



Your Growth Machine

E6135Fi Hydraulic Excavator

Powerful performance



Gross Power: 101 hp

Operating Weight: 12500 kg

Member of the Volvo Group

Technical Specifications

Standard Equipment

Engine		
Make & Model	Dalian Duetz BF4M2012-10T3R-8124	
Type	Four stroke, Turbocharged, intercooled	
Power	hp @ r/min	101@2000
Max. Torque	Nm / r/min	425/1500
Number of cylinders	4	
Displacement	ml	4038
Bore x Stroke	mm	101 x 126

Electrical System		
System voltage	V	24
Battery voltage	V	24
Battery capacity	Ah	2 x 100
Alternator voltage	V	28
Starter voltage	V	24

Under Carriage		
No. of track shoes	2 x 42	
No. of top rollers	2 x 1	
No. of bottom rollers	2 x 6	
No. of track guards	2 x 1	

Parameter		
Total mass	kg	12500
Bucket capacity	m³	0.55
Bucket capacity range	m³	0.48 & 0.6
Average ground pressure	mm	40.9
Slewing speed	r/min	10.3
Travelling speed (low / high)	km/h	3.0 / 5.1
Maximum digging force	kN	85

Hydraulic system		
Hydraulic system type	-	Double Pump Negative Flow Control
Working pressure	kgf/cm²	330/350
Main valve model	-	HVME180B
Hydraulic control type	Pilot-actuated proportional control valve	
Maximum flow rate	l/min	2 x 110 +20
Main pump	2 x variable displacement axial piston pump	
Motor (rotary / travel) model	M5X80CHB/TM22VC	

Hydraulic cylinder		
Boom cylinder - bore x stroke	mm	2 - 100 x 973
Arm cylinder - bore x stroke	mm	1 - 115 x 970
Bucket cylinder - bore x stroke	mm	1 - 90 x 856

Fuel charge		
Fuel filling capacity	l	260
Hydraulic oil filling capacity	l	190
Engine oil filling capacity	l	13
Oil filling capacity of walking reducer	l	2 x 2.2
Oil filling capacity of slewing reducer	l	3.9
Water radiator anti freeze coolant	l	19.5

Rotary system		
Slewing type	Hydraulic internal-tooth single-row ball bearing	
Type of slewing brake	Wet disc (hydraulic oil release, spring compression)	

Walking system		
No. of supporting wheel (one side)	6	
Track shoe width (three-teeth)	mm	500
Number of carrier roller (one side)	1	

Type of travel brake	Wet disc (hydraulic oil release, spring compression)	
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Swing system		
Swing motor	- Axial piston motor	
Swing brake	- Wet disc	
Swing speed	r/min	0-10.3

Drive and Brakes		
Drive motor	2 axial piston motors	
Max drawbar pull	kN	109.8
Max travel speed {low/high}	km/h	3.0 / 5.1
Service/parking brakes	Wet disc, spring applied, hydraulic release	
Gradeability	35	

Attachments		
Capacity	m³	0.55
Width	mm	1040
Weight	kg	497
No. of teeth / sidecutters	5/2	

Equipment and Features

Standard Equipment

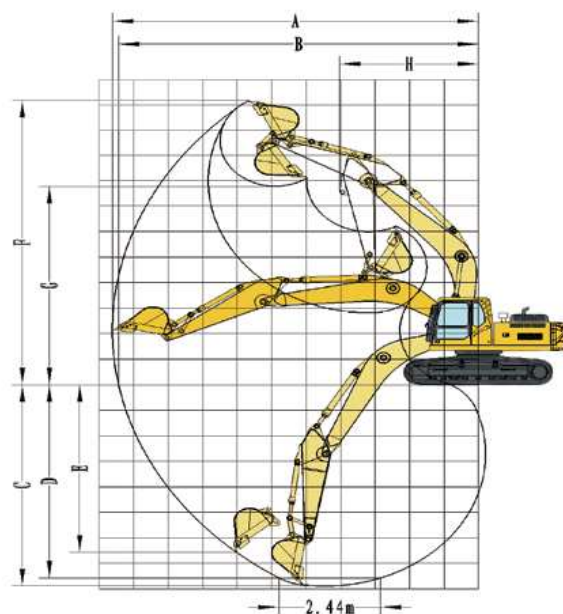
Engine	
Dalian Duetz Engine	S
Electronic unit injection pump	-
Turbocharger	
Inter-cooler	
Two-stage air filters	S
Three-stage fuel filters	S
Oil-water separator	S
Pre-heater	S
Electrical/Electronic control system	
Engine safe start with restart prevention	S
Oil-water separator level indicator	S
Automatic idling system	S
10 work modes	S
Central fuse box	S
High-capacity halogen work lights (Frame-mounted 2 & Boom-mounted 1 LH)	S
Battery, 24V	
Colour monitor and keypad	S
Acoustic travel alarm	S
Lock lever	S
Fault diagnosis interface (tool not included)	
Hydraulic system	
Load-sensing hydraulic system	S
Negative flow hydraulic system	
Boom/arm/swing priority	S
Boom/arm regeneration	S
Boom/arm holding	S
Automatic two speed travel motors	S
Cylinder/motor cushioning	S
Dust sealing	S
Hydraulic oil (ISO VG46)	S
Muilti-stage filtration	S
Frames	
Reinforced revolving frame	S
Reinforced boom mounting	S
Heavy-duty anti-sintering bushing	S
Rear view mirror	S
Access way with handrail	S
Centralized lubrication posts	S

Undercarriage	
Durable "X" undercarriage	S
Greased and sealed track links	S
Reinforced carrier / top rollers	S
Steel track with triple grousers	S
Cab and interior	
Fabric operator seat with suspension	S
Seat belt	S
Joysticks	S
Radio with MP3/AUX	S
Master key	S
Hour meter	S
Sun visor	S
Dual arm rests	S
Air conditioner	S
Sliding wind screen	S
Cup holder	S
OPTIONAL EQUIPMENT	
Electrical/Electronic control system	
Fuel filler pump	0
Extra halogen work lights (Cab-mounted 1/ Counter weight-mounted 1)	0
Rotating warning beacon	0
Rear-view camera	0
Burglar alarm	0
Hydraulic system	
High-temperature/Low-temperature hydraulic oil module	0
Undercarriage	
600 / 700 / 800 mm steel track	0
Attachments	
Light Material Bucket	0
HD Bucket	0
X1 pipes	0
X3 pipes	0
Side or top mounted breakers	0
Hydraulic crusher	0
Log grapple	0
Light front FOG (faling object guard)	0
Heavy front / top FOG	0

Dimensions

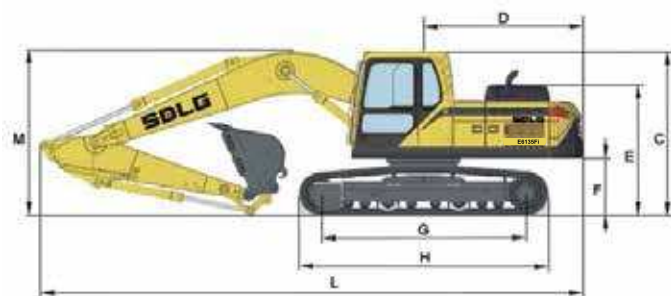
Excavating range

A. Maximum digging radius	mm	7790
B. Maximum digging radius of -reference ground	mm	7650
C. Maximum digging depth	mm	5060
E. Maximum vertical digging depth	mm	4625
F. Maximum digging height	mm	7900
G. Maximum discharge height	mm	5625
H. Minimum front turning radius	mm	2650
Shovel width (with band edge)	mm	1087



Dimensions

A. Overall width of upper assembly	mm	2450
B. Overall width	mm	2490
Overall width of chassis	mm	2490
C. Overall height to cab top	mm	2770
D. Rear swing radius	mm	2200
D. Maximum digging depth	mm	4920
E. Overall height to hood top	mm	2080
F. Ground clearance of upper assembly	mm	900
G. Wheel base	mm	2700
H. Overall length of crawler	mm	3440
I. Wheel track of crawler	mm	1990
J. Track shoe width	mm	500
K. Minimum ground clearance	mm	430
L. Overall length	mm	7340
Overall height	mm	2830
Boom length	mm	4260
Wheel track	mm	1990
Arm length	mm	2315
Contour dimension of complete machine	mm	7340 x 2490 x 2830



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