

Reliability in Action

# ER616F EXCAVATOR

Operating Weight: 1,880kg  
Engine Power: 10kW / 13hp  
Zero Tail Swing





## Small in size and ready for big things!

The SDLG newly designed ER616F excavator is compact in size with a powerful, yet energy saving engine. With simple operation and the ability to accommodate a variety of attachments, you can rely on this machine to get your job done easily and efficiently.



### 50 YEARS OF RELIABILITY

SDLG is an internationally renowned brand spanning 130 countries, and over 50 years of equipment manufacturing expertise.



### MEMBER OF THE VOLVO GROUP SINCE 2007

SDLG machinery integrates the design influence and quality control standards of Volvo.



### 3 YEAR / 6,000 HR WARRANTY\*

Backed nationally by CJD Equipment's extensive branch and SDLG dealer network.

### POWERFUL & EFFICIENT

The highly efficient original Kubota engine, coupled with an energy-saving hydraulic system, delivers both power and fuel economy. The mechanical accelerator control features simplicity and reliability with stable operation and high combustion efficiency.

### OPERATOR COMFORT

The ER616F has an excellent field of vision coupled with rollover protection. This machine is simple to operate with a convenient pilot handle and control switch within easy reach to reduce operator fatigue and improve productivity.

### EASY TO MAINTAIN

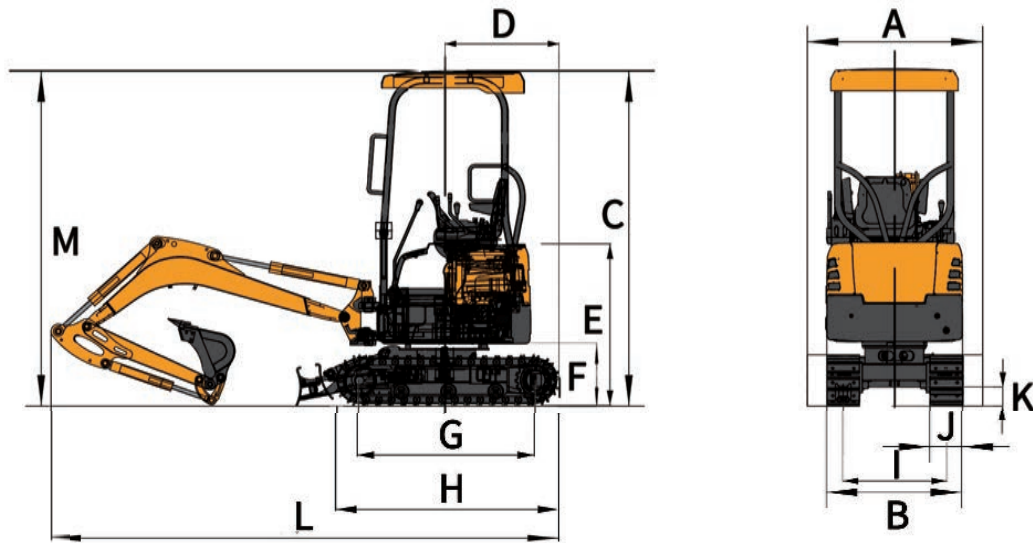
Designed to minimise maintenance efforts, the main components, filters and lubrication systems are grouped in the main engine hood for easy access and convenience.

### RELIABLE & DURABLE

High-quality hydraulic components provide precise action control with increased stability. The upper frame is a welded structure featuring an even load distribution and increased rigidity.



# Main Parameter



ITEM	SPECIFICATIONS
<b>OVERALL DIMENSIONS</b>	
Overall width of upper assembly (A)	970 mm
Overall width (B)	970 (1,240)mm
Overall height (C)	2,375 mm
Tail swing radius (D)	620 mm
Overall height of engine hood (E)	1,150 mm
Ground clearance of counterweight (F)	453 mm
Wheelbase (G)	1,230 mm
Crawler length (H)	1,585 mm
Crawler gauge (I)	730 (1,010) mm
Crawler pad width (J)	230 mm
Min. ground clearance (K)	145 mm
Overall length (L)	3,608 mm
Overall height of boom (M)	1,190 mm

<b>ENGINE</b>	
Model	D782
Type	3 cylinder inline, water-cooled, four-stroke
Engine power	9.8 kW
Displacement	778 ml
Cylinder bore × stroke	67×73.6 mm
Emission standard	GB 20891-2014 (China Phase III)
Min.fuel-consume ratio	253 g/kW.h
Max. torque/speed	44.5 Nm@1800r/min

<b>TRAVELING/SWING SYSTEM</b>	
Qty. of track rollers (single side)	3
Traveling brake type	Wet and disc type
Swing mode	Hydraulic drive internal tooth single-row ball-bearing
Swing brake type	Wet and disc type

\* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change. Illustrations in the text may not always be the standard illustrations for this model.

ITEM	SPECIFICATIONS
<b>OVERALL PARAMETERS</b>	
Bucket capacity	0.04 m <sup>3</sup>
Overall operating weight	1,880 kg
Max. excavation force	15 kN
Slew speed	9.2 r/min
Traveling speed (low/high)	2/4 km/h
Average ground pressure	33 kPa
Max. digging radius	3,910 mm
Max. digging depth	2,290 mm
Max. digging height	3,505 mm
Max. dumping height	2,490 mm
Min. front slewing radius	1,490 mm

<b>HYDRAULIC SYSTEM</b>	
Hydraulic control type	Pilot proportional control valve
Hydraulic system type	Three pump throttling system
Max. flow	52 L/min
Main pump model	MVP 30.20D
Operating pressure	20.6 MPa
Main valve model	HVSE-09
Arm cylinder - cylinder bore × diameter of piston rod × stroke	1-60×35×347 mm
Boom cylinder - cylinder bore × diameter of piston rod × stroke	1-60×30×465 mm
Bucket cylinder - cylinder bore × diameter of piston rod × stroke	1-60×35×267 mm

<b>FILL CAPACITY</b>	
Fuel	18 L
Engine oil	3.8 L
Hydraulic oil	23 L
Antifreeze	3 L
Traveling reducer	2×0.35 L

# Equipment & Features

## STANDARD EQUIPMENT

### ENGINE

Kubota engine	Two-stage air filters
Multi-stage fuel filters	Fuel water separator

### ELECTRICAL

Central fuse box	Colour monitor
Working lights (Frame-mounted & Boom-mounted)	Lock lever

### HYDRAULIC SYSTEM

Constant power hydraulic system	Hydraulic oil (ISO VG46)
Multi-stage filtration	

### UNDERCARRIAGE

Durable "X" under-carriage	Retractable undercarriage
Reinforced bottom rollers	Rubber tracks

### CAB & INTERIOR

Dual arm rests	Master key
Seat belt	ROPS/TOPS/OPG1 Canopy
Joysticks	
Hour meter	

### FRAME

Reinforced revolving frame	Dozer blade
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## OPTIONAL EQUIPMENT

### ATTACHMENTS

Breaker

### UNDERCARRIAGE

Rubber pads



Founded in 1974, CJD Equipment is a privately-owned Australian company and leading provider of world class equipment and trucks. Offering a diverse range of products from iconic brands such as Volvo CE and SDLG, CJD's branch and SDLG dealer network spans the country, with 24/7 sales, parts and service support from over 600 highly experienced staff.

#### Head Office

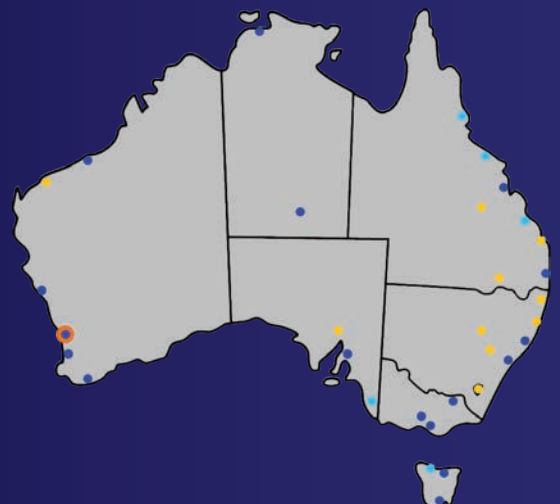
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BIG ENOUGH TO TRUST SMALL ENOUGH TO CARE

SDLG ER616F (08-2023)

Australian Version