

# COMMERCIAL OFFER BACKHOE LOADER - **MST M 544**

COUNTRY OF ORIGIN – TÜRKIYE



<p><b>ENGINE</b> <b>ENGLAND</b>  <b>Model:</b> PERKINS 1104 C -44 T  <b>Type:</b> Four cylinder diesel engine with water cooling, turbocharger and intercooler. (Apparatus)  <b>Ecol . engine class:</b> Euro 2, <b>Engine capacity:</b> 4,400 cc.  <b>Max. power:</b> 74.5 kW / 100 hp (at 2200 rpm) <b>Max. torque</b> 408 Nm (at 1400 rpm)</p>	<p><b>BRAKE SYSTEM</b>  Service brake: hydraulic oil tank,  Self-adjusting disc brakes located inside the rear axle with separate brake pedals for the left and right wheels.  Parking brake: mechanical brake, controlled by a hand lever, acts on the rear axle differential</p>
<p><b>TRANSMISSION – CARRORO (ITALY)</b>  Heavy Duty Automatic Power Shift (TLB2-CD)—4 forward and 4 reverse  40 km/h max. speed  Full hydraulic control, 2 WD switch (2 wheel drive) / 4 WD (four-wheel drive)  2.64 / 1 transformation ratio in stop mode  Transmission oil cooling</p> <p><b>BRIDGES CARRORO (ITALY)</b> for use in harsh conditions  Front axle oscillation 16 °  2WD and 4WD function  Suspended planetary gearbox  Differential locking device on the rear axle</p>	<p><b>FILLING</b>  Engine oil with filter: 8.5 l  Engine cooling system: 21 l  Fuel tank: 140 l  Front axle differential: 8.5 l  Rear axle differential: 16 l  Transmission: 22L  Hydraulic system (total): 160 l</p> <p><b>ELECTRICAL SYSTEM</b>  Voltage: 12V  Battery: 135 Ampere  Generator: 85 A</p>
<p><b>HYDRAULIC SYSTEM - HEMA (Türkiye) -</b>  <b>Main pump ( GEAR TANDEM PUMP )</b>  Type: Tandem Gear Pump  Max. productivity: 145 l/min  Maximum generated pressure: 240 bar  Working pressure: 207 bar</p> <p><b>HYDRAULIC DISTRIBUTOR - HUSCO (ENGLAND)</b></p> <p><b>EXCAVATOR DIGGING PARAMETERS</b>  Maximum digging depth: 5706 mm  Maximum scooping (digging) radius: 7996 mm  Bucket working height: 6516 mm  Maximum loading over the sides: 4789 mm</p>	<p><b>TIRES model LASSA (TURKEY)</b>  Front tires: 16.9 – 28 (14 plies)  Rear tires: 16.9 – 28 (14 plies)</p> <p><b>LOADER PERFORMANCE</b>  Bucket capacity: 1.1 m<sup>3</sup>  Front bucket loading height: 3281 mm  Bucket breakout force: 7734 kgf  Boom breakout force: 5905 kgf  Max. load capacity: 3500 kg</p> <p><b>BACKHOE PERFORMANCE</b>  Rear bucket capacity: 0.27 m<sup>3</sup> and add. bucket 0.12 m<sup>3</sup>  Bucket breakout force: 6424 kgf  Boom breakout force: 3461 kgf</p>
<p><b>Controls: LEVER</b>  Includes the following additional options:</p> <ul style="list-style-type: none"> <li>• Air conditioner,</li> <li>• MP 3 SONY,</li> <li>• POWER SHIFT function,</li> <li>• Switch for front and rear drive wheels,</li> <li>• Hydraulic hoses for hydraulic hammer included,</li> <li>• Extended telescopic boom included,</li> <li>• Spare excavator bucket 0.12 m<sup>3</sup> included,</li> <li>• Quick release device for excavator bucket</li> </ul>	

- Frontal bucket with jaw grip
- Frontal bucket with forklift device
- The rear and front wheels are steerable, resulting in two additional functions:  
Function – “crab run” of wheels  
Function – “track after track” of wheels
- Cabin : FOPS ROPS



А- РУЧНОЙ ПЕРЕКЛЮЧАТЕЛЬ хода, увеличивает потенциал маневрирования во время погрузки в узких пространствах

В- Поворот от передних колес, используется при дорожной езде

С- Крабовый ход используется при копании вблизи стен и каналов