Without work tool	9600 - 10600 kg (21,164 - 23,369 lbs)	9700 - 10800 kg (21,385 - 23,810 lbs)	10400 - 11200 kg (22,928 - 24,692 lbs)
FRONT LINKAGE			
Boom type	Mecalac versatile boom with offset		
Hydraulic quick coupler	CONNECT, as standard		
Hydraulic pump, implements (speed)	72cc	75cc	95cc
Maximum flow, high flow auxiliary	144 l/min (38 gpm)	157 l/min (41.5 gpm)	157 l/min (41.5 gpm)
Maximum pressure, high flow auxiliary	280 bar (4,061 PSI)	300 bar (4,351 PSI)	300 bar (4,351 PSI)
UNDERCARRIAGE			
Articulated chassis	•	•	•
Axles	Standard	Standard	Heavy duty, wide 1920 mm (6'3")
TRANSMISSION			
Gearbox	N/A	N/A	•
Maximum ground speed	25 kph (15.5 mph)	32 kph (20 mph)	40 kph (25 mph)
Maximum traction	4800 daN (10,791 lbf)	5650 daN (12,702 lbf)	6250 daN (14,051 lbf)
Maximum gradeability	26°	30°	33°

\* Product not available outside EU

\*\* SCR: Selective Catalytic Reduction  
DEF: Diesel Exhaust Fluid / AdBlue®

• = Standard equipment

# 12-SERIES

## 3 VERSIONS, 1 UNPARALLELED STANDARD THERE IS DEFINITELY ONE FOR YOU!

SPECIFICATIONS	12MSX	12MTX	12MRX
COMFORT OPTIONS	EU Stage V*	EU Stage V / U.S. EPA Tier 4 Final	EU Stage V / U.S. EPA Tier 4 Final
Grammer comfortable seats, ergonomic joysticks, new display interface	•	•	•
VERSATILITY OPTIONS			
Double inching pedal	•	•	•
Flows and pressures control of the high flow auxiliary via the monitor of the cab	N/A	o	•
Hammer return line	o	o	o
Tool leak return line, free of pressure	o	o	o
2 <sup>nd</sup> safety valves on the bucket linkage	o	o	o
Mecalac MR50 Tiltrotator	o	o	o
PRODUCTIVITY OPTIONS			
Joystick steering	N/A	o	•
Automatic work brake	N/A	o	•
Boom float	N/A	o	•
Heavy counterweight	o	o	•
MOBILITY OPTIONS			
Wide tires, 600/40-22.5	N/A	N/A	o
40 kph (25 mph) speed	N/A	N/A	•
Boom suspension	N/A	o	•
SAFETY / PROTECTION OPTIONS			
Reversing fan	N/A	o	o
Higher ROPS homologation	•	•	•
New LED road lights	•	•	•

\* Product not available outside EU

• = Standard equipment  
o = Optional equipment



# 12-SERIES

## KEY SPECIFICATIONS SUMMARY

	<b>12MSX</b>	<b>12MTX</b>	<b>12MRX</b>
Total operating weight	9600 - 10600 kg (21,164 - 23,369 lbs)	9700 - 10800 kg (21,385 - 23,810 lbs)	10400 - 11200 kg (22,928 - 24,692 lbs)
Engine power (EU Stage V / U.S. EPA Tier 4 Final*)	55 kW (75 hp)	85 kW (114 hp)	85 kW (114 hp)
Boom type	Mecalac versatile boom	Mecalac versatile boom	Mecalac versatile boom
Minimum overall width	2247 mm (7'4")	2247 mm (7'4")	2390 mm (7'10")
Counterweight swing radius	1385 mm (4'6")	1385 mm (4'6")	1385 mm (4'6")
Minimum full swing diameter	2710 mm (8'9")	2710 mm (8'9")	2710 mm (8'9")
Minimum turning radius outside of tires	4915 mm (16'1")	4915 mm (16'1")	4980 mm (16'4")
Travel speed	25 kph (15.5 mph)	32 kph (20 mph)	40 kph (25 mph)
Bucket volumes	0.08 - 0.75 m³ (0.10 - 0.98 yd³)	0.08 - 0.75 m³ (0.10 - 0.98 yd³)	0.08 - 0.75 m³ (0.10 - 0.98 yd³)
Lifting height with forks	+5000 mm / -3700 mm (+16'5" / -12'1")	+5000 mm / -3700 mm (+16'5" / -12'1")	+5000 mm / -3700 mm (+16'5" / -12'1")
Dumping height with loader bucket	4077 mm (13'4")	4077 mm (13'4")	4077 mm (13'4")
Maximum reach	7125 mm (23'4")	7125 mm (23'4")	7125 mm (23'4")

\* Environmental Protection Agency - 12MSX model not available outside EU



**DIGGING**



**LOADING**



**HANDLING**



**TOOL CARRIER**

**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) 4331 351 0

**MECALAC CONSTRUCTION  
EQUIPMENT UK LTD**  
Unit 1, Mallory Way  
Gallagher Business Park  
Coventry, CV6 6PB, UK  
Tel. +44 (0)24 7633 9400

**MECALAC İŞ MAKİNELERİ  
SAN. VE TİC. LTD. ŞTİ.**  
Ege Serbest Bölgesi  
Zafer SB Mahallesi Gündüz Sokak No:17/1  
35410, Gazıemir - İzmir - TÜRKİYE  
Tel. +90 232 220 11 15



**WWW.MECALAC.COM**