

OPERATING WEIGHT	1.65 t
ENGINE OUTPUT	13.1 kW (17.8 HP)
BUCKET CAPACITY	22-61 l
MAX. DIG DEPTH	2.2 m
MAX. REACH	3.9 m



# **Mini Excavator TC16**

#### **Technical data**

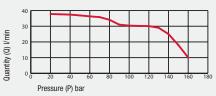
Manufacturer, modelMitsubishi, LisiType3-cylinder diesel engine, EPA/Tier 4 Final (2008)Combustion4-stroke, swirl chamber injectionNet norque35 Stroke, swirl chamber injectionDisplacement952 cmBattery55 Nm @ 2100 rpmCooling systemWaterBattery12 V/ 74 AhGenerator12 V/ 74 AhStarler0.02 V/ 74 AhGenerator12 V/ 74 AhGenerator0.02 A km/AhMatrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed.Straight-Travel'-function standard. Brake valve for downhill drive.Travel geed, forward and reverse0.02 A km/AhMat. gadeability0.60 AnOravabar pull1.51 GamMattenance-free crawler-type undercarriage provided as standard.Range of adjustment (water edge of crawlers)290 minTotal length (undercarriage)1.490 minTotal length (undercarriage)1.490 minTotal length (undercarriage)1.340 x 235 minDisper adjustment (outre realing ensitive control via hand levers200 minMatter adjustive of outral adjustment is the site sensitive control via hand levers combinedStope angle201 Cmin*Mith	Engine	
Combustion       4-stroke, swill chamber injection         Net power rating at 2,250 rpm (ISO 9249)       13.1 kW (17.8 hp)         Displacement       952 cm <sup>3</sup> Max. torque       55 Nm @ 2100 rpm         Cooling system       Water         Electrical system       Water         Electrical system       12 V/740         Starter       12 V/740         Starter       12 V/740         Starter       12 V/740         Starter       0-2.4 km/h         Max. gradeability       60%         Drawbar pull       1,160 daN         Undercarriage       0-2.4 km/h         Max. gradeability       60%         Drawbar pull       1,160 daN         Undercarriage       1,30 nm         Total length (sprocket - idler)       1,400 nm         Stope angle       25°         Stope angle       25°         Max gradeability       0.60 nm         Drawbar pull       1,400 x235 nm         Total length (sprocket - idler)       1,30 nm         Total length (sprock	Manufacturer, model	Mitsubishi, L3E
Net power rating at 2,250 rpm (ISO 9249)         13.1 kW (17.8 hp)           Displacement         952 cm <sup>3</sup> Max. torque         55 Nm @ 2100 rpm           Cooling system         Water           Electrical system         Water           Electrical system         12 V           Battery         12 V/74 Ah           Generator         12 V/74 Ah           Generator         12 V/74 Ah           Starter         12 V/74 Ah           Max. gradeability         0.60 An           Max.gradeability         0.61 An           Max.gradeability         0.62 An month           Max.gradeability         0.62 An month           Max.gradeability         0.61 An           Dispectrality erucates/extendable undercarriage. Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage.           Total length (sprocket - idler)         1.430 nm           Total length (sprocket - idler)         1.490 nm      <	Type 3-cylinder	diesel engine, EPA/Tier 4 Final (2008)
Displacement       952 cm <sup>3</sup> Max. torque       55 Nm @ 2100 rpm         Cooling system       Water         Electrical system       Water         Electrical system       12 V         Battery       12 V/74 Ah         Generator       02 V/74 Mh         Starter       02 V/74 Mh         Maintenance-free drive with axial piston variable displacement motor and reduction gear, fully enclosed         Diravbar pull       1,60 dah         Uddrecarriage       0-24 km/h         Maintenance-free crawlers/ pueleccarriage	Combustion	4-stroke, swirl chamber injection
Max. torque       55 Nm @ 2100 rpm         Cooling system       Water         Electrical system       12V         Battery       12V/74 Ah         Generator       12 V/74 Ah         Generator       12 V/74 Ah         Generator       12 V/74 Ah         Starier       12 V/74 Ah         Max. travel drive with adal piston variable displacement motor and reduction gear, fully enclosed, Straight-Travel*-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Ordercarriage       990-1,340 mm         Width rubber crawlers / steel crawlers)       990-1,340 mm         Vidth rubber crawlers / steel crawlers)       990-1,340 mm         Total length (undercarriage)       1,490 mm         Total length (undercarriage)       1,490 mm         Oczer blade       100 com         Independent of drive train, sensitive control via hand lever.       100 com         Width x height       1,340 x 235 mm         Ozer cut below ground / Dozer lift above ground       160 / 200 mm         Stope angle       25'         Steering       1440 mm         Hydrostatic drive, also acts as wear-restistant br	Net power rating at 2,250 rpm (ISO 9249)	13.1 kW (17.8 hp)
Cooling system       Water         Electrical system       12V         Nominal voltage       12V         Battery       12V/74 Ah         Generator       12V/17.kW         Power Transmission       12V/17.kW         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed.         "Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       00 %         Drawbar pull       1,160 dat         Undercarriage       990-1,340 mm         Width ubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,400 x235 mm         Dozer Diade       160/200 mm         Stope angle       25°         Stope angle       25°         Stope angle       25°         Stope angle       25°         Stope angle       0-10 min <sup>1</sup> Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>1</sup> Krickmatik*       20° / 370 mm         Angle of articulation / lateral adjustment left       60° / 370 mm     <	Displacement	952 cm <sup>3</sup>
Electrical system         Nominal voltage       12 V         Battery       12 V/74 Ah         Generator       12 V/14 Ah         Generator       12 V/17. KW         Power Transmission       12 V/17. KW         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.         "Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Unclercarriage       11,160 daN         Unclercarriage       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (sprocket - idler)       1,340 x 235 mm         Dozer blade       160/200 mm         Vidth x height       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160/200 mm         Stope angle       25°         Sterring       1         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Krickmatik*       200° / 370 mm         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right	Max. torque	55 Nm @ 2100 rpm
Nominal voltage       12 V         Battery       12 V/74 Ah         Generator       12 V/74 Ah         Generator       12 V/14 Ah         Starter       12 V/17. KW         Power Transmission       12 V/17. KW         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Undercoarriage       1,160 daN         Undercoarriage       230 mm         Aniatenance-free crawlers/type undercarriage. Idler suspension with hydraulic crawler-chain tension. Me-chanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (undercarriage)       1,430 mm         Dozer blade       1         Independent of drive train, sensitive control via hand lever.       Width x height         Uvidth x height       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Storing system       1 <t< td=""><td>Cooling system</td><td>Water</td></t<>	Cooling system	Water
Intervention       12 V/74 Ah         Generator       12 V/74 Ah         Starter       12 V/74 Ah         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Undercarriage       1,160 daN         Undercarriage       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blade       160 / 200 mm         Dozer cub blow ground / Dozer lift above ground       160 / 200 mm         Stope angle       255         Stope stope       0-10 min*         Midrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       Swing speed         Swing speed       0-10 min*         Knickmatik*       60° / 370 mm         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm	Electrical system	
Generator       12 V / 40 A         Starter       12 V / 17 kW         Pover Transmission       12 V / 17 kW         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.       17 avel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %       07 awbar pull       1,160 dath         Undercerriage       1,160 dath       0.160 mm         Waintenance-free crawler-type undercarriage level suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.       930-1,340 mm         Width rubber crawlers / steel crawlers       230 mm       11,130 mm         Total length (sprocket - idler)       1,340 x 235 mm       14,90 mm         Dozer blade       160 / 200 mm       205 mm         Independent of drive train, sensitive control via hand lever.       160 / 200 mm       205 mm         Stope angle       255	Nominal voltage	12 V
Starter       12 V / 1.7 kW         Power Transmission         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Unclercarriage       1,160 daN         Mintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (undercarriage)       1,130 mm         Total length (undercarriage)       1,490 mm         Midth x height       1,340 x 235 mm         Dozer blace       25°         Steering       25°         Independent of drive train, sensitive control via hand lever.       160 / 200 mm         Stope angle       25°         Steering       0-10 min <sup>1</sup> Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       50° / 370 mm         Swing speed       0-10 min <sup>1</sup> Knickmatik*       60° / 370 mm         Angle of articulation / later	Battery	12 V / 74 Ah
Power Transmission         Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Unclercarriage       1,160 daN         Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (undercarriage)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blace       1         Independent of drive train, sensitive control via hand lever.       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       1         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing speed         Swing speed       0-10 min <sup>1</sup> Knickmatik*       Lateral parallel adjustment of boom arrangement at full digging depth.         Ang	Generator	12 V / 40 A
Hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed.         "straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN         Uncdercarriage       Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blace       1         Independent of drive train, sensitive control via hand lever.       160 / 200 mm         Stope angle       25°         Steering       25°         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.         Swing system       0-10 min <sup>-1</sup> Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing system       0-10 min <sup>-1</sup> Angle of articulation / lateral adjustment efft       60° / 370 mm         Angle of articulation / lateral	Starter	12 V / 1.7 kW
"Straight-Travel"-function standard. Brake valve for downhill drive.         Travel speed, forward and reverse       0-2.4 km/h         Max. gradeability       60 %         Drawbar pull       1,160 daN <b>Uncdercarriage</b> 1,160 daN <b>Uncdercarriage</b> 900-1,340 mm         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blade       1,340 x 235 mm         Dozer blade       25°         Steering       25°         Steering       25°         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Swing system       0-10 min <sup>-1</sup> Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Swing system       0-10 min <sup>-1</sup> Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fuid Capacities       60° / 510 mm	Power Transmission	
Max. gradeability       60 %         Drawbar pull       1,160 daN         Undercarriage       Indercarriage         Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blace       Independent of drive train, sensitive control via hand lever.         Width x height       1,340 x 235 mm         Dozer ublelow ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       1         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Knickmatik*       20° / 370 mm         Lateral parallel adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Angle of articulation / lateral adjustment right       60° / 510 mm		r and reduction gear, fully enclosed.
Drawbar pull       1,160 daN         Undercarriage       Maintenance-free crawler-type undercarriage, Idler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Witht rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blade       1,490 mm         Independent of drive train, sensitive control via hand lever.       1,340 x 235 mm         Vidth x height       1,340 x 235 mm         Dozer ubleow ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       1         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       5wing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Knickmatik®       0-10 min <sup>-1</sup> Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fuel tank       301 </td <td>Travel speed, forward and reverse</td> <td>0-2.4 km/h</td>	Travel speed, forward and reverse	0-2.4 km/h
Undercarriage         Maintenance-free crawler-type undercarriage, Idler suspension with hydraulic crawler-chain tension. Me- chanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Witht rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blade       1,490 mm         Independent of drive train, sensitive control via hand lever.       1,340 x 235 mm         Width x height       1,340 x 235 mm         Dozer ublow ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       1         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Knickmatik®       0-10 min <sup>-1</sup> Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fuid Capacities       510	Max. gradeability	60 %
Maintenance-free crawler-type undercarriage ldler suspension with hydraulic crawler-chain tension. Mechanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm <b>Dozer blacke</b> 1,490 mm         Independent of drive train, sensitive control via hand lever.       160 / 200 mm         Width x height       1,340 x 235 mm         Dozer ubleow ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       1         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Swing system       0-10 min <sup>-1</sup> Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Swing speed       0-10 min <sup>-1</sup> Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Angle of articulation / lateral adjustment right       60° / 100 mm	Drawbar pull	1,160 daN
chanically retractable/extendable undercarriage provided as standard.         Range of adjustment (outer edge of crawlers)       990-1,340 mm         Width rubber crawlers / steel crawlers       230 mm         Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm <b>Dozer blade</b> 1         Independent of drive train, sensitive control via hand lever.       1         Width x height       1,340 x 235 mm         Dozer ubelow ground / Dozer lift above ground       160 / 200 mm         Stope angle       25°         Steering       1         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Knickmatik®       0-10 min <sup>-1</sup> Lateral parallel adjustment of boom arrangement at full digging depth.       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fuid Capacities       510 mm	Undercarriage	
Width rubber crawlers / steel crawlers     230 mm       Total length (sprocket - idler)     1,130 mm       Total length (undercarriage)     1,490 mm       Dozer blace     1,340 x 235 mm       Independent of drive train, sensitive control via hand lever.     1,60 / 200 mm       Width x height     1,340 x 235 mm       Dozer cut below ground / Dozer lift above ground     160 / 200 mm       Slope angle     25°       Steering     1       Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.     1       Swing system     0-10 min <sup>-1</sup> Knickmatike     0       Lateral parallel adjustment of boom arrangement at full digging depth.     60° / 370 mm       Angle of articulation / lateral adjustment left     60° / 510 mm       Angle of articulation / lateral adjustment right     60° / 510 mm       Fluid Capacities     501	,, o ,	hydraulic crawler-chain tension. Me-
Total length (sprocket - idler)       1,130 mm         Total length (undercarriage)       1,490 mm         Dozer blace       1,340 x 235 mm         Independent of drive train, sensitive control via hand lever.       1,340 x 235 mm         Witth x height       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       25°         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>-1</sup> Knickmatike       60° / 370 mm         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       501	Range of adjustment (outer edge of crawlers)	990-1,340 mm
Total length (undercarriage)1,490 mmDozer bladeIndependent of drive train, sensitive control via hand lever.Width x height1,340 x 235 mmDozer cut below ground / Dozer lift above ground160 / 200 mmSlope angle25°SteeringIndependent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.Swing systemHydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.Swing speed0-10 min <sup>-1</sup> Knickmatik®0-10 min <sup>-1</sup> Lateral parallel adjustment of boom arrangement at full digging depth.60° / 370 mmAngle of articulation / lateral adjustment right60° / 100 min <sup>-1</sup> Fuid Capacities500 mmFuel tank301	Width rubber crawlers / steel crawlers	230 mm
Dozer blade         Independent of drive train, sensitive control via hand lever.         Width x height       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.         Swing system       Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Knickmatik®       Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment right       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fuel tank       301	Total length (sprocket - idler)	1,130 mm
Independent of drive train, sensitive control via hand lever.         Width x height       1,340 x 235 mm         Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>1</sup> Knickmatik®       0-10 min <sup>1</sup> Lateral parallel adjustment of boom arrangement at full digging depth.       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fuid Capacities       510 mm	Total length (undercarriage)	1,490 mm
Width x height1,340 x 235 mmDozer cut below ground / Dozer lift above ground160 / 200 mmSlope angle25°SteeringIndependent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.Image and the sensitive control via hand levers combined of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.Swing systemImage and the sensitive control via hand levers combined intermally toothed ring gear.Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.Swing speed0-10 min <sup>-1</sup> Knickmatik®1Lateral parallel adjustment of boom arrangement at full digging depth.Angle of articulation / lateral adjustment right60° / 370 mmAngle of articulation / lateral adjustment right60° / 100 mmFluid Capacities1Fuel tank301	Dozer blade	
Dozer cut below ground / Dozer lift above ground       160 / 200 mm         Slope angle       25°         Steering       Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.       Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.       0-10 min <sup>1</sup> Knickmatik®       0-10 min <sup>1</sup> Lateral parallel adjustment of boom arrangement at full digging depth.       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fuid Capacities       500 mm	Independent of drive train, sensitive control via hand lever.	
Slope angle       25°         Steering       Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.         Swing system       Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Knickmatik®       1         Lateral parallel adjustment of boom arrangement at full digging depth.       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fluid Capacities       1         Fuel tank       301	Width x height	1,340 x 235 mm
Steering         Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.         Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Knickmatik®         Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 100 mm         Fluid Capacities       501	Dozer cut below ground / Dozer lift above ground	160 / 200 mm
Independent, individual control of crawlers, also counterwise. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest.         Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Knickmatik®         Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fuel tank       301	Slope angle	25°
with foot pedals. Pedal console serving as foot rest.         Swing system         Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>-1</sup> Knickmatik*         Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       301	Steering	
Hydrostatic drive, also acts as wear-restistant brake. Internally toothed ring gear.         Swing speed       0-10 min <sup>1</sup> Knickmatik*         Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       501		ve control via hand levers combined
Swing speed     0-10 min <sup>-1</sup> Knickmatik®       Lateral parallel adjustment of boom arrangement at full digging depth.       Angle of articulation / lateral adjustment left     60° / 370 mm       Angle of articulation / lateral adjustment right     60° / 510 mm       Fluid Capacities     501	Swing system	
Knickmatik*         Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       Fuel tank       301	Hydrostatic drive, also acts as wear-restistant brake. Internally toothed	ring gear.
Lateral parallel adjustment of boom arrangement at full digging depth.         Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       501	Swing speed	0-10 min <sup>-1</sup>
Angle of articulation / lateral adjustment left       60° / 370 mm         Angle of articulation / lateral adjustment right       60° / 510 mm         Fluid Capacities       500 mm         Fuel tank       301 mm	Knickmatik <sup>®</sup>	
Angle of articulation / lateral adjustment right     60° / 510 mm       Fluid Capacities       Fuel tank     301	Lateral parallel adjustment of boom arrangement at full digging depth.	
Fluid Capacities Fuel tank 301	Angle of articulation / lateral adjustment left	60° / 370 mm
Fuel tank 30 I	Angle of articulation / lateral adjustment right	60° / 510 mm
	Fluid Capacities	
Hydraulic system (tank 25 l) 35 l	Fuel tank	30
	Hydraulic system (tank 25 l)	35

Operating data, standard equipment	
Transport weight (incl. bucket)	1,650 kg
Operating weight acc. to ISO 6016 (incl. operator)	1,725 kg
Total length (travel position)	2,500 mm
Total length (trailer transport position)	3,800 (3,720*) mm
Total height (travel position)	2,390 mm
Width (Crawlers retracted)	990 mm
Uppercarriage tailswing	1,130 mm
Uppercarriage frontswing	1,240 mm
Working envelope 180° / 360°	2,370 / 2,500 mm
Ground clearance	170 mm
Bucket digging force (ISO 6015)	14,400 N
Stick digging force (ISO 6015)	9,300 (8,300*) N
Ground pressure (rubber crawlers)	0.25 daN/cm <sup>2</sup>
Ground pressure (steel crawlers)	0.26 daN/cm <sup>2</sup>
Hydraulic system	
Working hydraulics: Dual fixed displacement pump with integrated pov division (LUDV) for all work functions and travel drive. Simultaneous inde	
Max. working pressure	165 bar
Max. pump capacity	31.5 + 18 l/mir
Tank-immersed return filter with electric contamination indicator, full fi provided as standard. Boom, dipperstick and articulated cylinders with sides, bucket retract function with one-side end-position damping.	·
Onen voture provided as standard All functions can be activated property	Secolly The same contract in the

Open return provided as standard. All functions can be activated proportionally. Two servo-assisted joystick controls for excavator operations. Shut-off of all functions when operator dismounts from machine.

Control circuit for work attachments (standard):

Diagram shows P/Q provided on couplers.



#### Cab

Spacious, sound-insulated full-vision steel cab, FOPS\*\* (acc. to ISO 3449) and TOPS (acc. to ISO 12117) certified. Two equally large doors. Safety glass windows, thermo windows tinted in green. Skylight thermo window, bronze tinted. Panoramic rear window. Front window supported by pneumatic springs, lockable for ventilation and slidable under cab roof. Windshield washer system. Storage box. Radio pre-installation. Left-hand outside rear-view mirror.

Cab heating with windshield defroster through coolant heat exchanger and 2-speed fan, ventilating mode in summer.

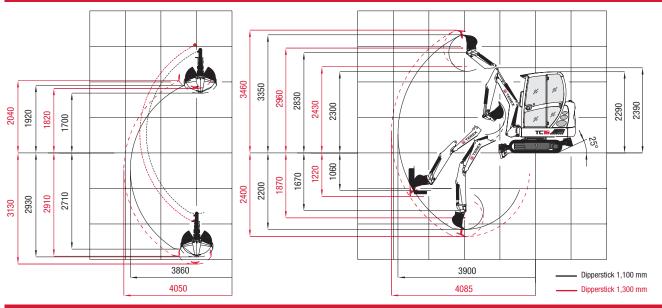
Fabric-covered, mechanically cushioned driver's seat with armrests, height, tilt and weight adjustments. Lap seat belt.

Instrument panel on the right hand side of the operator's seat with visual & acoustic warning device, hour- meter, instrument cluster with large fuel gauge. Working flood lights Halogen H-3.							
Noise emission ambience L <sub>wa</sub>	93 dB (A)						
Noise emission cab L <sub>pA</sub>	78 dB (A)						
Measured in dynamic measuring cycle acc. to FEC-directive 2000/14							

\*with dipperstick 1,300 mm (optional)

\*\*FOPS-approved only with skylight guard (optional)

### Working ranges: Monobloc boom



## Lifting capacities

Bucket hir	Bucket hinge height Load radius from center of ring gear																
Dipperstick	(1,100 mm		1.5	i m		2.0 m				2.5 m				3.0 m			
		UE		UR		UE		UR		UE		UR		UE		ι	JR
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
2.0 m	S	-	-	-	-	0.56	0.47	0.56	0.37	0.54	0.38	0.54	0.29	-	-	-	-
	Т	-	-	-	-	0.38	0.46	0.38	0.32	0.34	0.37	0.34	0.24	-	-	-	-
1.0 m	S	0,89	0,79	0,89	0.69	0.70	0.50	0.70	0.39	0.56	0.37	0.56	0.27	0.35	0.32	0.35	0.21
	Т	0,54	0,77	0,54	0.60	0.38	0.49	0.38	0.32	0.28	0.36	0.28	0.23	0.19	0.30	0.19	0.19
0 m	S	0,92	0,71	0,92	0.49	0.64	0.47	0.64	0.33	0.44	0.35	0.44	0.25	0.31	0.31	0.31	0.20
	Т	0,59	0,69	0,59	0.41	0.34	0.46	0.34	0.28	0.23	0.34	0.23	0.21	0.18	0.29	0.18	0.18
-0.75 m	S	0,64	0,61	0,64	0.42	0.46	0.46	0.46	0.31	0.33	0.33	0.33	0.24	0.22	0.30	0.22	0.19
	т	0,50	0,61	0,50	0.37	0.29	0.46	0.29	0.27	0.23	0.33	0.23	0.20	0.17	0.28	0.17	0.17

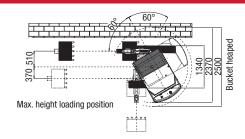
Bucket hir	nge height	eight Load radius from center of ring gear															
Dipperstick	1,300 mm		1.5	m		2.0 m					2.	5 m		3.0 m			
		U	E	U	R	UE		UR		UE		UR		UE		UR	
		End	Side	End	Side	End	End Side End Side		Side	End	Side	End Side		End	Side	End	Side
2.0 m	S	-	-	-	-	-	-	-	-	0.45	0.46	0.45	0.29	0.35	0.32	0.35	0.22
	Т	-	-	-	-	-	-	-	-	0.30	0.45	0.30	0.27	0.21	0.30	0.21	0.21
1.0 m	S	-	-	-	-	0.64	0.61	0.64	0.44	0.40	0.39	0.40	0.28	0.35	0.32	0.35	0.21
	Т	-	-	-	-	0.40	0.61	0.40	0.36	0.28	0.39	0.28	0.26	0.23	0.30	0.23	0.19
0 m	S	0,99	0,78	0,99	0.53	0.61	0.53	0.61	0.36	0.44	0.37	0.44	0.27	0.32	0.31	0.32	0.20
	т	0,58	0,75	0,58	0.45	0.36	0.50	0.36	0.32	0.26	0.37	0.26	0.24	0.21	0.29	0.21	0.18
-0.75 m	S	0,68	0,77	0,68	0.50	0.49	0.51	0.49	0.34	0.35	0.37	0.35	0.25	0.25	0.30	0.25	0.19
	Т	0,50	0,74	0,50	0.47	0.35	0.52	0.35	0.30	0.29	0.37	0.29	0.23	0.20	0.28	0.20	0.17

All values in tons (t) were determined acc. to ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic lifting capacity. All values were determined with quick-attach system but without bucket. In case of mounted-on work attachments, the deadweights of the work attachments must be deducted from the permissible payloads. Working equipment: Rubber crawlers.

Abbreviations: UE = Undercarriage extended, UR = Undercarriage retracted, S = Supported by blade, T = Traveling

#### Dimensions

Working equipment: Monobloc boom with dipperstick 1,100 mm





**Terex GmbH** Schaeffstrasse 8 D-74595 Langenburg, Germany **PHONE** +49 (0)7905 / 58-0 **FAX** +49 (0)7905 / 58114 **EMAIL** info@terex-schaeff.com **WEB** terex-schaeff.de

TC160108-EN (2) Effective date: January 2008. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2008 Terex Corporation.