

DEVELON

Excavator

DX140LC



A NEW MODEL WITH NOVEL FEATURES

The DX140LC hydraulic excavator has all the advantages of the previous model, the key phrase used during the development of the DX140LC was “giving optimum value to the end user.”

INCREASED PRODUCTION

and improved fuel economy is attributed to the electronic optimization of the hydraulic system and the new generation DEVELON engine.

IMPROVED ERGONOMICS

increases comfort and excellent all round visibility ensuring a safe and pleasant working environment.

IMPROVED RELIABILITY

is achieved through the use of high performance materials combined with new methods of structural stress analysis, and leads to increased component life expectancy, thus reducing running costs.

REDUCED MAINTENANCE

increases the availability and reduces operating costs of the excavator.



* The above image may differ from the actual product.

NEW FEATURES



ADVANCED FRONT BUSHING

- EM bushing (Enhanced macro-surface)
- Pocket & Dimple surface pattern : Optimized greasing & Trap foreign object
- Wear resistant solid lubricant coating : Noise free & enhanced anti-seizure property



ADVANCED H-CLASS BUCKET

- DEVELON H-class bucket has the best strength of steel & the optimized design
- Add side cutter / add chamfer and inner plate at member part
- Increase bucket solidity and change casting type



TROPICAL HYDRAULIC OIL (ISO VG 68)

- Maintain best performance of your machine by keeping optimum viscosity in tropical area.



ADVANCED HD CABIN (OPTIONAL)

- ROPS, FOPS
- The latest interior (MP3, Joystick, Air suspension seat, etc.)



8 INCH MONITOR

- New, user-friendly LCD color monitor with full access to machine settings and maintenance data.



ADVANCED UNDERCARRIAGE

- Strengthen Sprocket structure and tooth
- Structure to prevent debris



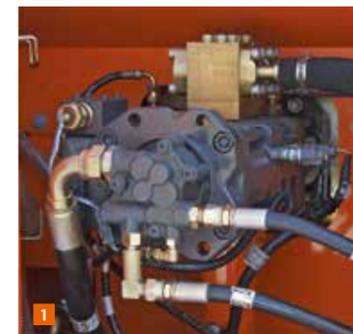
PERFORMANCE & PRODUCTIVITY

The performance of the DX140LC has a direct effect on its productivity. Its new "Common Rail" engine and new EPOS™ controlled hydraulic system have combined to create an unbeatable hydraulic excavator, with a cost/performance ratio that makes the DX140LC even more appealing.

DEVELON ENGINE(DL06)

The engine produces 95 hp (71 kW / 96 PS) at only 1,850 rpm, and more torque, due to its careful design combined with the use of common rail injection and 4 valves per cylinder. These features help optimize combustion and minimize pollution through reduced Nox & particulate emissions. Increased torque allows efficient use of the power of the hydraulic system.

- Faster working cycles increase productivity.
- Increased torque means the excavator is able to move more easily.
- Energy efficiency reduces fuel consumption.



1 HYDRAULIC PUMP

The main pump has a capacity of 2 x 114 l/min reducing cycle time while a high capacity gear pump improves pilot line efficiency.

2 TRAVEL DEVICE

In house travel device provides simple internal structure and increases efficiency of the performance. Thicker sprocket minimizes incoming debris and provides higher durability.

3 DOZER BLADE (OPTIONAL)

The pin type design allows the dozer blade to be mounted on the front and/or rear and is used for leveling, clean-up work and for stabilizing the machine during digging applications. The large dozer bottom and parallel design provide minimized ground pressure.

EXCAVATOR CONTROL

Improved Excavator control by new EPOS™ system The brains of the hydraulic excavator, the EPOS™, have been improved, through a CAN (Controller Area Network) communication link, these units are now perfectly synchronised.

DURABILITY & RELIABILITY



The reliability of a product contributes to its overall lifetime operating costs. DEVELON uses computer-assisted design techniques, highly durable materials and structures then test these under extreme conditions.

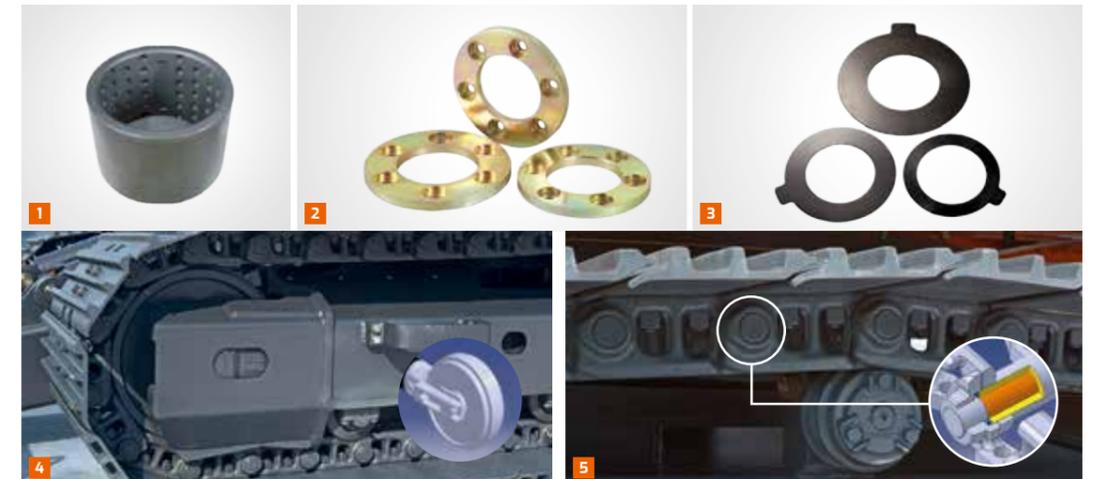
D-TYPE FRAME

The D-type frame and chassis frame add strength and minimize distortion due to shocks.



X-CHASSIS

The X-chassis frame section has been designed using finite element and 3-dimensional computer simulation, to ensure greater durability and optimum structural integrity. The swing gear is solid and stable.



1 ADVANCED BUSHING

A highly metal sintered bushing and EM bushing are used for all front pivot points in order to increase the lifetime and durability. Extend the greasing intervals to 250 hours. (except bucket parts)

2 ULTRA-HARD WEAR-RESISTANT DISC

New materials have been used in order to increase the wear resistance and to increase the service intervals. The longevity is greatly increased by the addition of wear plates on the inside and outside of the bucket lugs.

3 POLYMER SHIM

A polymer shim is added to the bucket pivot to promote extended pin and bushing life.

4 INTEGRATED TRACK SPRING AND IDLER

The track spring and the idler have been joined directly to achieve high durability and improved maintenance convenience.

5 TRACKS

The chain is composed of self-lubricating sealed links isolated from all external contamination. The tracks are locked by mechanically bolted pins.

FUEL EFFICIENCY

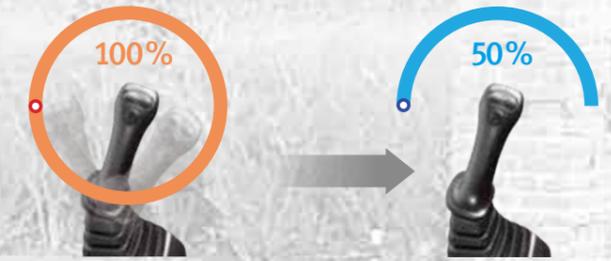
RELIEF CUTOFF



The pump continues to supply flow even when the maximum pressure on the system is reached due to severe working environments and large workloads. Relief cutoff technology of DX140LC prevents transfer of unnecessary flow to maintain powerful working level at the maximum value while reducing consumption of fuel.

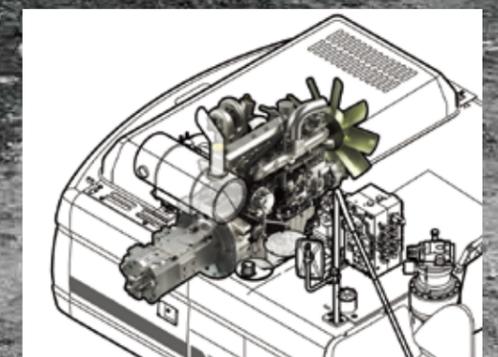
OPTIMIZED LEVER CONTROL & AUTO IDLE

When operator takes a break and leaves the control joystick fixed, both of the engine and the pump are kept in standby mode and prevents unnecessary fuel consumption.



PUMP MATCHING TECHNOLOGY

Engine & pump matching, the new technology of DEVELON, fully resolves problems; low response time of the system, unnecessary fuel consumption. Matching response time between pump and engine efficiently reduces unnecessary fuel consumption as well as exhaust fumes.

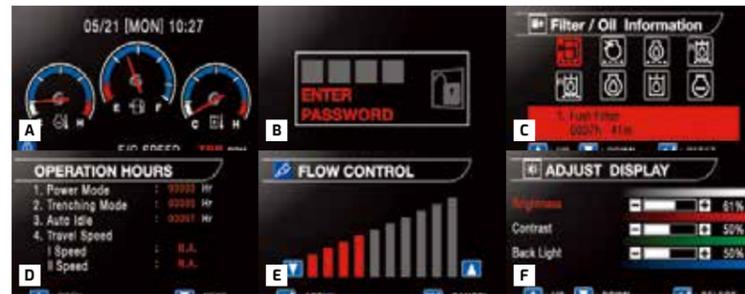
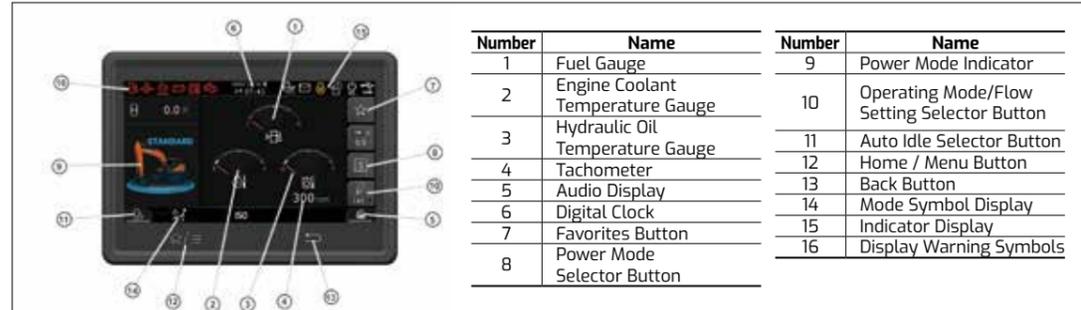


* The above image may differ from the actual product.

OPERATOR COMFORT

The work rate of the hydraulic excavator is directly linked to the performance of its operator. DEVELON designed the DX140LC by putting the operator at the centre of the development goals. The result is significant ergonomic value that improves the efficiency and safety of the operator.

NEW 8 INCH MONITOR



CONTROL PANEL

- A** Standard screen
- B** Anti-theft protection
- C** Filter/oil information
- D** Operation history
- E** Flow rate control
- F** Contrast control



CONTROL LEVER

Very precise control of the equipment increases versatility, safety and facilitates tricky operations requiring great precision. Leveling operations and particularly the movement of suspended loads are made easier and safer. The control levers have additional electrical buttons for controlling other additional equipment (for example, grabs, crushers, grippers, etc.)

AIR SUSPENSION SEAT WITH HEAT (OPTION)

Equipped with various functions of adjustment forth and back and, and lumbar support, it reduces the vibration of equipment transmitted during work in an effective way. Also for considering winter working environment, seat warmer functions equipped.

REAR VIEW CAMERA (OPTION)

* The above image may differ from the actual product.

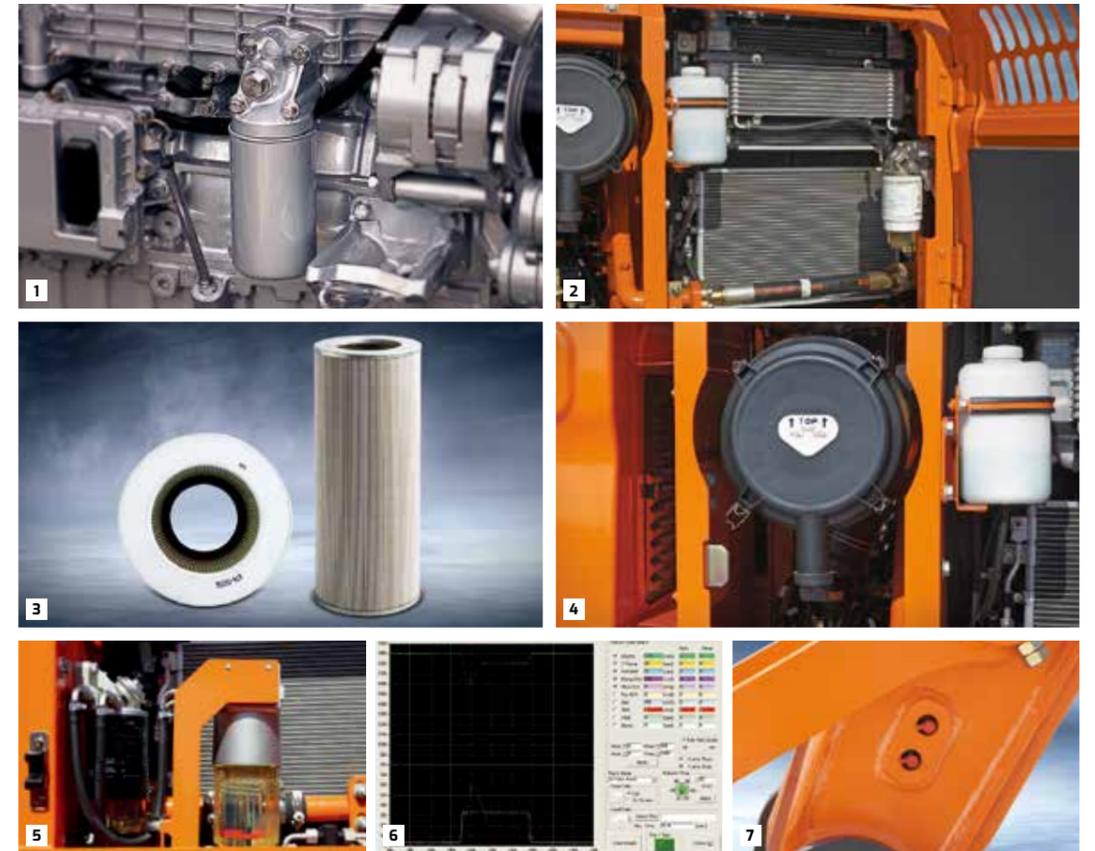


EASY MAINTENANCE



*The above image may differ from the actual product.

Short maintenance operations at long intervals increase the availability of the equipment on site. DEVELON has developed the DX140LC with a view to high profitability for the user.



1 ENGINE OIL FILTER

The engine oil filter offers a high level of filtration allowing the oil change interval to be increased to 500 hours. It is easy to access and is positioned to avoid contaminating the surrounding environment.

2 EASY MAINTENANCE

Access to the various radiators is very easy, making cleaning easier. Access to the various parts of the engine is from the top and via side panels.

3 HYDRAULIC OIL RETURN FILTER

The protection of the hydraulic system is made more effective by the use of glass fiber filter technology in the main oil return filter. This means that with more than 99.5% of foreign particles filtered out, the oil change interval is increased.

4 AIR CLEANER

The large capacity forced air cleaner removes over 99% of airborne particles, reducing the risk of engine contamination and making the cleaning and cartridge change intervals greater.

5 WATER SEPARATOR

High efficiency and large capacity water separator protect the engine by removing most moisture from the fuel.

6 PC MONITORING (DMS)

A PC monitoring function enables connection to the EPOS™ system, allowing various parameters to be checked during maintenance, such as pump pressures, engine rotation speed, etc. and these can be stored and printed for subsequent analysis.

DEVELON FLEET MANAGEMENT Telematics Service (OPTIONAL)

TELECOMMUNICATIONS Data flow from machine to web



TELEMATICS TERMINAL

Terminal device is installed and connected to a machine to get machine data.

TELECOMMUNICATION

DEVELON provides Dual mode (Cellular, Satellite) communication to maximize communication coverage

Develon FM WEB

User can monitor machine status from DEVELON FM Web

TELEMATICS SERVICE BENEFITS Develon and dealer support customers to improve work efficiency with timely and responsive services

CUSTOMER

- Improve work efficiency
- Timely and preventive service
- Improve operator's skills by comparing work pattern
- Manage fleet more effectively

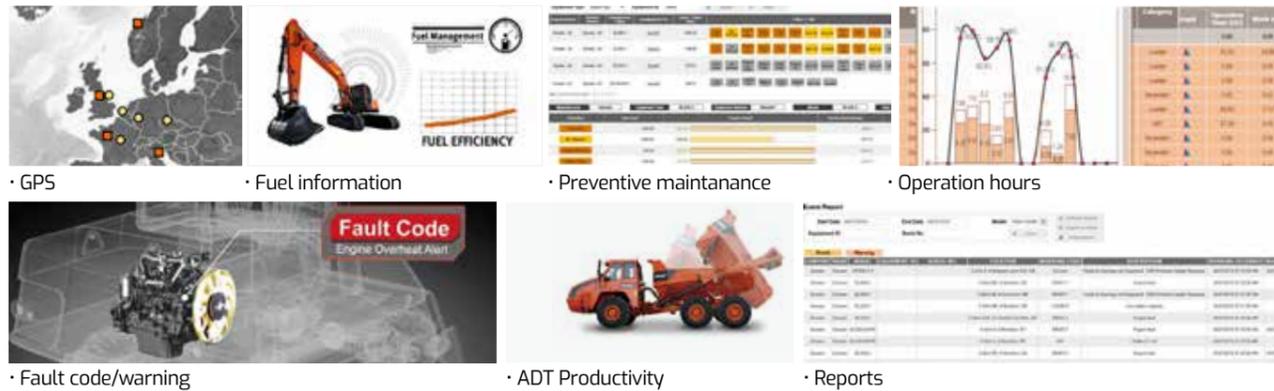
DEALER

- Better service for customers
- Provide better quality of service
- Maintain machine value
- Better understanding of market needs

DEVELON

- Responsive to customer's voice
- Utilize quality-related field data
- Apply customer's usage profile to developing new machine

FUNCTIONS(WEB/APP) Develon Telematics Service provides various functions to support your great performance



FUNCTION	EXCAVATOR	WHEEL LOADER	ADT
GPS	Location Geo-fence	All models	All models
Operation hours	Daily, Weekly, Monthly report	All models	All models
Operation hours	Total operation hours Operation hours by mode	All models	All models
Maintenance parts	Preventive maintenance by item replacement cycle	All models	All models
Fault code/ Warning	Fault code Machine Warnings on Gauge Panel	All models	All models
Fuel information	Fuel level Fuel consumption	All models	All models
Dump capacity	Dump tonnage Count of Work Cycle	N/A	All models

GLOBAL PARTS NETWORK

QUALITY-PROVEN MAIN COMPONENTS

DEVELON provides fast and precise worldwide delivery of genuine DEVELON parts through its global PDC (parts distribution center) network.

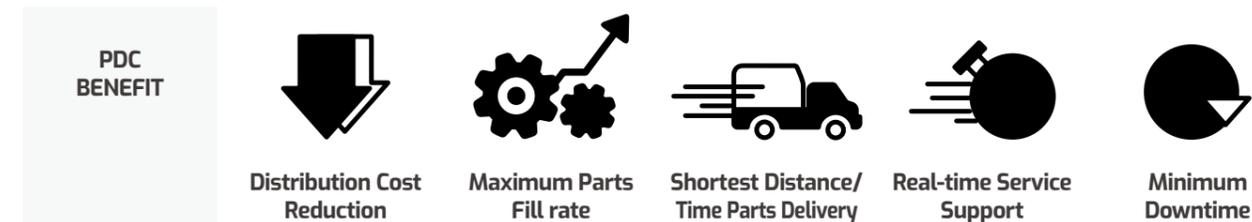


GLOBAL NETWORK

The global network of the GPDC (Global Parts Distribution Center) maximizes its fill rate by making sure that each center is stockpiled with all the critical parts required for businesses in its area. The network also minimizes the time and costs required for parts delivery by positioning PDCs close to major markets around the world. DEVELON PDCs communicate with customers in their time zone, informing them that they are open for operation, and deliver parts to them as early as possible.

THE GLOBAL PARTS DISTRIBUTION CENTER NETWORK

PDCs had been set up as shown below, including Mother PDC in Ansan, Korea. The nine other PDCs include one in China (Yantai), three in USA (Atlanta, Seattle and Miami), two in Europe (Germany and the UK), one in the Middle East (Dubai) and two in Asia (Singapore and Indonesia).



TECHNICAL SPECIFICATIONS

ENGINE

Model

DEVELON DL06*
"Common Rail" engine with direct fuel injection and electronic control, 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for Tier III.

Number of cylinders

6

Nominal flywheel power

71 kW(95HP) @ 1,850 rpm (SAE J1349, net)

Max torque

44.5 kgf.m at 1,400 rpm

Piston displacement

5,890 cc

Bore & stroke

Ø100 mm x 125 mm (3.9" X 4.9")

Starter

24 V / 4.5kW

Batteries

2 x 12 V/ 100 Ah

Air cleaner

Double element with auto dust evacuation.

*According to engine regulation, DEVELON provides two kinds of engine. (Tier-3 engine : DL06 / Tier II engine : DL06C)

ENVIRONMENT

Noise levels comply with environmental regulations (dynamic values).

Sound level guarantee

101 dB(A) (2000/14/EC)

Cab sound level

71 dB(A) (ISO 6396)

WEIGHT

Boom 4,600 mm Arm 2,500 mm Bucket SAE 0.51 m³

Shoe width	Operating weight	Ground pressure (kgf/cm ²)
500 mm	13,800 kg	0.43
600 mm	14,000 kg	0.36
700 mm	14,200 kg	0.30

Weight with Dozer Blade

STD.- Boom 4,600 mm Arm 2,500 mm Bucket SAE 0.51 m³

Shoe width	Dozer Blade weight	Operating weight
STD. + 500 mm	2,500 mm : 590 kg	14,770 kg
STD. + 600 mm	2,600 mm : 602 kg	15,007 kg
STD. + 700 mm	2,700 mm : 615 kg	15,245 kg

*When the dozer blade is installed, additional weight may be occurred by track frame, dozer cylinder, dozer unit, pin assembly, track shoe.

HYDRAULIC SYSTEM

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption. The new e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- Cross-sensing pump system for fuel savings.
- Auto deceleration system.
- Two operating modes, two power modes.
- Button control of flow in auxiliary equipment circuits.
- Computer-aided pump power control.

Main pumps

2 variable displacement axial piston pumps
maxflow :2 x 114 l /min (2 X 30.1 US gpm , 2 X 25.1 Imp gpm)

Pilot pump

Gear pump - max flow: 27.75 l /min (7.33 US gpm, 6.1 Imp gpm)

Maximum system pressure

Boom/arm/Bucket :

Normal mode: 330 kgf/cm² (324 bar)

Power mode: 350 kgf/cm² (343 bar)

Travel: 330 kgf/cm² (324 bar)

Swing: 245 kgf/cm² (240 bar)

HYDRAULIC CYLINDERS

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock- free operation and extend piston life.

Cylinders Quantity Bore x Rod diameter x stroke

Boom 2 110 X 75 X 1,085mm

Arm 1 115 X 80 X 1,108mm

Bucket 1 100 X 70 X 900mm

UNDERCARRIAGE

Chassis are of very robust construction, all welded structures are designed to limit stresses. High-quality material used for durability. Lateral chassis welded and rigidly attached to the undercarriage. Track rollers lubricated for life, idlers and sprockets fitted with floating seals. Tracks shoes made of induction-hardened alloy with triple grouser. Heat-treated connecting pins. Hydraulic track adjuster with shock-absorbing tension mechanism.

Number of rollers and track shoes per side

Upper rollers : 2

Lower rollers : 7

Shoes : 44

Total length of track : 3,755mm

SWING MECHANISM

- An axial piston motor with two-stage planetary reduction gear is used for the swing.
- Increased swing torque reduces swing time.
- Internal induction-hardened gear.
- Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and release hydraulically.

Swing speed: 0 to 10.7 rpm

DRIVE

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counter- rotation on demand..

Travel speed (fast/slow)

4.7/3.0km/h

Maximum traction force

7,300 / 11,800 kgf

Maximum grade

35° / 70%

REFILL CAPACITIES

Fuel tank

280 l

Cooling system (Radiator capacity)

20 l

Engine oil

25 l

Swing drive

3.8 l

Travel drive (each)

3 l

Oil tank

150 l

BUCKET

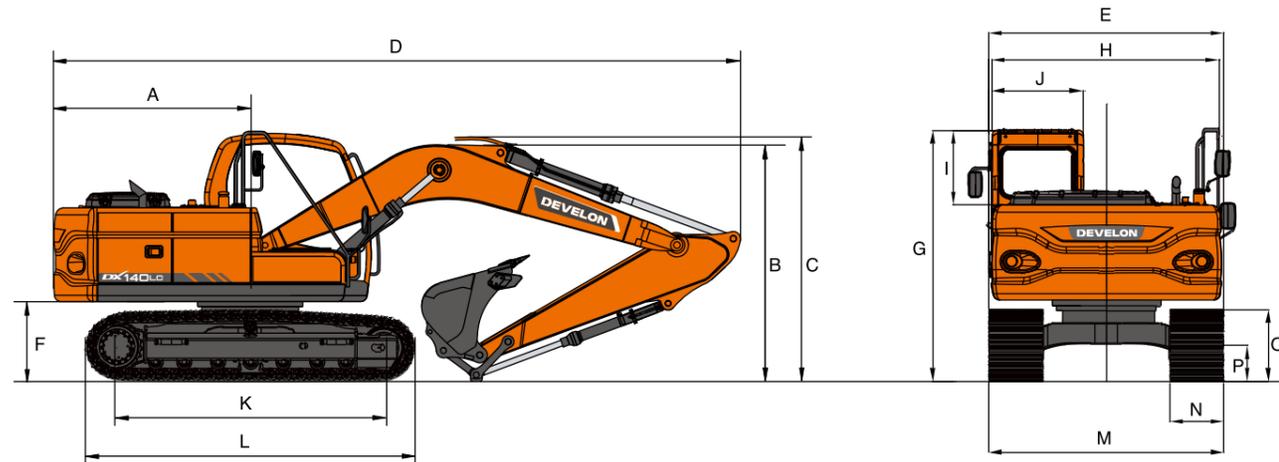
Bucket Type	Capacity (m ³)		Width (mm)		TRACK		STD Track					
					C/W (ton)	SHOE (mm)	2.2					
					Weight (kg)	600						
						4.3m Boom		4.6m Boom			Arti Boom(4.988m)	
SAE/PCSA	CECE	W/O Cutter	With Cutter	1.9m Arm	2.1m Arm	2.1m Arm	2.5m Arm	3.0m Arm	2.1m Arm	2.5m Arm		
General Purpose	0.24	0.22	458	534	292	A	A	A	A	A	A	A
	0.39	0.35	736	820	350	A	A	A	A	A	A	A
	0.45	0.40	821	911	389	A	A	A	A	A	A	A
	0.51	0.45	907	991	398	A	A	A	A	B	A	B
	0.59	0.51	997	1,081	420	A	B	A	B	C	B	C
	0.64	0.55	1,083	1,167	443	B	C	B	C	C	C	D
Ditch Clean	0.76	0.65	1,255	1,339	437	C	C	C	D	D	D	X
	0.45	0.38	1,500	1,500	357	A	A	A	A	A	A	A
Heavy Duty	0.54	0.46	1,800	1,800	405	A	A	A	A	B	B	C
	0.21	0.20	450	N/A	313	A	A	A	A	A	A	A
	0.31	0.29	600	N/A	372	A	A	A	A	A	A	A
	0.42	0.38	750	N/A	420	A	A	A	A	A	A	A
	0.52	0.47	900	N/A	478	A	A	A	B	B	B	C
	0.60	0.53	1,000	N/A	510	B	C	B	C	C	C	D
	0.67	0.60	1,100	N/A	542	C	C	C	C	D	D	X
0.74	0.66	1,200	N/A	585	D	D	C	D	X	D	X	
Maximum load pin-on(payload+bucket)						1,683	1,587	1,739	1,549	1,415	1,503	1,343

Based on ISO 10567 and SAE J296, arm length without quick change clamp

A : Suitable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less B : Suitable for materials with density of 1800 kg/m³ (3000 lb/yd³) or less
C : Suitable for materials with density of 1500 kg/m³ (2500 lb/yd³) or less D : Suitable for materials with density of 1200 kg/m³ (2000 lb/yd³) or less
X : Not recommended

DIMENSIONS

[One-piece Boom]



DIMENSIONS

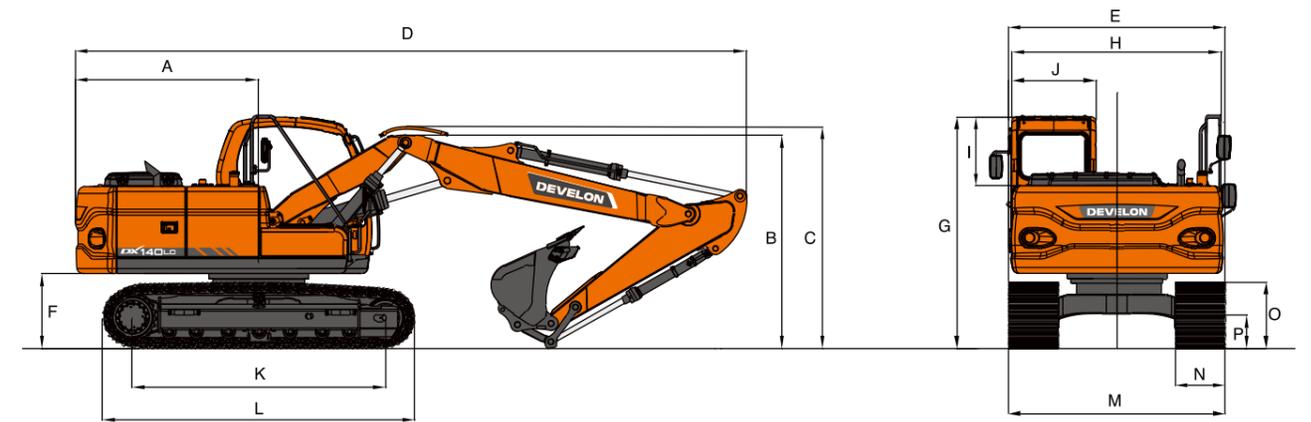
Boom type (One-piece)	4,600mm		
Arm type	2,100mm	2,500mm	3,000mm
Bucket type (PCSA)	0.51m ³	0.51m ³	0.39m ³
A Tail Swing Radius	→	2,200mm	←
B Shipping Height (Boom)	2,515mm	2,630mm	3,030mm
C Shipping Height (Hose)	2,570mm	2,710mm	3,090mm
D Shipping Length	7,690mm	7,680mm	7,640mm
E Shipping Width	→	2,590mm	←
F C/Weight Clearance	→	894mm	←
G Height Over Cab.	→	2,773mm	←
H House Width	→	2,540mm	←
I Cab. Height above House	→	835mm	←
J Cab. Width	→	960mm	←
K Tumbler Distance	→	3,034mm	←
L Track Length	→	3,755mm	←
M Undercarriage Width	→	2,590mm	←
N Shoe Width	→	600mm	←
O Track Height	→	728mm	←
P Car Body Clearance	→	410mm	←

DIGGING FORCE

Bucket (PCSA)	0.22m ³	0.35m ³	0.40m ³	0.45m ³	0.51m ³	0.55m ³	0.65m ³
Digging force (ISO)	11,100 kgf 109 kN 24,471 lbf						
Digging force (SAE)	9,600 kgf 94 kN 21,164 lbf						

At power boost (ISO)

[Two-piece Boom]



DIMENSIONS

Boom type (One-piece)	4,988 mm	
Arm type	2,100 mm	2,500 mm
Bucket type (PCSA)	0.51m ³	0.51m ³
A Tail Swing Radius	2,200mm	←
B Shipping Height (Boom)	2,555mm	2,680mm
C Shipping Height (Hose)	2,655mm	2,770mm
D Shipping Length	8,060mm	8,015mm
E Shipping Width	2,590mm	←
F C/Weight Clearance	894mm	←
G Height Over Cab.	2,773mm	←
H House Width	2,540mm	←
I Cab. Height above House	835mm	←
J Cab. Width	960mm	←
K Tumbler Distance	3,034mm	←
L Track Length	3,755mm	←
M Undercarriage Width	2,590mm	←
N Shoe Width	600mm	←
O Track Height	728mm	←
P Car Body Clearance	410mm	←

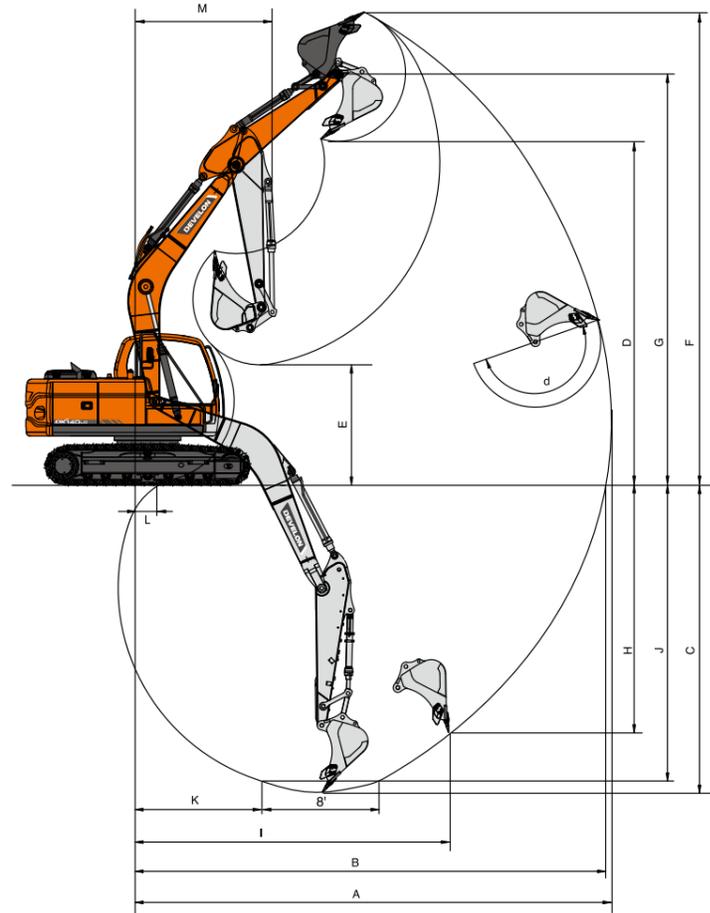
DIGGING FORCE

Bucket (PCSA)	2,100mm	2,500mm	3,000mm
Digging force (ISO)	7,700 kgf 75.6 kN 16,975 lbf	6,500 kgf 63.8 kN 14,330 lbf	6,000 kgf 58.9 kN 13,228 lbf
Digging force (SAE)	7,300 kgf 71.7 kN 16,094 lbf	6,300 kgf 61.8 kN 13,889 lbf	5,800 kgf 56.9 kN 12,787 lbf

At power boost (ISO)

WORKING RANGES

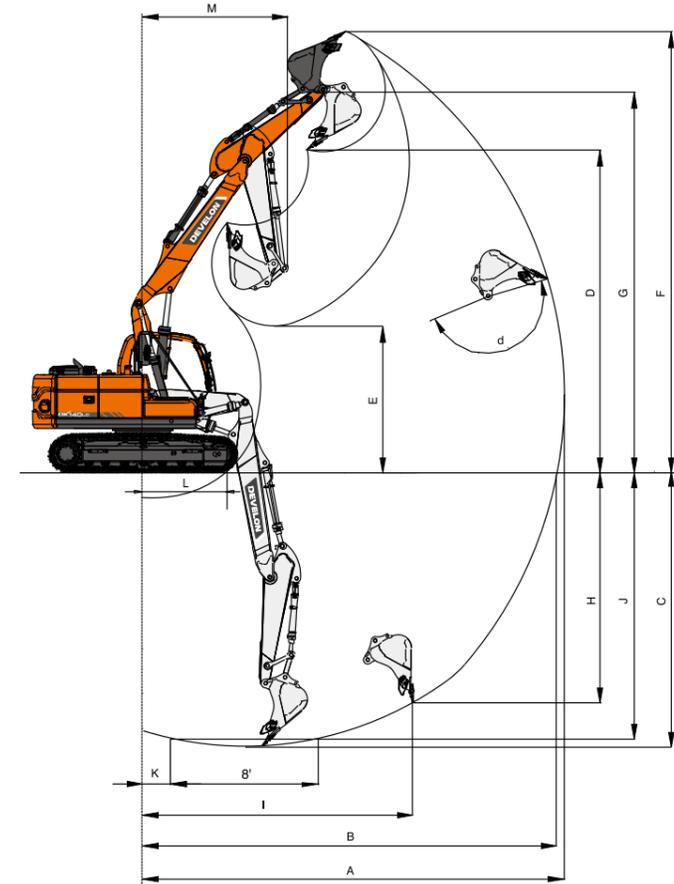
[One-piece Boom]



WORKING RANGE

Boom length	4,600mm One-piece Boom		
Arm type	2,100mm	2,500mm	3,000mm (9'10")
Bucket type (pcsa)	0.51m ³	0.51m ³	0.39m ³
A Max. digging reach	7,845	8,300	8,680
B Max. digging reach at ground level	7,690	8,156	8,540
C Max. digging depth	5,250	5,645	6,150
D Max. dumping height	5,875	6,300	6,412
E Min. dumping height	2,569	2,166	1,700
F Max. digging height	8,195	8,675	8,745
G Max. bucket pin height	7,110	7,535	7,645
H Max. vertical wall depth	3,810	4,560	4,830
I Max. radius vertical	5,690	5,555	5,860
J Max. digging depth(8'level)	4,950	5,420	5,920
K Min. radius B' line	1,850	1,960	1,855
L Min. digging reach	1,005	265	-305
M Min. swing radius	2,345	2,375	2,585
d. Bucket angle (deg)	173°	173°	173°

[Two-piece Boom]

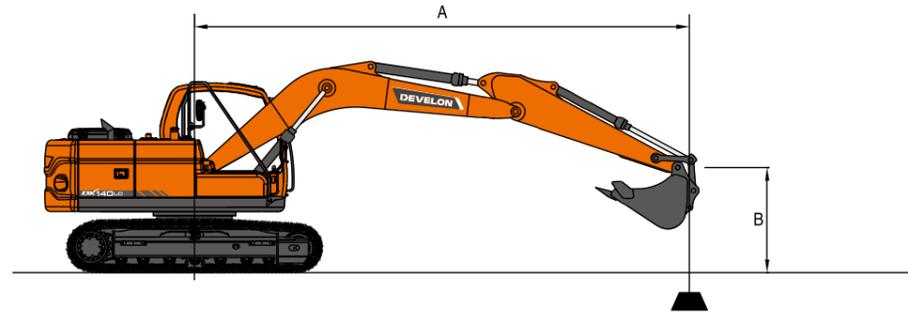


WORKING RANGE

Boom length	4,988mm Two-piece Boom	
Arm type	2,100mm	2,500mm
Bucket type (pcsa)	0.51m ³	0.51m ³
A Max. digging reach	8,380	8,805
B Max. digging reach at ground level	8,235	8,665
C Max. digging depth	5,440	5,850
D Max. dumping height	6,420	6,810
E Min. dumping height	2,925	2,935
F Max. digging height	8,820	9,235
G Max. bucket pin height	7,650	8,040
H Max. vertical wall depth	4,815	5,415
I Max. radius vertical	5,365	5,270
J Max. digging depth(8'level)	5,530	5,745
K Min. radius B' line	795	800
L Min. digging reach	2000	1,615
M Min. swing radius	2,925	2,935
d. Bucket angle (deg)	173°	173°

LIFTING CAPACITY

[One-piece Boom]



Metric

Boom : 4,600mm(15'1") Arm : 2,500mm(8'2") Bucket : SAE/PCSA 0.51m³(0.67yd³) Shoe : 600mm(2') Unit : 1,000kg

B(m)	A(m)		2		3		4		5		6		Max. Reach		A(m)
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
7							*3.73	*3.73					*2.88	*2.88	4.24
6							*3.39	*3.39	*3.59	2.92			*2.45	*2.45	5.32
5							*3.61	*3.61	*3.72	2.94	*2.57	2.11	*2.25	2.08	6.04
4					*4.25	*4.25	*4.31	4.22	*4.05	2.92	3.42	2.13	*2.17	1.81	6.53
3							*5.38	4.11	*4.61	2.87	3.40	2.11	*2.16	1.66	6.83
2							*6.57	3.99	4.55	2.80	3.37	2.08	*2.20	1.59	6.98
1							6.52	3.88	4.48	2.75	3.33	2.05	*2.29	1.58	6.97
0 (ground)							6.45	3.82	4.44	2.70	3.31	2.03	*2.45	1.64	6.82
-1					*6.07	6.04	6.42	3.79	4.41	2.68	3.30	2.02	*2.71	1.77	6.51
-2	*5.42	*5.42	*9.89	6.08	6.43	3.80	4.42	2.69	3.31	2.03			*3.13	2.03	6.01
-3	*9.35	*9.35	*9.47	6.15	6.47	3.84	4.46	2.72					4.15	2.54	5.24
-4			*7.27	6.27	*5.01	3.94							*4.55	3.74	4.14

Feet

Unit : 1,000lb

B(ft)	A(ft)		10'		15'		20'		Max. Reach		A(ft)
	1	2	1	2	1	2	1	2	1	2	
25									*7.75	*7.75	10.61
20					*8.03	7.52			*5.46	*5.46	17.17
15					*8.44	7.52	*7.07	4.55	*4.87	4.29	20.58
10					*10.67	7.32	7.30	4.53	*4.75	3.67	22.38
5					11.56	7.04	7.20	4.44	*4.92	3.48	22.94
0 (ground)					11.33	6.84	7.11	4.35	*5.41	3.61	22.38
-5	*17.99	13.00	11.27	6.79	7.09	4.34			7.01	4.29	20.14
-10	*20.42	13.19	11.37	6.88					9.23	5.66	17.10

Metric

Boom : 4,600mm(15'1") Arm : 3,000mm(9'10") Bucket : SAE/PCSA 0.51m³(0.67yd³) Shoe : 600mm(2') Unit : 1,000kg

B(m)	A(m)		2		3		4		5		6		7		Max. Reach		A(m)
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
7															*2.44	*2.44	4.39
6									*3.18	3.06					*2.20	*2.20	5.88
5									*3.24	3.06	*3.20	2.24			*2.09	1.90	6.54
4									*3.61	*3.61	*3.62	3.03	3.53	2.23	*2.06	1.69	6.99
3					*5.76	*5.76	*4.74	4.24	*4.21	2.97	3.50	2.20	2.70	1.68	*2.08	1.56	7.28
2							*5.99	4.10	4.64	2.89	3.45	2.16	2.68	1.67	*2.14	1.50	7.41
1							6.61	3.96	4.56	2.82	3.41	2.12	2.66	1.65	*2.25	1.49	7.41
0 (ground)					*5.12	5.12	6.51	3.87	4.50	2.76	3.37	2.09	2.64	1.63	*2.43	1.53	7.27
-1					*6.60	6.04	6.45	3.82	4.46	2.73	3.35	2.07			2.65	1.63	6.98
-2	*5.23	*5.23	*9.26	6.05	6.44	3.82	4.45	2.72	3.35	2.06				2.95	1.83	6.52	
-3	*8.09	*8.09	*10.28	6.11	6.47	3.84	4.47	2.74						3.51	2.18	5.85	
-4	*12.22	*12.22	*8.69	6.21	*6.48	3.91								*4.70	2.91	4.88	

Feet

Unit : 1,000lb

B(ft)	A(ft)		10'		15'		20'		Max. Reach		A(ft)
	1	2	1	2	1	2	1	2	1	2	
25									*6.04	*6.04	13.49
20					*6.63	*6.63			*4.89	*4.89	19.06
15					*7.31	*7.31	*7.39	4.80	*4.57	3.96	22.17
10					*9.61	7.56	7.51	4.73	*4.57	3.46	23.84
5					11.76	7.23	7.37	4.60	*4.82	3.29	24.38
0 (ground)					11.99	7.11	7.25	4.49	*5.35	3.38	23.85
-5	*17.92	12.97	11.34	6.86	7.19	4.44			6.14	3.79	22.18
-10	*22.20	13.12	11.39	6.91					7.86	4.87	19.01
-15	*15.54	13.52							*10.27	8.47	13.46

1. Ratings are based on SAE J1097

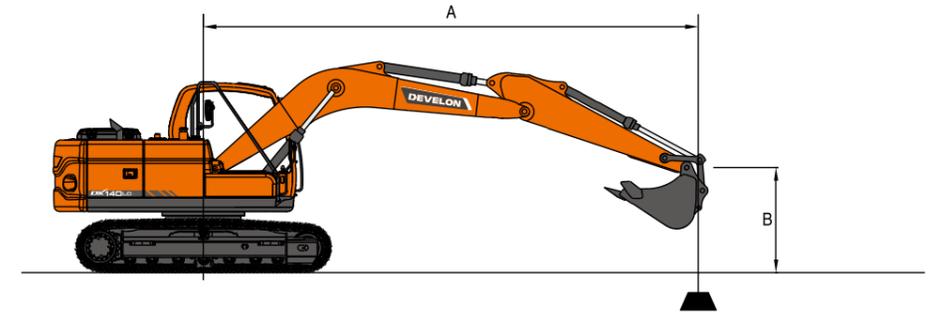
2. The load point is a hook located on the back of the bucket.

3. * Rated loads are based on hydraulic capacity.

4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

☺ : Rating Over Front

☺☺ : Rating Over Side or 360 Degree



Metric

Boom : 4,600mm(15'1") Arm : 2,500mm(8'2") Bucket : SAE 0.51m³(0.67yd³) Shoe : 600mm(2') Dozer blade : 2,590mm(8'6") Unit : 1,000kg

B(m)	A(m)		2		3		4		5		6		Max. Reach		A(m)
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
7							*3.73	*3.73					*2.88	*2.88	4.24
6							*3.39	*3.39	*3.59	3.21			*2.45	*2.45	5.32
5							*3.61	*3.61	*3.72	3.23	*2.57	2.35	*2.25	*2.25	6.04
4					*4.25	*4.25	*4.31	*4.31	*4.05	3.21	3.39	2.36	*2.17	2.02	6.53
3							*5.38	4.51	4.58	3.16	3.37	2.34	*2.16	1.86	6.83
2							*6.57	4.38	4.51	3.10	3.33	2.31	*2.20	1.79	6.98
1							6.46	4.27	4.44	3.04	3.30	2.28	*2.29	1.78	6.97
0 (ground)							6.39	4.21	4.39	3.00	3.27	2.26	*2.45	1.84	6.82
-1					*6.07	*6.07	6.36	4.18	4.37	2.98	3.26	2.25	*2.71	1.98	6.51
-2	*5.42	*5.42	*9.89	6.08	6.43	3.80	4.42	2.69	3.31	2.03			*3.13	2.26	6.01
-3	*9.35	*9.35	*9.47	6.15	6.47	3.84	4.46	2.72					4.11	2.82	5.24
-4			*7.27	6.27	*5.01	3.94							*4.55	4.11	4.14

Feet

Unit : 1,000lb

B(ft)	A(ft)		10'		15'		20'		Max. Reach		A(ft)
	1	2	1	2	1	2	1	2	1	2	
25									*7.75	*7.75	10.61
20					*8.03	7.52			*5.46	*5.46	17.17
15					*8.44	7.52	*7.07	4.55	*4.87	4.29	20.58
10					*10.67	7.32	7.30	4.53	*4.75	3.67	22.38
5					11.45	7.04	7.20	4.44	*4.92	3.48	22.94
0 (ground)					11.22	6.84	7.11	4.35	*5.41	3.61	22.38
-5	*17.99	13.00	11.27	6.79	7.09	4.34			7.01	4.29	20.14
-10	*20.42	13.19	11.37	6.88					9.23	5.66	17.10

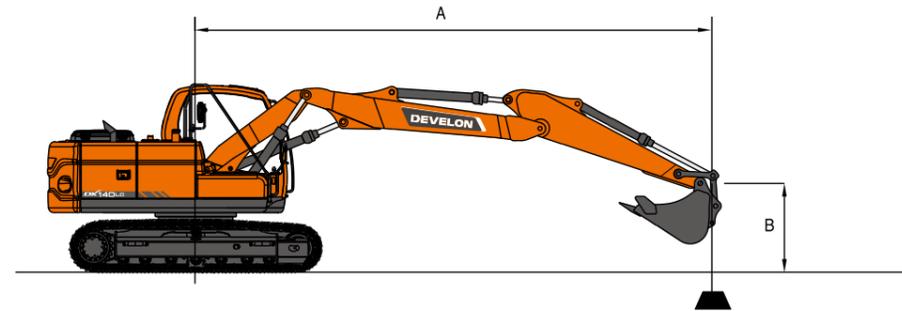
Metric

Boom : 4,600mm(15'1") Arm : 3,000mm(9'10") Bucket : SAE/PCSA 0.51m³(0.67yd³) Shoe : 600mm(2') Dozer blade : 2,590mm(8'6") Unit : 1,000kg

B(m)	A(m)		2		3		4		5		6		7		Max. Reach		A(m)
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
7															*2.39	*2.39	4.87
6															*2.14	*2.14	5.83
5									*3.15	*3.15	*3.20	*3.20	*3.11	2.40	*2.04	*2.04	6.49
4									*3.63	*3.63	*3.58	3.24	3.42	2.39	*2.00	1.83	6.95
3					*5.78	*5.78	*4.71	4.56	*4.17	3.19	3.39	2.36	2.60	1.81	*2.02	1.70	7.23
2							*5.97	4.42	4.53	3.11	3.35	2.33	2.58	1.79	*2.09	1.63	7.37
1							6.49	4.29	4.45	3.04	3.30	2.29	2.56	1.77	*2.21	1.62	7.37
0 (ground)					*5.04	*5.04	6.39	4.21	4.39	2.99	3.27	2.25	2.55	1.76	*2.39	1.67	7.22
-1					*6.59	*6.59	6.34	4.16	4.35	2.96	3.25	2.23			2.58	1.78	6.93
-2	5.25	*5.25	*9.32	6.61	6.33	4.15	4.34	2.95	3.25	2.23				2.89	1.99	6.47	
-3	*8.16	*8.16	*10.17	6.66	6.36	4.18	4.37	2.97						3.47	2.39	5.79	

LIFTING CAPACITY

[Two-piece Boom]



Metric

Boom : 4,988mm(16'4") Arm : 2,500mm(9'10") Bucket : SAE 0.51m³(0.67yd³) Shoe : 700mm(24") Unit : 1,000kg

B(m)	3		4		5		6		7		Max. Reach		A(m)	
	☺	☺☺	☺	☺☺	☺	☺☺	☺	☺☺	☺	☺☺	☺	☺☺		
7														
6					*2.79	*2.79						*3.24	3.20	4.75
5			*2.74	*2.74	*2.89	*2.89	*3.11	2.17				*3.03	2.31	5.73
4	*4.04	*4.04	*3.54	*3.54	*3.31	2.96	*3.25	2.16				2.74	1.65	6.87
3			*4.69	4.13	*3.94	2.88	3.46	2.12	2.65	1.59		2.54	1.52	7.16
2			*5.94	3.96	4.61	2.79	3.41	2.08	2.63	1.58		2.44	1.45	7.30
1			6.55	3.83	4.52	2.72	3.36	2.03	2.61	1.56		2.43	1.44	7.29
0 (ground)			6.46	3.75	4.46	2.66	3.33	2.00	2.59	1.54		2.51	1.49	7.15
-1	*3.46	*3.46	6.43	3.73	4.43	2.64	3.31	1.98				2.68	1.60	6.85
-2	*6.65	5.99	6.45	3.74	4.43	2.64	3.32	1.99				3.02	1.81	6.38
-3			6.50	3.78	4.47	2.67						4.04	2.43	5.32

Feet

Unit : 1,000lb

B(ft)	10'		15'		20'		Max. Reach		A(ft)
	☺	☺☺	☺	☺☺	☺	☺☺	☺	☺☺	
25									
20									
15			*5.77	*5.77			*7.21	*7.21	12.76
10			*6.67	*6.67	*6.95	4.64	*6.75	5.22	18.55
5			*9.15	7.36	7.43	4.55	*6.15	3.91	21.74
0 (ground)			11.65	6.98	7.28	4.41	5.35	3.18	23.99
-5	*11.46	*11.46	11.37	6.74	7.15	4.29	5.53	3.28	23.45
-10			11.41	6.77			9.28	5.57	17.04

1. Ratings are based on SAE J1097

2. The load point is a hook located on the back of the bucket.

3. * Rated loads are based on hydraulic capacity.

4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

☺ : Rating Over Front

☺☺ : Rating Over Side or 360 Degree

STANDARD AND OPTIONAL EQUIPMENT

STANDARD EQUIPMENT

Boom & Arm

- 4.6 m Boom
- 2.5 m Arm

Hydraulic system

- Boom and arm flow regeneration
- Boom and arm holding valves
- Swing anti-rebound valves
- Spare ports(Control valve)
- One-touch power boost

Cabin & Interior

- Viscous cab mounts
- All weather sound suppressed type cab
- Air conditioner & Heater
- Adjustable suspension seat with head rest and adjustable arm rest
- Room light
- Intermittent windshield wiper
- Cigarette lighter and ashtray
- Cup holder
- High seat mount
- LCD color monitor panel
- E/G RPM control dial
- AM/FM radio + MP3 (USB)
- Remote radio ON/OFF switch
- 12V spare powers socket
- Serial communication port for laptop PC interface
- Joystick lever with 3 switches
- Sun visor
- Sun roof

Safety

- Large handrails and step
- Convex metal anti-slip plates
- Seat belt
- Hydraulic safety lock lever
- Safety glass
- Hammer for emergency escape
- Right and left rearview mirrors
- Travel alarm
- Rotating beacon
- Battery protector cover

Others

- Double element air cleaner
- Fuel filter
- Dust screen for radiator/oil cooler
- Engine overheat prevention system
- Engine restart prevention system
- Self-diagnostic system
- Alternator(24V, 60 amps)
- Fuel filler pump
- Electric horn
- Halogen working lights(frame mounted 1, boom mounted 2)
- Hydraulic oil tank air breather filter
- Long & Fixed track

OPTIONAL EQUIPMENT

Some of optional equipments may be standard in some markets. Some of this optional equipment is not available in some markets. You must check with the local DEVELON dealer to know about the availability or to release the adaptation following the needs of the applications.

Boom & Arm

- 4.0 m Boom
- 4.988 m Arti Boom
- 1.9 m Arm
- 2.1 m Arm
- 3.0 m Arm

Safety

- Cabin Top/Front guard(ISO 10262, FOGS standard)
- Travel & swing alarm
- Telescopic beacon
- Lock valve
- Rear view camera
- Rear lamp for number plate

Cabin & Interior

- Air suspension seat
- Rain Shield
- Low seat mount
- Breaker pedal
- ROPS/FOGS Cabin
- Cabin front guard (Upper and lower guard)
- Steel roof cover
- Side mirror

Others

- Piping for crusher
- Piping for quick clamp
- Piping option
 - Breaker with flow control valve - Crusher
 - Crusher with tilting - Rotating
 - Clamshell - Quick Clamp
- 500mm / 700mm shoe
- Lower wiper
- 80A alternator
- Working Lights
 - 4-front/2-rear on cabin
- Noise Kit
- Hydraulic Oil
 - Cold weather (VG32)
 - Normal (VG46)
 - Tropical weather (VG68)
- Breaker filter
- Additional Water separator
- Water separator with heater
- Heavy duty under cover
- Dozer blade
 - 2500 mm dozer
 - 2600 mm dozer
 - 2700 mm dozer
- Short & Fixed / High Car Body Clearance track

We are **DEVELON**

We trace our roots to 1937 as one of Korea's first large scale machine plant. Throughout time we have consistently delivered exceptional products and solutions.

DEVELON is a bold name that reflects our core ambition to continue developing onwards and leaving behind a positive footprint in our world. Moving forward, we seek to be part of our customers and partners' endeavor to build a better world.

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