

# Equipment and Features

STANDARD EQUIPMENT			
	E6255F	E6275F	E6300F
Engine			
Dachai engine	S	S	S
Pilot control positive flow	S	S	S
Three-stage air filters	S	S	S
Three-stage fuel filters	S	S	S
Fuel water separator	S	S	S
turbocharger	S	S	S
tech tool fault defect	S	S	S
Electrical/Electronic control system			
Engine safe start with restart prevention	S	S	S
Oil-water separator level indicator	S	S	S
Automatic idling system	S	S	S
10 work modes	S	S	S
Central fuse box	S	S	S
Halogen working lights (Frame-mounted & Boom-mounted)	S	S	S
Battery, 12V	S	S	S
GPS	S	S	S
Start motor, 12V	S	S	S
Colour monitor	S	S	S
Lock lever	S	S	S
Hydraulic system			
Load-sensing hydraulic system	S	S	S
Boom/Arm/Swing priority	S	S	S
Boom/Arm regeneration	S	S	S
Boom/Arm holding	S	S	S
Two speed travel motors	S	S	S
Cylinder/motor cushioning	S	S	S
Antifouling sealing	S	S	S
Muilti-stage filtration	S	S	S
Frame			
Reinforced revolving frame	S	S	S
Dozer blade	S	S	S
Rear-view mirror	S	S	S
Tool storage area	S	S	S

	E6255F	E6275F	E6300F
Undercarriage			
Durable "X" under-carriage	S	S	S
Greased and sealed track links	S	S	S
Reinforced carrier/top roller	S	S	S
Cab and interior			
Fabric operator seat with suspension	S	S	S
Seat belt	S	S	S
Joysticks	S	S	S
Radio with MP3/AUX	S	S	S
Master key	S	S	S
Hour meter	S	S	S
Sun visor	S	S	S
Dual arm rests	S	S	S
Air conditioner	S	S	S
Sliding wind screen	S	S	S
OPTIONAL EQUIPMENT			
	E6255F	E6275F	E6300F
Electrical/Electronic control system			
Fuel filler pump	o	o	o
Extra halogen working lights (Cab-mounted or Boom-mounted)	o	o	o
Rotating warning beacon	o	o	o
Rear-view camera	o	o	o
Undercarriage			
Reinforced undercarriage	s	s	s
Heavy duty protective chasis	s	s	s
600MM Track	s	s	s
700MM Track	o	o	o
800MM Track	o	o	o
900MM Track	o	o	o
Attachment			
GP bucket	s	s	s
X1 pipes	o	o	o
X3 pipes	o	o	o
Breaker	o	o	o
HD bucket	o	o	o
LM bucket	o	o	o



E6255F/E6275F/E6300F  
Hydraulic Excavator



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SDLG is member of the Volvo Group and one of the largest manufacturers of construction machinery in China, with a wide network of dealerships and service workshops throughout the world.





### POWERFUL YET ENERGY-SAVING



Equipped with Dachai Tier 3 engine with low speed, high torque, strong power, high reliability and low fuel consumption

### EASY TO MAINTAIN



Large engine hood openings, centralised filters and electrics with ground-level access reduce maintenance efforts. With computer interface is available for quick diagnostics and review of fault history

### SAFE AND COMFORTABLE



Front cab guarding can be mounted. Engine, cab and luxurious seats used level 3 vibration absorption, which is using silicone oil shock absorber, more comfortable. Cab equipping handle, more comfortable and convenient operation

### SMOOTH OPERATIONS



Pilot operating and positive flow control, the system is sensitive, reliable and highly efficient. With regeneration and priority functions

### MULTI-PURPOSE



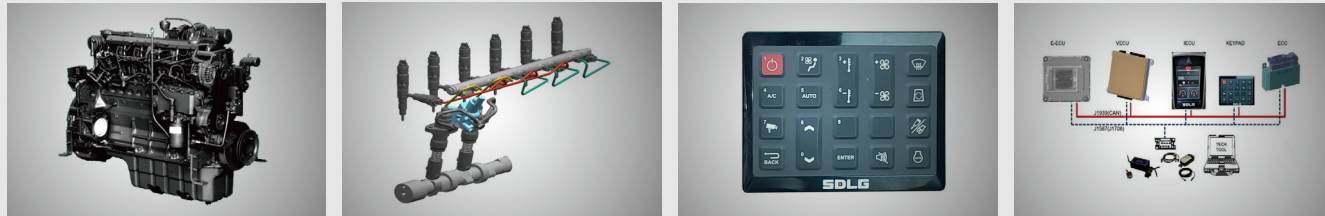
Access more applications with breaker piping and various bucket and track shoe as options, which features high digging force and high bucket capacity and is widely used in large infrastructural projects, etc





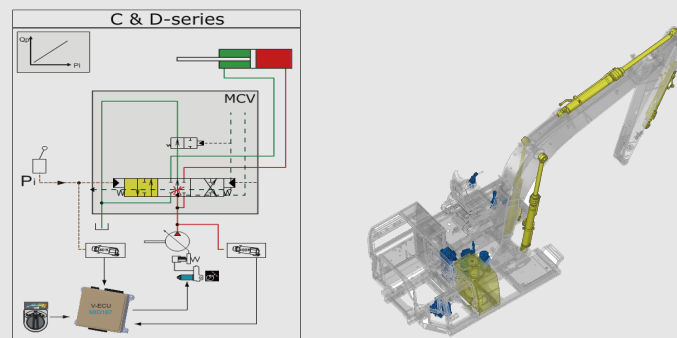
### ENGINE

- Electronic unit pump system
- The EECU controlled
- system—three stage oil filter, High filtration precision, the engine operation more safe and reliable.
- Two-stage automatic return idle speed function so as to thoroughly reduce the waste of fuel.
- New-generation SDLG electronics system fits well with the engine



### HYDRAULIC SYSTEM

- The double pump constant power positive flow hydraulic system, high flow distribution efficiency, short response time, fast action speed and good micro motion
- Regeneration and priority function provide sensitive response, accurate control, higher productivity and lower fuel consumption



### ENHANCEMENT TYPE BOOM/ARM/ROD/BUCKET

- Region of high stress :Use a high tensile strength steel
- Bearing seat: Use the forging parts
- Central part: Add large welding cross-section clashboard
- Thickening rod, made by casting
- Bucket's easy to wear and tear parts (front, the two sides and bottom) are using super wear resistant materials



### CAB

- The cab of new structure is equipped with silicone shock absorber, high-grade suspension seats and large-capacity air conditioner. The cab is bright and spacious with wide field of vision, low noise and low vibration



### STRUCTURE RELIABLE

- Strength design the stress centralized part of beam, its strength 35% higher than traditional model of cross section, more adapt to heavy duty condition. the X-Frame there is protection plate at the bottom of X-frame, provide extra protection, avoid rock and fragment damaged



### MAINTENANCE

- Large engine hood openings, centralised filters and electrics with ground-level access reduce maintenance efforts. A computer interface is available for quick diagnostics and review of fault history



### MULTI-PURPOSE

- Access more applications with breaker piping and various bucket and track shoe options



# E6255F/E6275F/E6300F

## Hydraulic Excavator

### ENGINE

	Unit	E6255F	E6275F	E6300F
Model	-	BF6M1013-21T3R/4	BF6M1013-22T3R/3	BFM8-25T2
Type	-	Four-stroke, supercharged, inter-cooled	Four-stroke, supercharged, inter-cooled	Four-stroke, supercharged, inter-cooled
Rated power	kW@rpm	153@1800	159@2000	186@1800
Max. torque	Nm@rpm	965@1350	900@1600	1050@1350
Displacement	ml	7146	7146	7751
No. of cyliners	-	6	6	6
Cylinder bore x stroke	Φ×mm	108×130	108×130	110×136
Emission	-	Tier III (GB 20891-2014)	Tier III (GB 20891-2014)	Tier III (GB 20891-2014)

### HYDRAULIC SYSTEM

	Unit	E6255F	E6275F	E6300F
Hydraulic system type	-	Double pump constant power positive flow control	Double pump constant power positive flow control	Double pump constant power positive flow control
Main pump	-	2 axial piston pump	2 axial piston pump	2 axial piston pump
Max flow rate	L/min	2×240+18	2×240+18	2×324+27
Relief valve setting				
Implement circuit	bar	330/350	330/350	330/350
Travel circuit	bar	350	350	343
Swing circuit	bar	270	270	265
Pilot circuit	bar	40	40	39

### ELECTRICAL SYSTEM

	Unit	E6255F	E6275F	E6300F
System voltage	V	24	24	24
Battery voltage	V	24	24	24
Battery capacity	Ah	140	140	140
Alternator voltage	V	28	28	28
Starter voltage	V	24	24	24

### SERVICE REFILL CAPACITY

	Unit	E6255F	E6275F	E6300F
Fuel tank	L	470	470	470
Engine coolant	L	41	41	36
Engine oil	L	39	39	32
Swing drive	L	5.9	5.9	6.1
Travel drive	L	2×5	2×5	2×6.8
Hydraulic tank	L	180	180	185
Hydraulic system	L	330	330	370

### DRIVE AND BRAKES

	Unit	E6255F	E6275F	E6300F
Drive motor	-	1 axial piston motors	1 axial piston motors	2 axial piston motors
Max drawbar pull	kN	209	208.9	230.5
Max travel speed (low/high)	km/h	3.3/5.5	3.3/5.5	3.4/5.4
Service/parking brakes	-	Wet and disc type	Wet and disc type	Wet and disc type
Gradeability	°	35	35	35

### SWING SYSTEM

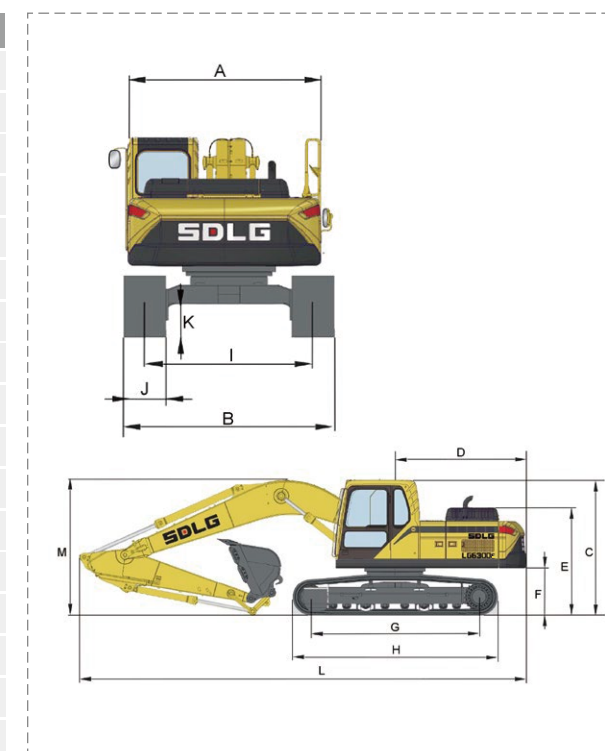
	Unit	E6255F	E6275F	E6300F
Swing motor	-	1 axial piston motors	1 axial piston motor	1 axial piston motor
Swing brake	-	Wet and disc type	Wet and disc type	Wet and disc type
Swing speed	r/min	11.3	11.3	10.7

### UNDER CARRIAGE

	Unit	E6255F	E6275F	E6300F
No. of track shoes	-	51	51	50
No. of top rollers	-	2×2	2×2	2×2
No. of bottom rollers	-	2×9	2×9	2×9
No. of track guards	-	2×4	2×4	2×4

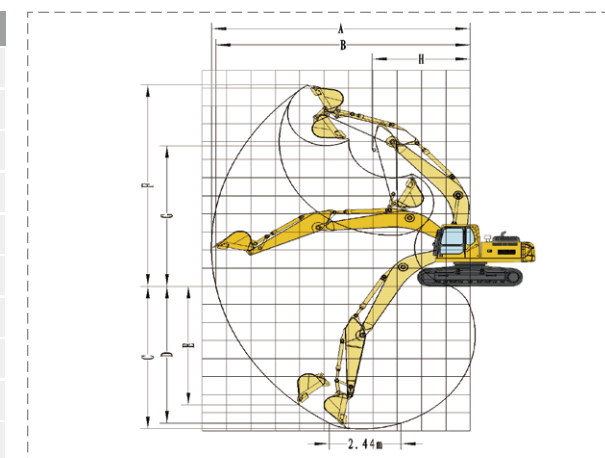
### DIMENSIONS

	Unit	E6255F	E6275F	E6300F
Boom length	mm	6000	6000	6200
Arm length	mm	2970	2970	3050
A Overall width of upper assembly	mm	2840	2840	2890
B Overall width	mm	3190	3190	3190
C Overall height	mm	3040	3040	3030
D Tail swing radius	mm	3000	3000	3110
E Overall height of engine hood	mm	2410	2410	2400
F Counterweight clearance	mm	1080	1080	1145
G Wheel base	mm	3850	3850	4015
H Track length	mm	4650	4650	4870
I Track gauge	mm	2590	2590	2590
J Track shoe width	mm	600	600	600
K Min. ground clearance	mm	470	470	480
L Overall length	mm	10190	10190	10560
M Overall height of boom	mm	3040	3040	3290
Bucket capacity	m³	1.5	1.6	1.5
Operating weight	kg	25500	26500	30100



### EXCAVATING RANGE

	Unit	E6255F	E6275F	E6300F
A Max. digging reach	mm	10260	10260	10690
B Max. digging reach on ground	mm	10090	10080	10490
C Max. digging depth	mm	6980	6980	7320
D Max. digging depth (horizontal 2.44m)	mm	6750	6750	7140
E Max. vertical wall digging depth	mm	5130	5970	6200
F Max. digging height	mm	9690	9690	10040
G Max. dumping height	mm	6800	6800	7050
H Min. front swing radius	mm	3890	3890	4180
Max. digging force--bucket (ISO)	kN	156.5	176	193.5
Max. digging force--arm (ISO)	kN	118.3	122	139.5



### ATTACHMENTS

Bucket	Model	Capacity/m³	Width/mm	Weight/kg	Number of teeth/side cutters
	E6255F/E6275F	1	1270	1025	5/4
		1.6	1560	1095	5/0
	E6300F	1.1	1265	1284	5/4
		1.5	1535	1345	5/4
Breaker	Model	Diameter/mm	Weight/kg	Pressure/bar	Frequency/bpm
	E6300F	155	2577	157-177	300-450

\* 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.