



## ZY16-7 Mini Crawler Excavator

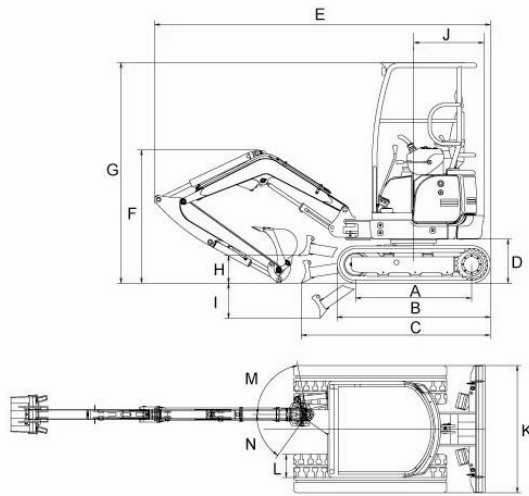
### ZY16-7 Mini Crawler Excavator

#### ZY16-7

- Small size with outstanding performance, short-tail design for working in confined areas.
- Original Perkins engine complies with EPA and EC tier 3 emission regulation.
- Imported hydraulic pumps, valves, motors ensure high performance.
- Imported hydraulic pilot valve controls the travel, dozer blade and working devices, ensuring more smooth operation.
- The extendable chassis (from 980 to 1300mm) not only improves working stability, but also allows entry into tight spaces.
- Easily removable canopy allows entry into low spaces.
- Swing boom enables the operator to do digging job next to a wall and other narrow areas without moving upper structure frequently.
- Auxillary hydraulic piping accomodates both one and two-way hydraulic attachments.

## ZY16-7 Dimensions

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Item	Standard (mm)
A Overall width	1183
B Shoe length	1563
C Undercarriage length	1929
D Ground clearance of platform	450
E Overall length	3426
F Boom transport height	1360
G Overall height	2250
H Max.raising height from ground	281
I Max.lowering depth from ground	358
J Rear slewing radius	718
K Max.overall width	980-1300
L Shoe width	230
M Swing angle(R)	79°
N Swing angle(L)	54°

### Specifications

Operating weight	1800kg
Standard bucket capacity	0.06m <sup>3</sup>
Track shoe width	230mm
Arm length	1200mm
Boom length	1650mm

### Engine

Model	Perkins 403D-07
Type	Natural aspirated
Power	12.2kw/2300rpm
Max.torque	44.5N•m at 2200rpm
No.of cylinders	3
Displacement	0.76L

### Hydraulic system

Main pump:	
Type	Variable displacement axial piston pumps
Max.displacement	2X9cm <sup>3</sup> /r
Working pressure	21Mpa
Hydraulic motor:	
Slew	Fixed displacement axial piston motor
Travel	Variable displacement axial piston motors

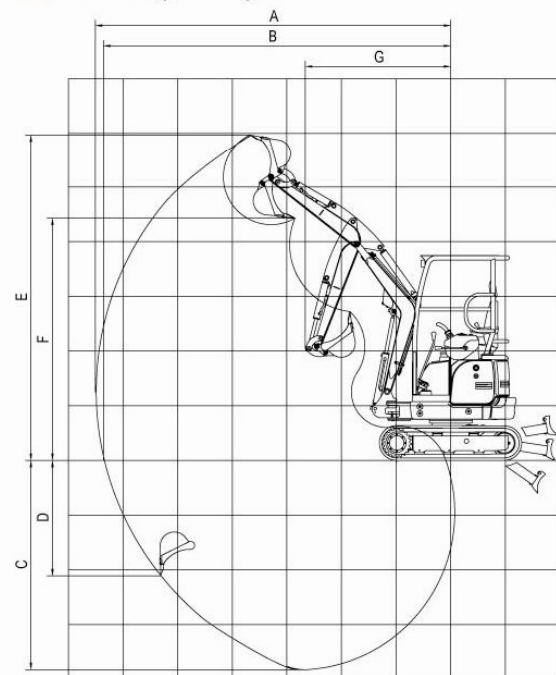
### Performance

Slew speed	10rpm
Max.travel speed high/low	3.9/2.0km/h
Gradeability	35°
Tractive effort	13.6kN
Max.digging force of bucket	16.1kN
Max.digging force of arm	8.8kN
Ground pressure	0.277kg/cm <sup>2</sup>

### Tank capacity

Fuel tank capacity	20L
Hydraulic tank capacity	28L

## Working Ranges



Item	Standard (mm)
A Max.digging reach	3897
B Max.digging reach on ground	3807
C Max.digging depth	2290
D Max.vertical wall digging depth	1539
E Max.cutting height	3606
F Max.dumping height	2628
G Min.front slew radius	1596