DOOSAN

Construction Equipment

DX480/520LCA-K

Engine Power	(SAE J1349, net) 223 kW (299 HP) @ 2,000 rpm
Operational Weight	49,400 kg ~ 52,200 kg
Bucket Capacity (SAE/PCSA)	1.8 - 3.28 m^3

NEW ENGINE DELIVERS EVEN GREATER DURABILITY AND RELIABILITY

DX480LCA-K
DX520LCA-K

The new DX480/520LCA-K is designed to deliver Doosan's industry-leading productivity and stability.
The new machine's remarkably high lifting capacity, made possible by the heaviest counterweight in its class and the exceptionally long and wide undercarriage, allow the operator to perform tough and heavy workloads in the most stable manner.
Doosan's newly developed DX12 engine, now more durable than ever before, will help you operate your machine with consummate stability even with the heaviest workloads.
The machine's high swing speed will further boost your productivity.

* The above image may differ from the actual product.

NEWER AND BETTER

DX480LCA-K
DX520LCA-K

1 ADVANCED HD CABIN (OPTIONAL)

ROPS, FOPS cabins are available as optional features. The DX480/520LCA-K's high-class interior is fitted with a range of innovative new features including MP3, joystick, air suspension seat, etc.

2 7-INCH MONITOR

The new, user-friendly LCD color monitor provides a clearer rear view and allows full access to machine settings and maintenance data.
(Rear view camera is optional.)

3 ADVANCED H-CLASS BUCKET

The H-class bucket, optimally designed and made of high-strength steel, is offered as a standard feature. A side cutter & chamfer have been added, and an inner plate has been attached.

* The above image may differ from the actual product.

4 PRE-CLEANER

The adoption of a rotor type pre-cleaner has increased filtering efficiency.

5 ADVANCED UNDERCARRIAGE

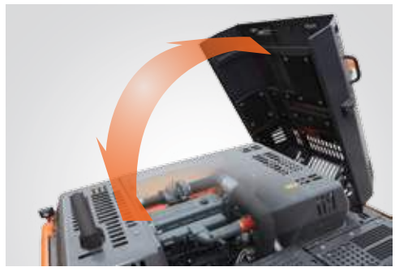
The sprocket structure and tooth have been strengthened to prevent debris and increase durability.

6 ENGINE

Equipped with an all-new engine with greater durability, the DX480/520LCA-K enables the operator to operate the machine with heavy workloads with optimal stability.

11 Various Options: A variety of optional specs are offered to ensure that the DX480/520LCA-K delivers outstanding performance in any environment.

- Cold-Weather Option
- High Altitude Option

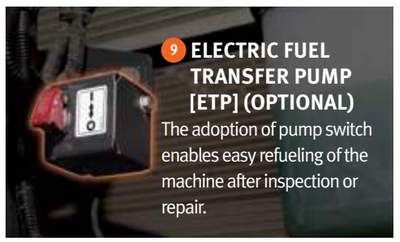


7 EASY-OPENING ENGINE HOOD

The new engine hood can be opened easily with one hand and less effort, thereby lowering the risk of injury when opening and closing the hood.

8 CENTRALIZED FUEL FILTRATIONS

The water separator, pre-fuel filter and main filter are located in one place to provide greater convenience and ease of maintenance, guaranteeing a longer engine life as well.



9 ELECTRIC FUEL TRANSFER PUMP [ETP] (OPTIONAL)

The adoption of pump switch enables easy refueling of the machine after inspection or repair.

10 WATER SEPARATOR

The fuel water separator filters out water from fuel, enhances the engine's durability, and reduces quality problems caused by the presence of water in fuel (Extra Filter + Pre Filter + Main Filter).

INDUSTRY-LEADING PERFORMANCE AND PRODUCTIVITY

DX480LCA-K
DX520LCA-K

Best-in-Class Productivity with Unparalleled Lifting Capacity and Machine Stability

How the DX480/520LCA-K performs has a direct impact on productivity. The combination of a newly improved engine and a redesigned EPOS-driven hydraulic system with an attractive cost-performance ratio is unrivalled by any other hydraulic excavators in its class.

* The above image may differ from the actual product.

DOOSAN ENGINE-DX12

The DX12 is a whole new mechanical engine built on Doosan's continuously evolving engine technology.

Its quality and durability have been significantly improved against the previous engine, delivering greater maximum engine output through various system improvements, and thereby reducing the engine's workload during machine operation.
Doosan has also improved the engine's components to eliminate any possibility of failure in the field.
The improved design and materials of key components such as the engine block, cylinder head and piston has extended the engine's lifespan to a significant extent.

The new engine represents a breakthrough to even greater operational comfort, safety and productivity.

FAST CYCLE TIME

EXCAVATOR CONTROL

Excavator control improved by the New EPOS™ system
As the brain of the hydraulic excavator, the EPOS™ (Electronic Power Optimizing system) has been improved and perfectly synchronized with the newly adopted CAN (Controller Area Network) communication link.

LIFTING CAPACITY

Incomparable Lifting Capacity
The counterweight and undercarriage are built on the solid structure of this huge and powerful machine to create the best lifting capacity in its class.

DURABILITY & STABILITY

DX480LCA-K
DX520LCA-K

Manufactured with surprisingly strong materials and structures, the DX480/520LCA-K is unrivalled in durability and safety, allowing it to pass rigorous performance tests under extreme conditions. Whenever you work in a tough environment, you can count on Doosan's DX480/520LCA-K.

* The above image may differ from the actual product.

HEAVY DUTY BOOM & ARM

With its state-of-the-art computer-aided design technology, Doosan's machines are manufactured from highly durable materials and adopted structural design, enabling the machines to pass rigorous performance testing under the harshest conditions.

- **A Center Boss Plate**
  - Size increased
- **B Boom End Bracket**
  - Single piece of casting type
- **C Arm Bottom Plate**
  - Increase plate thickness
- **D Arm Side Plate**
  - Increased plate thickness
- **E Arm Back Plate**
  - Reinforced bar
- **F Heavy Duty Bucket**
  - New bucket with effective design
- **G Boom Plate**
  - Increased boom foot height and decreased width
  - Increased plate thickness

EM BUSHING

The boom pivot is made with a highly lubricated metal to increase the lifespan and extend greasing intervals to 250 hours.

ABRASION-RESISTANT ARM END DISK

New disks have been adopted to increase wear resistance and service intervals.

STABILITY

11.1 TON COUNTERWEIGHT

ONLY DX520LCA-K

The machine can be fitted with a counterweight at least 1 ton heavier than its competitors in the same class.

INTEGRATED TRACK SPRING AND IDLER

The track spring and idler have been joined directly for even greater durability and improved maintenance convenience.

LARGER AND WIDER TRACK

The DX480/520LCA-K is equipped with a track that is up to 3.9 m wider and up to 5.5 m longer, thus contributing to greater safety and productivity whatever the operational type.

FUEL EFFICIENCY

DX480LCA-K
DX520LCA-K

DOOSAN's efficient dynamics feature a

"NEW CONTROL LOGIC" FOR GREATER FUEL EFFICIENCY!

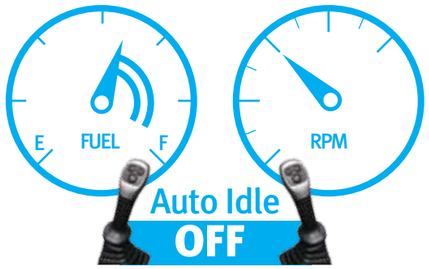
* The above image may differ from the actual product.

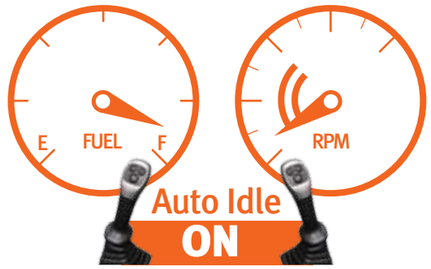
RELIEF CUTOFF

The DX480/520LCA-K is equipped with a relief cutoff system that automatically detects excess hydraulic pressure in the cylinder and controls it by redirecting a portion of the hydraulic flow running into the cylinder back to the main pump, thereby eliminating the risk of cylinder damage due to excess pressure.
The Relief Cutoff function ensures that the DX480/520LCA-K is permanently maintained in the optimal state.

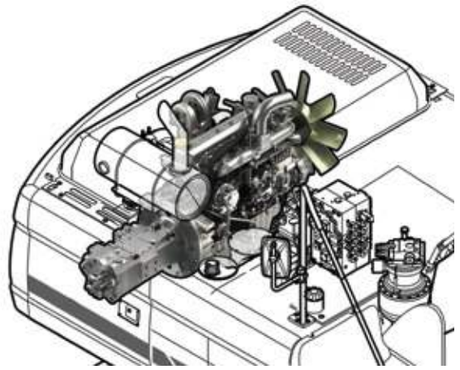
AUTO IDLE

The DX480/520LCA-K is equipped with the Auto Idle function which automatically puts the engine and pump into the Standby mode when it detects a pause during operation. This function helps reduce fuel consumption by lowering idling RPM.

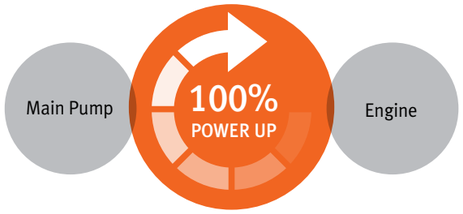




PUMP MATCHING TECHNOLOGY



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



OPERATOR COMFORT

DX480LCA-K
DX520LCA-K

More space, wider visibility, better air conditioning, and a very comfortable seat - all these elements allow the operator to work safely and comfortably for long hours in the best possible conditions.

* The above image may differ from the actual product.

MONITOR

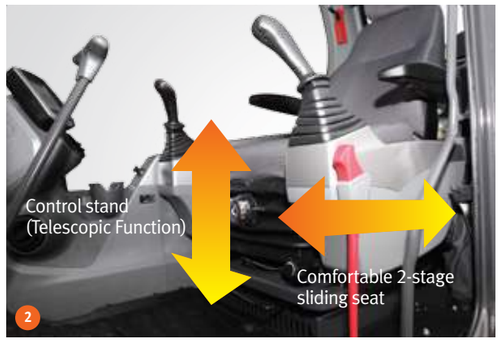
3 work modes to suit all your work requirements
- 1-way mode
- 2-way mode
- Digging mode

3 power modes for maximum efficiency
- Power mode
- Standard mode
- Economy mode

1. Gauges
2. Navigation modes, rear view camera, Display selector
3. Working modes, auto-idle & flow rate control

CONTROL PANEL

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



1 SIMPLE OPERATION

Levelling operations, the movement of lifted loads and tricky maneuvers are all controlled easily and precisely with the control levers. The buttons integrated into the levers can also be used to operate additional equipment such as grabs, crushers and grapples and to activate the power boost function.

2 SLIDING SEAT

3 REAR VIEW CAMERA (OPTIONAL)

4 AIR CONDITIONING WITH CLIMATE CONTROL

The high-performance air conditioning adjusts and electronically controls the flow of air according to the work conditions. The choice of five operating modes will keep even the most demanding operator happy and satisfied.

EASY MAINTENANCE

DX480LCA-K
DX520LCA-K

Short maintenance operations at long intervals increase the machine's availability onsite at all times. DOOSAN has developed the DX480LCA-K, DX520LCA-K to deliver even higher profitability to the customer.

ACCESSIBLE PARTS

Access to the various radiators is very easy, making cleaning quicker and simpler.
The engine parts can be reached easily from the top and side panels.

HYDRAULIC OIL RETURN FILTER

Protection of the hydraulic system has been made more effective by applying glass fiber filter technology to the main oil return filter. More than 99.5% of foreign particles are filtered out, significantly increasing the interval between changes of oil.

AIR FILTER WITH PRE-FILTERED DUST SEPARATOR

The large-capacity forced air cleaner removes over 99% of airborne particles, thereby reducing the risk of engine contamination and further increasing the intervals between cleaning and cartridge replacement. The pre-cleaning system uses centrifugal force to eliminate dust.

* The above image may differ from the actual product.

1 FUEL PRE-FILTER WITH WATER SEPARATOR

High-efficiency fuel filtration is attained by the use of multiple filters. These include a fuel pre-filter fitted with a water separator that removes moisture, dirt and debris from the fuel. A fuel drain valve has been installed to facilitate maintenance.

2 EASY-OPEN ENGINE BONNET

The larger lifting cylinder allows the operator to open and close the DX480/520LCA-K's bonnet easily and safely.

3 PRE CLEANER

The installation of a rotor type pre-cleaner has increased filtering efficiency.

4 REMOTE GREASING POINTS

Centralization of the arm and boom greasing points has made maintenance easier. Remote greasing points are gathered on the boom and arm.

5 NEW BATTERY BOX

The DX480/520LCA-K's battery box is designed with a larger anti-slip surface, guaranteeing safe operation even on slippery ground under wet and rainy conditions. In addition, the cut-off switch and spring are situated within easy reach to enable safer and more convenient control of maintenance.

6 CONVENIENT FUSE BOX

The fuse box is conveniently located in a section of the storage compartment behind the operator's seat to provide a clean environment and easy access.

7 NEW HANDRAIL & GUARDRAIL

Every guard now has its own handrail, ensuring greater safety during maintenance.

8 CAT WALK ADOPTED AS STANDARD FEATURE ON DX480LCA-K & DX520LCA-K

The upper structure features a larger anti-slip surface for greater safety.

TELEMATICS SERVICE (OPTIONAL)

TELECOMMUNICATIONS

Data flow from machine to web

TELEMATICS SERVICE TERMINAL

Telematics Service terminal is installed to machine / connected to EPOS™

TELECOMMUNICATION

GPS, EPOS™ data is sent to designated server by GSM, Satellite telecommunication

DOOSAN TELEMATICS SERVICE WEB

Doosan, Dealer, Customer can easily monitor the GPS, EPOS™ data from Core Telematics Service web

BENEFITS

FUNCTIONS

Location
- GPS
- Geo-fence

Reports
- Periodic operation report
- Utilization

Operation Trend
- Total operation hour
- Operation hour by mode

Fuel Efficiency*
- Fuel level
- Fuel consumption

Filter & Oil Management
- Preventive maintenance by item replacement cycle

Warning & Alert
- Detect machine warnings
- Antenna disconnection
- Geo/Time fence

* Functions may not be applied to all models. Please contact your sales representative to get more information of the service.

TELEMATICS SERVICE BENEFITS

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

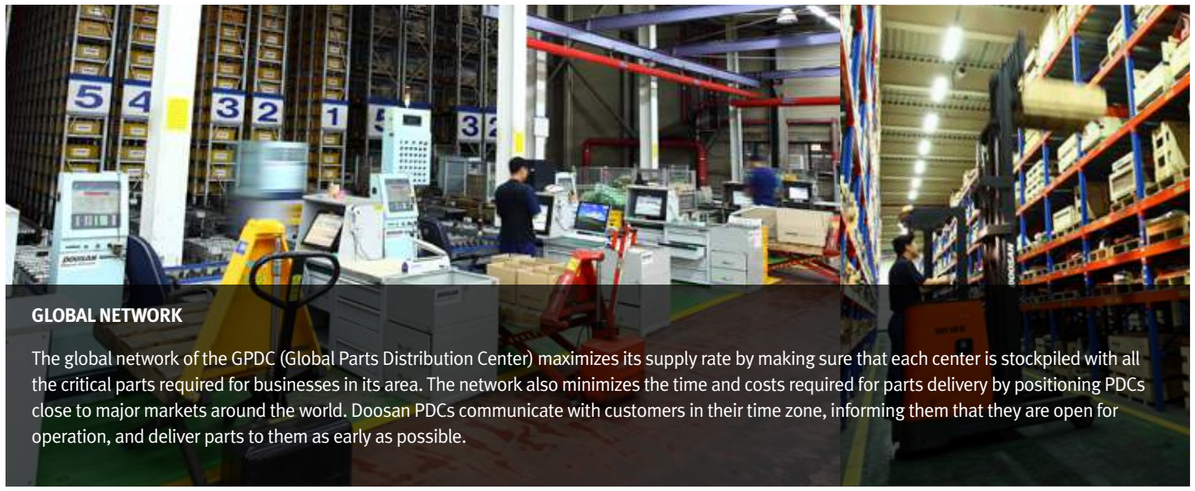
Doosan

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

GLOBAL PARTS NETWORK

GLOBAL PDC (PARTS DISTRIBUTION CENTER) NETWORK

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

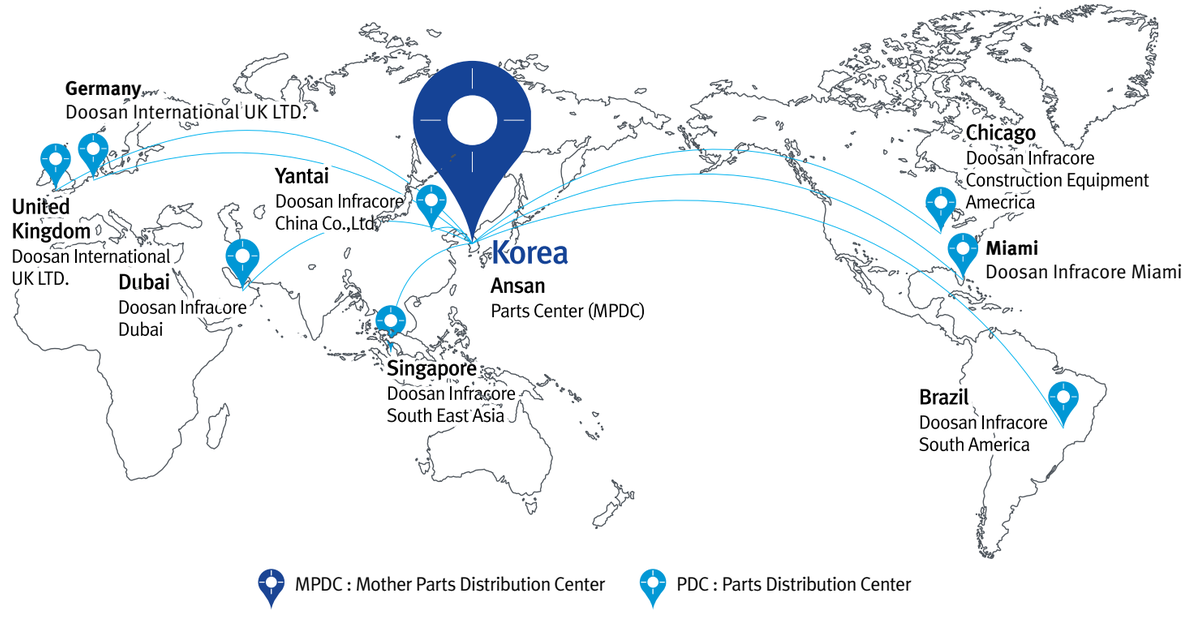


GLOBAL NETWORK

The global network of the GPDC (Global Parts Distribution Center) maximizes its supply 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. Doosan 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 eight other PDCs include one in China (Yantai), two in the USA (Chicago and Miami), one in Brazil (Campinas), two in Europe (Germany and the UK), one in the Middle East (Dubai), and one in Asia (Singapore).



PDC BENEFIT

ATTACHMENTS

DX480LCA-K
DX520LCA-K

Heavy Construction Bucket, which is also called Heavy Duty bucket, is the most commonly used bucket in the construction equipment market and is designed mainly for use in heavy construction but also used in low density mining and quarry application.

General Purpose bucket

which is also called General Purpose bucket, is designed for digging and re-handling soft to medium materials e.g. materials with low wear characteristics such as top-soil, loam, coal.

Heavy Duty bucket

which is also called Heavy Duty bucket, is the most commonly used bucket in the construction equipment market and is designed mainly for use in heavy construction but also used in low density mining and quarry application.

Severe Duty bucket

which is also called Severe Duty bucket. The bucket is designed for use in high density mining and quarry application using high strength and high abrasion resistance materials.
It can be used in the toughest of applications.

Extra Severe Duty Bucket

which is also called X class bucket. The bucket is designed for use in high density mining and quarry application using high strength and high abrasion resistance materials.
It can be used in the toughest of applications.

TOOTH

GD (General Duty) Tooth

Optimized design for Doosan's GP and the new General Construction bucket.
Suitable for machines ranging from 14 to 70 tons. Recommended for general construction and utility loading applications.

HD (Heavy Duty) Tooth

Optimized design for the Heavy Construction bucket. Suitable for machines ranging from 14 to 70 tons.
Recommended for most applications including excavating, trenching, loading and medium density quarries and mining.

SD (Severe Duty) Tooth

Optimized design for the Severe Mining bucket and the Xtreme Mining bucket. Suitable for machines ranging 22 to 70 tons. Recommended for extremely tough quarries and mining application.

BUCKET

General Purpose (GP)

Rock Bucket (ROCK)

Heavy Duty (H class)

Severe Duty (S class)

Extra Severe Duty (X class)

	Model	Suitable Excavator	Capacity (Width) [m³(mm)]
GENERAL PURPOSE BUCKET	GP	DX480/520	1.80(1,455) / 2.14(1,663) / 2.39(1,819) / 2.86(2,111)
		DX480/520 SLR	0.92(1,232)
ROCK BUCKET	ROCK	DX480/520	1.71(1,572)
HEAVY DUTY BUCKET	H class	DX480/520	1.80(1,266) / 2.07(1,416) / 2.35(1,566) / 2.72(1,766) / 2.91(1,866) / 3.28(2,066)
SEVERE DUTY BUCKET	S class	DX480/520	1.94(1,350) / 2.22(1,500) / 2.59(1,700) / 2.78(1,800) / 3.15(2,000)
EXTRA SEVERE DUTY BUCKET	X class	DX480/520	1.94(1,370) / 2.22(1,520) / 2.59(1,720) / 2.78(1,820)

DEMOLITION

Hydraulic Breaker

Steel Shear

	Model	Suitable Excavator	Weight [kg]	Tool dia. [mm]	Operating Pressure [kg/cm²]	Oil Flow [l/min]	Frequency [bpm]
HYDRAULIC BREAKER	DXB500	DX480/520	4,165	175	165~185	230~330	250~500

	Model	Suitable Excavator	Weight [kg]	Crushing Force [t]	Jaw Opening Width [mm]
STEEL SHEAR	SS48	DX480/520	4,586	626	706

MATERIAL HANDLING

Stone Grapple

Orange Grapple

Clamshell Bucket

	Model	Suitable Excavator	Weight [kg]	Capacity [m³]	Jaw Opening Width [mm]
STONE GRAPPLE	SG50	DX480/520	2,575	0.95	2,700
ORANGE GRAPPLE	OG50	DX480/520	2,500	0.97	2,480
CLAMSHELL BUCKET	CB50	DX480/520	2,280	1.7	2,385

OTHERS

Quick Coupler

Ripper

	Model	Suitable Excavator	Weight [kg]	Pin dia. [mm]
QUICK COUPLER	QC50	DX480/520	888	120

	Model	Suitable Excavator	Weight [kg]	Pin dia. [mm]
RIPPER	RP50	DX480/520	1,150	130

TECHNICAL SPECIFICATIONS

ENGINE

Model

DOOSAN DX12

Water-Cooled, Turbocharge, Mechanical Governor

Number of cylinders

6

Rated horse power

238 kW (319 HP) @ 2,000 rpm (SAE J1995, Gross)
223 kW (299 HP) @ 2,000 rpm (SAE J1349, net)

Max torque

139 kgf.m @ 1,300 rpm

Piston displacement

11.1 l

Bore x stroke

⌀ 123 mm x 155 mm

Starter

24 V / 7.0 kW

Batteries

2 x 12 V / 150 Ah

Air filter

Double element

HYDRAULIC SYSTEM

The brain of the excavator is the EPOS™ (Electronic Power Optimizing System). It allows the efficiency of the hydraulic system to be optimised for all working conditions and minimises fuel consumption. The EPOS™ is connected to the engine's electronic control unit (ECU) via a data transfer link to harmonise 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
- Cross-sensing pump system for fuel savings
- Auto deceleration system
- Three operating modes, three power modes
- Button control of flow in auxiliary hydraulic circuits
- Computer-aided pump flow control

Main pumps

Parallel, Bent-axis, Axial Piston
Max. flow Rate : 2 x 342 l/min (Rated)
2 x 387 l/min (Travel)

Pilot pump

Gear pump
Max. flow : 25.8 l/min @ 1,900 rpm
Relief valve pressure : 40 bar (40.8 kgf/cm²)

Maximum system pressure

Main Relief Valve Pressure : 325/355 kgf/cm²
Travel Crossover Relief Valve Pressure : 350 kgf/cm²
Swing Crossover Relief Valve Pressure : 300 kgf/cm²

UNDERCARRIAGE

Very robust construction of all chassis elements. All welded structures designed to limit stresses. High-quality, durable materials. Lateral chassis welded and rigidly attached to undercarriage. Track rollers lubricated for life. Idlers and sprockets fitted with floating seals. Track 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 (standard shoe) : 3

Lower rollers : 9

Track shoes : 53

DRIVE

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

Travel speed (High / low)

5.7 / 3.2 km/h

Maximum traction force

36.4 / 20.7 ton.f (357 / 203 kN)

Gradeability

70%

ENVIRONMENT

Noise levels comply with environmental regulations (dynamic values).

Noise level LwA

Guaranteed: 109 dB(A) (2000/14/EC)

Operator LpA

75 dB(A) (ISO 6396)

REFILL CAPACITIES

Fuel tank

620 l

Cooling system (radiator capacity)

29.5 l

Engine oil

31 l

Swing drive

2 x 5 l

Final drive

2 x 10 l

Hydraulic tank

390 l

HYDRAULIC CYLINDERS

Piston rods and cylinder bodies of high-strength steel.
Shock-absorbing mechanism fitted in all cylinders for shock-free operation and extended piston life.

Cylinders	Quantity	Bore x Rod diameter x stroke
Boom	2	170 x 115 x 1,610
Arm (7.1 m boom)	1	190 x 130 x 1,980
Arm (6.3 m boom)	1	190 x 130 x 1,805
Bucket	1	170 x 115 x 1,341
Bucket (8 m arm only)	1	120 x 80 x 1,060

SWING MECHANISM

- High-torque, axial piston motor with planetary reduction gear bathed in oil
- Swing circle is a single-row, shear type ball bearing with induction-hardened internal gear
- Internal gear and pinion immersed in lubricant

Max. Swing speed - 8.5 rpm
Max. Swing Torque - 16,310 kgf.m (160 kN.m)

WEIGHT

Double grouse

Model	Shoe width (mm)	Ground pressure (kgf/cm²)	Machine Weight (ton)
DX480LCA-K	STD. 600TG	0.86	49.4
	OPT. 750TG	0.70	50.5
	OPT. 800TG	0.66	50.7
	OPT. 900TG	0.59	51.3
	OPT. 600DG	0.86	49.5
DX520LCA-K	STD. 600TG	0.90	52.2
	OPT. 750TG	0.74	53.2
	OPT. 800TG	0.69	53.5
	OPT. 900TG	0.62	54.1
	OPT. 600DG	0.90	52.2

TECHNICAL SPECIFICATIONS

BUCKET

	TRACK	Wide Track (3.9m)					
	MODEL	DX480LCA-K			DX520LCA-K		
	C/W (ton)	8.5			11.1		
	SHOE (mm)	600			600		
Bucket Type	Capacity		7.1m MONO Boom			6.3m Boom		11.1m Boom
	SAE/PCSA	CECE	2.9m Arm	3.35m Arm	3.98m Arm	2.4m Arm	2.9m Arm	8.0m Arm
GP	0.92 m³	0.81 m³	-	-	-	-	-	A
	1.8 m³	1.6 m³	A	A	A	A	A	-
	2.14 m³	1.87 m³	A	A	A	A	A	-
	2.39 m³	2.1 m³	A	B	B	A	A	-
	2.86 m³	2.51 m³	B	C	C	A	A	-
ROCK	1.71 m³	1.48 m³	A	A	A	A	A	-
H Class	1.8 m³	1.63 m³	A	A	A	A	A	-
	2.07 m³	1.86 m³	A	A	A	A	A	-
	2.35 m³	2.1 m³	A	B	B	A	A	-
	2.72 m³	2.42 m³	B	C	C	A	A	-
	2.91 m³	2.58 m³	C	C	D	A	A	-
	3.28 m³	2.89 m³	C	D	D	A	A	-
S Class	1.94 m³	1.75 m³	A	A	A	A	A	-
	2.22 m³	1.99 m³	A	B	B	A	A	-
	2.59 m³	2.31 m³	B	C	C	A	A	-
	2.78 m³	2.47 m³	C	C	D	A	A	-
	3.15 m³	2.78 m³	D	D	-	A	A	-
X Class	1.94 m³	1.75 m³	A	A	A	A	A	-
	2.22 m³	1.99 m³	A	B	C	A	A	-
	2.59 m³	2.31 m³	B	C	D	A	A	-
	2.78 m³	2.47 m³	C	D	D	A	A	-

Based on ISO 10567 and SAE J296, arm length without quick change clamp
A : Suitable for materials with density of 2100kg/m³ (3500lb/yd³)
B : Suitable for materials with density of 1800kg/m³ (3000lb/yd³)
C : Suitable for materials with density of 1500kg/m³ (2500lb/yd³)
D : Suitable for materials with density of 1200kg/m³ (2000lb/yd³)
X : Not recommended

This bucket recommendation is based on machine stability considering the tipping load with certain density of handling material, and should be strictly followed.
It's more recommendable to use a smaller size of bucket than recommendation under the severe working condition and application to avoid the durability risks.

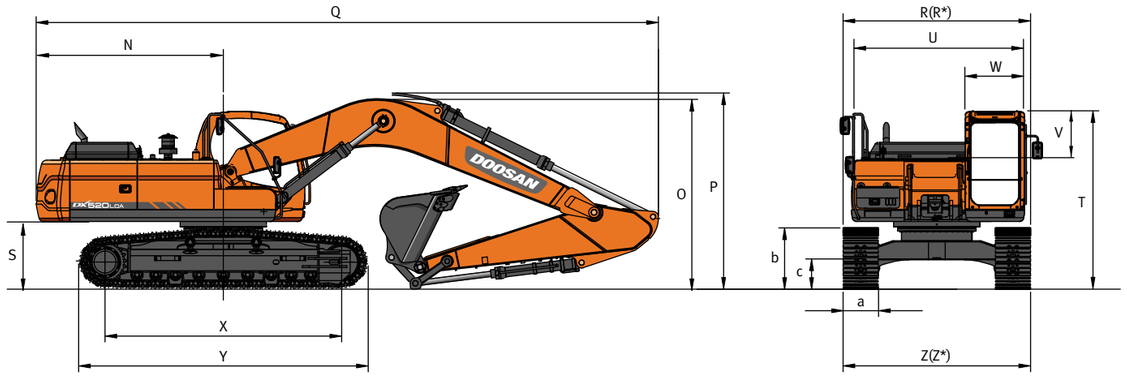
ARM DIGGING FORCES

Model	Arm	Length (mm)	Weight (kg)	Digging Force (ton)
DX480LCA-K	Standard	3,350	1,725	[SAE] 20.1/22.0 [ISO] 20.7/22.6
	Heavy Duty	3,350	1,830	
	Short	2,400	1,530	[SAE] 26.5/29.0 [ISO] 27.4/30.0
	Short	2,900	1,600	[SAE] 22.9/25.0 [ISO] 23.6/25.8
	Long	3,980	1,850	[SAE] 18.1/19.8 [ISO] 18.6/20.3
DX520LCA-K	Standard	2,900	1,600	[SAE] 23.2/25.4 [ISO] 23.6/25.8
	Short	2,400	1,530	[SAE] 26.9/29.5 [ISO] 27.4/29.9
	Heavy Duty	3,350	1,830	[SAE] 20.1/22.0 [ISO] 20.7/22.6
	SLR	8,000	2,460	[SAE] 10.7/11.7 [ISO] 10.9/11.9

BUCKET DIGGING FORCES

Model	Type	Bucket	Capacity (m³)		Width (mm)		Digging force (ton)
			CECE	SAE/PCSA	With Cutter	W/O Cutter	
DX480LCA-K	GP	STD	1.89	2.14	1,682	1,588	[SAE] 24.9/27.2 [ISO] 28.1/30.8
		OPT	1.60	1.80	1,474	1,381	
		OPT	2.10	2.39	1,837	1,744	
		OPT	2.50	2.86	2,130	2,037	
	ROCK	OPT	1.51	1.71	-	1,572	[SAE] 24.5/26.7 [ISO] 27.6/30.3
DX480LCA-K DX520LCA-K	R2H	OPT	1.63	1.80	1,266	1,232	[SAE] 25.5/27.0 [ISO] 28.4/30.1
		OPT	1.86	2.07	1,416	1,382	
		OPT	2.10	2.35	1,566	1,532	
		OPT	2.42	2.72	1,766	1,732	
		OPT	2.58	2.91	1,866	1,832	
		OPT	2.89	3.28	2,066	2,032	
	R2S	OPT	1.75	1.94	1,350	1,350	[SAE] 25.4/26.9 [ISO] 28.6/30.3
		OPT	1.99	2.22	1,500	1,500	
		OPT	2.31	2.59	1,700	1,700	
		OPT	2.47	2.78	1,800	1,800	
		OPT	2.78	3.15	2,000	2,000	
	R2X	OPT	1.75	1.94	1,370	1,350	[SAE] 25.4/26.9 [ISO] 28.5/30.3
		OPT	1.99	2.22	1,520	1,500	
		OPT	2.31	2.59	1,720	1,700	
		OPT	2.47	2.78	1,820	1,800	
DX520LCA-K		OPT	0.81	0.92	1,236	1,172	[SAE] 12.1/13.2 [ISO] 13.8/15.2

DIMENSIONS



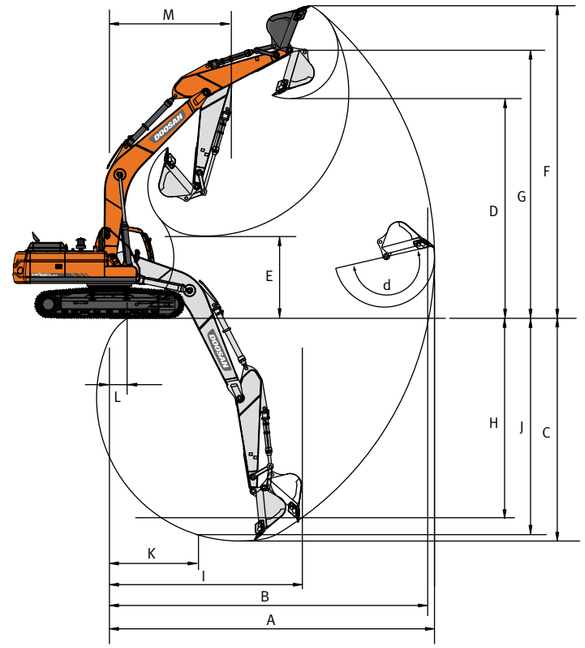
DIMENSIONS

DX 480LCA-K							
Boom type	(mm)		**6,300**	**7,100**			**7,100**
Arm type	(mm)		**2,900**	**2,900**	**3,350**	**3,980**	**3,350**
Bucket type (SAE/PCSA)	(m^3)		**2.14**	**2.39**	**2.14**	**1.80**	**2.14**
Remarks			**Variable**	**Variable**	**Variable**	**Variable**	**Fixed**
Tail swing radius	(mm)	N	3,700	3,700	3,700	3,700	3,700
Shipping height (Boom)	(mm)	O	4,140	3,830	3,580	3,840	3,570
Shipping height (Hose)	(mm)	P	4,200	3,980	3,730	3,990	3,720
Shipping length	(mm)	Q	11,430	12,230	13,130	12,210	12,180
Shipping width (Std.)	(mm)	R	3,340	3,340	3,340	3,340	3,350
Shipping width (Narrow)	(mm)	R*	3,070/2,990	3,070/2,990	3,070/2,990	3,070/2,990	-
C/Weight clearance**	(mm)	S	1,426	1,426	1,426	1,426	1,275
Height over cab.**	(mm)	T	3,326	3,326	3,326	3,326	3,175
House width	(mm)	U	2,990	2,990	2,990	2,990	2,990
Cab. Height above house	(mm)	V	845	845	845	845	845
Cab. Width	(mm)	W	1,010	1,010	1,010	1,010	1,010
Tumbler distance	(mm)	X	4,470	4,470	4,470	4,470	4,470
Track length	(mm)	Y	5,455	5,455	5,455	5,455	5,455
Undercarriage width (Std.)	(mm)	Z	3,340/3,900*	3,340/3,900*	3,340/3,900*	3,340/3,900*	3,350
Undercarriage width (Narrow)	(mm)	Z*	3,070/3,570* 2,990/3,490*	3,070/3,570* 2,990/3,490*	3,070/3,570* 2,990/3,490*	3,070/3,570* 2,990/3,490*	-
Shoe width	(mm)	a	600	600	600	600	600
Track height**	(mm)	b	1,183	1,183	1,183	1,183	1,069
Car body clearance**	(mm)	c	725	725	725	725	532

DX 520LCA-K							
Boom type	(mm)		**6,300**		**7,100**		**11,000**
Arm type	(mm)		**2,400**	**2,900**	**3,350**		**8,000**
Bucket type (SAE/PCSA)	(m^3)		**3.28**	**3.28**	**2.39**		**0.92**
Remarks			**Variable**	**Variable**	**Variable**	**Fixed**	**Variable**
Tail swing radius	(mm)	N	3,700	3,700	3,700	3,700	3,700
Shipping height (Boom)	(mm)	O	4,010	4,140	3,990	3,570	3,930
Shipping height (Hose)	(mm)	P	4,100	4,200	4,125	3,720	4,070
Shipping length	(mm)	Q	11,620	11,430	12,130	12,180	16,090
Shipping width (Std.)	(mm)	R	3,340	3,340	3,340	3,350	3,340
Shipping width (Narrow)	(mm)	R*	3,070/2,990	3,070/2,990	3,070/2,990	-	3,070/2,990
C/Weight clearance**	(mm)	S	1,426	1,426	1,426	1,275	1,426
Height over cab. **	(mm)	T	3,326	3,326	3,326	3,175	3,326
House width	(mm)	U	2,990	2,990	2,990	2,990	2,990
Cab. Height above house	(mm)	V	845	845	845	845	845
Cab. Width	(mm)	W	1,010	1,010	1,010	1,010	1,010
Tumbler distance	(mm)	X	4,470	4,470	4,470	4,470	4,470
Track length	(mm)	Y	5,455	5,455	5,455	5,455	5,455
Undercarriage width (Std.)	(mm)	Z	3,340/3,900*	3,340/3,900*	3,340/3,900*	3,350	3,340/3,900*
Undercarriage width (Narrow)	(mm)	Z*	3,070/3,570* 2,990/3,490*	3,070/3,570* 2,990/3,490*	3,070/3,570* 2,990/3,490*	-	3,070/3,570* 2,990/3,490*
Shoe width	(mm)	a	600	600	600	600	600
Track height**	(mm)	b	1,183	1,183	1,183	1,069	1,183
Car body clearance**	(mm)	c	725	725	725	532	725

[NOTE] * : Retracted / Extended ** : Without shoe grouser

WORKING RANGES



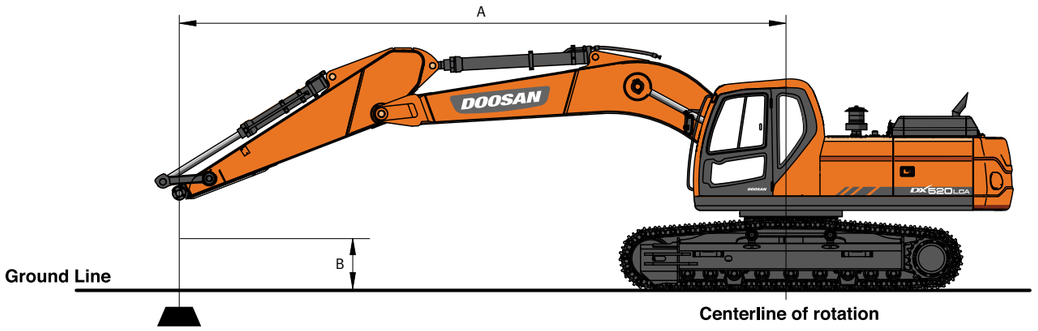
WORKING RANGES

DX 480LCA-K							
Boom type	(mm)		**6,300**	**7,100**			
Arm type	(mm)		**2,900**	**2,900**	**3,350**	**3,350****	**3,980**
Bucket type (SAE/PCSA)	(m^3)		**2.86**	**2.39**	**1.71**	**2.14**	**2.14**	**1.80**
Max. Digging reach	(mm)	A	10,770	11,720	12,150	12,120	12,120	12,670
Max. Digging reach (Ground)	(mm)	B	10,480	11,460	11,900	11,870	11,870	12,430
Max. Digging depth	(mm)	C	6,810	7,360	7,850	7,810	7,655	8,440
Max. Loading height	(mm)	D	6,595	7,730	7,850	7,880	7,725	8,040
Min. Loading height	(mm)	E	2,930	3,580	3,110	3,125	2,970	2,500
Max. Digging height	(mm)	F	9,720	10,940	10,930	11,080	10,925	11,230
Max. Bucket pin height	(mm)	G	8,520	9,560	9,720	9,705	9,550	9,850
Max. Vertical wall depth	(mm)	H	2,920	4,080	5,310	4,410	4,255	4,965
Max. Radius vertical	(mm)	I	9,310	9,705	9,310	9,970	9,970	10,235
Max. Depth to 2,500mm line	(mm)	J	6,555	7,165	7,645	7,635	7,635	8,265
Min. Radius 2,500mm line	(mm)	K	3,195	3,885	3,895	3,895	3,895	3,905
Min. Digging reach	(mm)	L	1,140	2,050	820	880	880	80
Min. Swing radius	(mm)	M	4,750	5,190	5,170	5,170	5,170	5,140
Bucket angle	(deg)	d	176	174	174	174	174	174

DX 520LCA-K							
Boom type	(mm)		**6,300**		**7,100**		**11,000**
Arm type	(mm)		**2,900**	**2,900****	**2,400**	**3,350**	**8,000**
Bucket type (SAE/PCSA)	(m^3)		**3.28**	**3.28**	**2.86**	**2.39**	**0.92**
Max. Digging reach	(mm)	A	10,750	10,750	11,215	12,120	19,610
Max. Digging reach (Ground)	(mm)	B	10,460	10,460	10,944	11,870	19,460
Max. Digging depth	(mm)	C	6,770	6,615	6,847	7,810	15,130
Max. Loading height	(mm)	D	6,720	6,565	7,505	7,880	11,950
Min. Loading height	(mm)	E	2,950	2,795	4,155	3,125	1,980
Max. Digging height	(mm)	F	9,600	9,445	10,494	11,080	14,520
Max. Bucket pin height	(mm)	G	8,520	8,365	9,311	9,705	10,735
Max. Vertical wall depth	(mm)	H	1,190	1,035	1,380	4,410	12,840
Max. Radius vertical	(mm)	I	10,100	10,100	10,536	9,970	9,730
Max. Depth to 2,500mm line	(mm)	J	6,535	6,535	6,635	7,165	15,010
Min. Radius 2,500mm line	(mm)	K	3,175	3,175	3,830	3,885	6,165
Min. Digging reach	(mm)	L	1,240	1,240	3,263	880	270
Min. Swing radius	(mm)	M	4,750	4,750	5,170	5,170	6,210
Bucket angle	(deg)	d	174	174	117	174	178

[NOTE] ** : Fixed Track

LIFTING CAPACITY



DX480LCA-K [STANDARD]

Boom : 7,100 mm Arm : 2,900 mm Without bucket Counterweight : 8,500 kg

Unit : 1,000kg

A(m) / B(m)	3		4.5		6		7.5		9		Max. Reach		
													A(m)
9											11.84 *	11.84 *	7.35
7.5							11.75 *	11.75 *			11.15 *	9.65	8.48
6					14.15 *	14.15 *	12.35 *	11.7	11.43 *	8.61	10.95 *	8.23	9.22
4.5					16.21 *	15.85	13.36 *	11.24	11.63	8.42	10.31	7.45	9.68
3					18.21 *	14.89	14.43 *	10.74	11.37	8.17	9.81	7.05	9.88
1.5					19.47 *	14.23	14.64	10.34	11.13	7.95	9.72	6.96	9.85
0			18.98 *	18.98 *	19.71 *	13.91	14.37	10.09	10.98	7.81	10.04	7.17	9.58
-1.5			24.29 *	22.1	18.98 *	13.86	14.3	10.02	11	7.83	10.9	7.76	9.06
-3	26.21 *	26.21 *	21.58 *	21.58 *	17.17 *	14.02	13.48 *	10.15			11.59 *	9	8.23
-4.5	20.49 *	20.49 *	17.20 *	17.20 *	13.63 *	13.63 *					10.84 *	10.84 *	6.98

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 47,220 kg included in this mass Boom 7.1 m, Arm 2.9 m, 8,500 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree

DX480LCA-K [OPTION 1]

Boom : 7,100 mm Arm : 3,350 mm Without bucket Counterweight : 8,500 kg

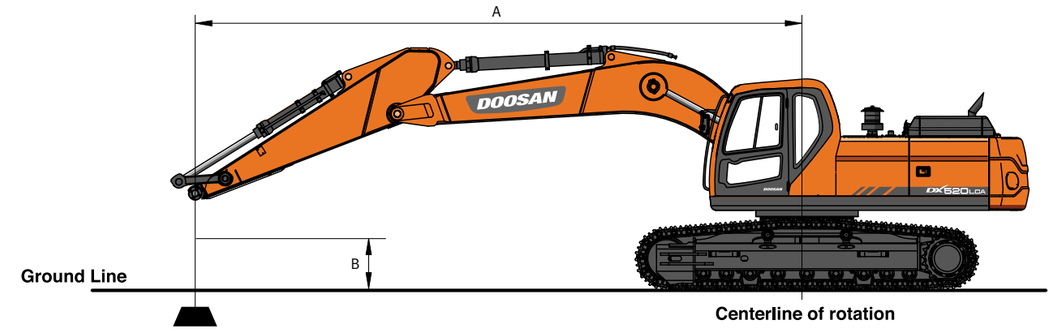
Unit : 1,000kg

A(m) / B(m)	3		4.5		6		7.5		9		Max. Reach		
													A(m)
9							11.02 *	11.02 *			8.61 *	8.61 *	7.88
7.5							11.00 *	11.00 *			8.16 *	8.16 *	8.94
6							11.69 *	11.69 *	10.81 *	8.66	8.03 *	7.62	9.65
4.5			20.58 *	20.58 *	15.35 *	15.35 *	12.77 *	11.29	11.29 *	8.42	8.14 *	6.93	10.09
3			22.23 *	22.23 *	17.48 *	15	13.93 *	10.75	11.34	8.14	8.47 *	6.57	10.28
1.5			17.23 *	17.23 *	18.99 *	14.24	14.61	10.3	11.07	7.88	9.05 *	6.47	10.25
0			21.54 *	21.54 *	19.55 *	13.81	14.28	10	10.88	7.7	9.34	6.64	10.00
-1.5	17.28 *	17.28 *	25.05 *	21.78	19.13 *	13.68	14.15	9.87	10.82	7.65	10.05	7.13	9.50
-3	26.55 *	26.55 *	22.65 *	22.06	17.69 *	13.78	13.95 *	9.94			11.16 *	8.13	8.71
-4.5	23.56 *	23.56 *	18.78 *	18.78 *	14.80 *	14.13	10.91 *	10.29			10.75 *	10.21	7.55

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 47,419 kg included in this mass Boom 7.1 m, Arm 3.35 m, 8,500 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree



DX480LCA-K [OPTION 2]

Boom : 7,100 mm Arm : 3,980 mm Without bucket Counterweight : 8,500 kg

Unit : 1,000kg

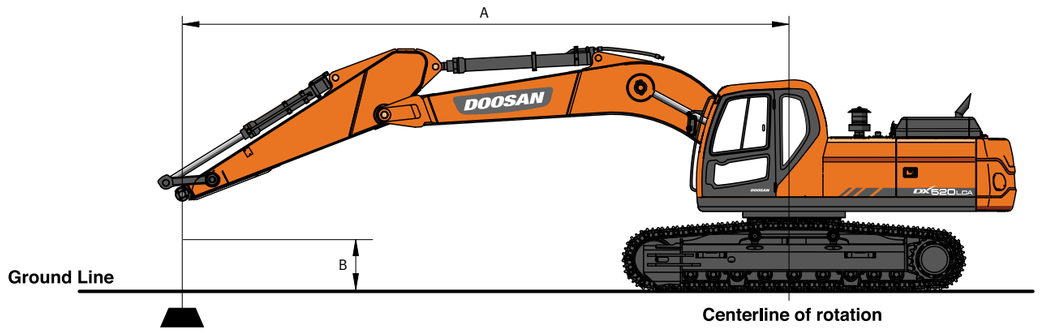
A(m) / B(m)	1.5		3		4.5		6		7.5		9		10.5		Max. Reach		
																	A(m)
9															7.28 *	7.28 *	8.59
7.5											9.93 *	9.05			6.96 *	6.96 *	9.57
6									10.97 *	10.97 *	10.21 *	8.9			6.88 *	6.88 *	10.23
4.5							14.34 *	14.34 *	12.13 *	11.58	10.81 *	8.63	8.30 *	6.63	6.99 *	6.46	10.64
3					23.21 *	23.21 *	16.65 *	15.43	13.41 *	11	11.52 *	8.31	9	6.48	7.26 *	6.14	10.83
1.5					22.71 *	22.56	18.49 *	14.54	14.52 *	10.49	11.2	8.01	8.84	6.33	7.74 *	6.05	10.80
0					23.39 *	21.9	19.46 *	13.99	14.41	10.12	10.96	7.78	8.73	6.22	8.50 *	6.17	10.56
-1.5	13.30 *	13.30 *	16.97 *	16.97 *	26.03 *	21.75	19.46 *	13.74	14.2	9.92	10.83	7.66			9.21	6.55	10.09
-3	19.30 *	19.30 *	24.09 *	24.09 *	24.16 *	21.91	18.49 *	13.74	14.18	9.9	10.87	7.7			10.33	7.33	9.35
-4.5			27.73 *	27.73 *	20.93 *	20.93 *	16.28 *	13.97	12.63 *	10.1					10.68 *	8.86	8.28
-6					15.56 *	15.56 *	11.86 *	11.86 *							9.89 *	9.89 *	6.70

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 47,393 kg included in this mass Boom 7.1 m, Arm 3.98 m, 8,500 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree

LIFTING CAPACITY



DX520LCA-K [STANDARD]

Boom : 6,300 mm Arm : 2,900 mm Without bucket Counterweight : 11,100 kg

Unit : 1,000kg

A(m) / B(m)	3		4.5		6		7.5		Max. Reach		
											A(m)
7.5									12.71 *	12.71 *	7.34
6							13.05 *	13.05 *	12.53 *	11.73	8.19
4.5			20.79 *	20.79 *	16.17 *	16.17 *	13.87 *	13.24	12.84 *	10.47	8.70
3					18.28 *	17.91	14.90 *	12.84	13.06 *	9.88	8.93
1.5					19.84 *	17.25	15.74 *	12.48	13.25	9.76	8.89
0			27.58 *	26.46	20.38 *	16.88	16.01 *	12.25	13.66 *	10.14	8.60
-1.5	25.53 *	25.53 *	25.98 *	25.98 *	19.69 *	16.78	15.30 *	12.2	13.94 *	11.17	8.01
-3	29.63 *	29.63 *	22.69 *	22.69 *	17.37 *	16.96			13.99 *	13.49	7.05
-4.5			16.52 *	16.52 *					13.06 *	13.06 *	5.53

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 49,448 kg included in this mass Boom 6.3 m, Arm 2.9 m, 11,100 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree

DX520LCA-K [OPTION 1]

Boom : 6,300 mm Arm : 2,400 mm Without bucket Counterweight : 11,100 kg

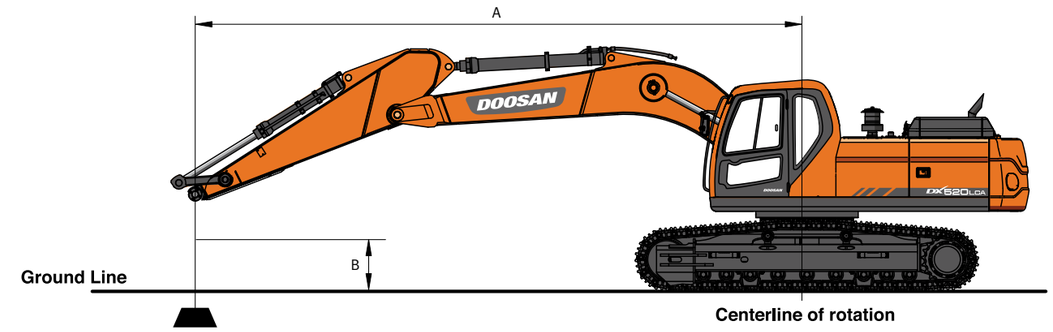
Unit : 1,000kg

A(m) / B(m)	3		4.5		6		7.5		Max. Reach		
											A(m)
7.5									14.14 *	14.14 *	6.82
6					15.27 *	15.27 *	13.90 *	13.44	13.82 *	12.78	7.73
4.5					17.05 *	17.05 *	14.52 *	13.15	13.80 *	11.29	8.27
3					18.96 *	17.72	15.39 *	12.77	13.94 *	10.6	8.51
1.5					20.21 *	17.14	16.02 *	12.46	14.17 *	10.49	8.47
0			27.05 *	26.46	20.36 *	16.86	15.99 *	12.29	14.41 *	10.96	8.16
-1.5			24.89 *	24.89 *	19.20 *	16.86	14.68 *	12.34	14.56 *	12.26	7.54
-3	25.88 *	25.88 *	20.96 *	20.96 *	16.07 *	16.07 *			14.27 *	14.27 *	6.51

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 49,350 kg included in this mass Boom 6.3 m, Arm 2.4 m, 11,100 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree



DX520LCA-K [OPTION 2]

Boom : 11,000 mm Arm : 8,000 mm Without bucket Counterweight : 11,100 kg

Unit : 1,000kg

A(m) / B(m)	1.5		3		4..5		6		7.5		9		10.5	
12														
10.5														
9														
7.5														
6														
4.5														
3					12.77 *	12.77 *	12.23 *	12.23 *	9.44 *	9.44 *	7.79 *	7.79 *	6.71 *	6.71 *
1.5					8.45 *	8.45 *	14.10 *	14.10 *	10.66 *	10.66 *	8.63 *	8.49	7.31 *	6.82
0			5.29 *	5.29 *	8.29 *	8.29 *	14.50 *	13.54	11.63 *	10.07	9.35 *	7.9	7.84 *	6.39
-1.5	6.19 *	6.19 *	6.85 *	6.85 *	9.19 *	9.19 *	13.93 *	12.88	12.30 *	9.51	9.89 *	7.46	8.27 *	6.05
-3	7.63 *	7.63 *	8.43 *	8.43 *	10.53 *	10.53 *	14.65 *	12.56	12.66 *	9.16	10.25 *	7.15	8.44	5.8
-4.5	9.12 *	9.12 *	10.07 *	10.07 *	12.16 *	12.16 *	16.07 *	12.46	12.76 *	8.99	10.29	6.98	8.27	5.64
-6	10.70 *	10.70 *	11.83 *	11.83 *	14.04 *	14.04 *	15.83 *	12.52	12.60 *	8.96	10.22	6.91	8.2	5.57
-7.5	12.39 *	12.39 *	13.76 *	13.76 *	16.21 *	16.21 *	15.13 *	12.7	12.17 *	9.04	10.07 *	6.94	8.22	5.59
-9	14.24 *	14.24 *	15.92 *	15.92 *	18.01 *	18.01 *	14.07 *	13	11.44 *	9.23	9.53 *	7.07	8.05 *	5.69
-10.5	16.31 *	16.31 *	18.41 *	18.41 *	15.83 *	15.83 *	12.56 *	12.56 *	10.32 *	9.53	8.62 *	7.31	7.25 *	5.89
-12			16.96 *	16.96 *	12.89 *	12.89 *	10.44 *	10.44 *	8.64 *	8.64 *	7.17 *	7.17 *	5.82 *	5.82 *
-13.5									5.99 *	5.99 *				

A(m) / B(m)	12		13.5		15		16.5		18		Max. Reach		
													A(m)
12					3.41 *	3.41 *					2.80 *	2.80 *	15.39
10.5					4.15 *	4.15 *					2.74 *	2.74 *	16.23
9					4.22 *	4.22 *	3.45 *	3.45 *			2.73 *	2.73 *	16.90
7.5					4.36 *	4.36 *	4.26 *	3.72			2.74 *	2.74 *	17.42
6			4.78 *	4.78 *	4.54 *	4.41	4.37 *	3.62			2.78 *	2.78 *	17.79
4.5	5.51 *	5.51 *	5.08 *	5.08 *	4.76 *	4.24	4.52 *	3.5	2.91 *	2.89	2.85 *	2.85 *	18.02
3	5.96 *	5.93	5.41 *	4.88	4.99 *	4.05	4.68 *	3.38	3.30 *	2.81	2.95 *	2.77	18.13
1.5	6.39 *	5.58	5.73 *	4.62	5.23 *	3.87	4.69	3.25	3.42 *	2.73	3.09 *	2.7	18.12
0	6.79 *	5.26	6.02 *	4.39	5.33	3.7	4.57	3.13			3.27 *	2.67	17.98
-1.5	7.12 *	5.01	6.07	4.2	5.18	3.56	4.47	3.04			3.51 *	2.69	17.70
-3	7	4.81	5.92	4.05	5.07	3.45	4.41	2.97			3.82 *	2.76	17.30
-4.5	6.86	4.68	5.82	3.96	5.01	3.39	4.38	2.95			4.23 *	2.89	16.74
-6	6.8	4.62	5.78	3.92	5	3.38					4.58	3.09	16.03
-7.5	6.82	4.64	5.81	3.95	5.06	3.44					5.01	3.41	15.13
-9	6.86 *	4.73	5.79 *	4.06							5.41 *	3.88	14.03
-10.5	6.03 *	4.94									5.50 *	4.64	12.64
-12											5.48 *	5.48 *	10.86
-13.5											5.11 *	5.11 *	8.46

1. Load point is the end of the arm.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75 % of minimun tipping loads or 87 % of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. The total mass of machine is 50,972 kg included in this mass Boom 11 m, Arm 8 m, 11,100 kg Coutnerweight, 2 kg Bucket, all operating fluids and a 75 kg operator.
7. Lift capacities are in compliance with iso 10567.

: Rating Over Front

: Rating Over Side or 360 Degree

STANDARD AND OPTIONAL EQUIPMENT

STANDARD EQUIPMENT

Engine

- DOOSAN DX12 Diesel engine combined with e-EPOS System, Direct injection, watercooled, Tier II compliant
- Auto-idle function

Hydraulic system

- Boom and arm flow regeneration
- Swing anti-rebound valves
- Spare ports (valve)
- One-touch power boost function
- Cylinder cushioning & contamination seals
- Control of auxiliary hydraulic flow from the display panel

Cab & Interior

- Sound-insulated and viscous support mounted cab
- Seat with adjustable headrest and armrest
- Roof window
- Air conditioning with climate control
- Pull-up type front window with sun roller blind and removable lower front window
- Sliding left front window
- Intermittent upper windshield wiper
- Automatic rear window defroster
- Adjustable wrist control levers for arm, boom, bucket and swing and auxiliary hydraulic buttons
- Travel pedals and hand levers
- 7“ (18 cm) LCD colour monitor panel
- Engine speed (RPM) control dial
- 3 Operating modes & 3 working modes
- Seat belt
- Ceiling light
- Cup holder
- Multiple storage compartments
- Tool storage area
- Hot and cool box
- Flat, spacious, easy-to-clean floor
- Master key
- Anti-theft protection
- Loudspeakers and connections for audio
- Remote radio audio control panel
- 12 V spare power socket
- AM/FM radio + MP3 (USB)

Safety

- Large handrails, steps and platform
- Punched metal anti-slip plates
- Hydraulic safety lock lever
- Safety glass
- Reinforced cast steel pivot points
- Lockable fuel cap and covers
- Battery cut-off switch
- Emergency engine stop and hydraulic pump control switches
- Engine overheat prevention system
- Plastic roof cover
- Light rearview mirror

Other

- Front - DX480LCA-K : 7.1 m HD Boom, 3.35m HD Arm
- Front - DX520LCA-K : 6.3 m HD Boom, 2.9m HD Arm
- Counterweight - DX480LCA-K : 8,500 kg, DX520LCA-K : 11,100 kg
- Tropical area preparation
- Well protected and optimised layout of hydraulic, electric & lubrication routing
- Double element air cleaner and pre-filtered Turbo dust separator
- Fuel filter and fuel pre-filter with water separator sensor
- Additional Water Separator
- Dust screen for radiator/oil cooler
- Self-diagnostic function
- Work lights (2 front frame, 2 front cab-mounted, 2 boom-mounted and 1 rear side)
- Electric horn
- Hydrostatic 2-speed travel system with automatic shift
- Remote greasing for swing bearing and workgroup pivot points
- EM bush

Undercarriage

- Variable undercarriage 3.34 m - 3.90 m (mechanically adjustable)
- Hydraulic adjuster for the track
- Greased and sealed track links
- 600 mm triple grouser shoe

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 DOOSAN dealer to know about the availability or to release the adaptation following the needs of the applications

Cab & Interior

- Air suspension seat
- Heated, adjustable air suspension seat with adjustable headrest and armrest
- Rain shield
- Joystick pattern change

Hydraulic system

- Breaker piping & Breaker Filter
- 1-2 Way piping
- Rotating piping
- Quick coupler piping
- Two pump hydraulic flow for special attachment

Safety

- FOGS cab - top and front cab guards (ISO 10262)
- ROPS cab
- Front window upper and lower guards
- Boom and arm cylinder safety valves
- Overload warning device
- Rotating beacon or telescopic rotating beacon
- Rear view camera
- Travel and swing alarm
- Additional mirror
- 2/6 Additioanl working lamp

Undercarriage

- 600 mm double grouser shoe & 750, 800 & 900 mm triple grouser shoe
- Full length track guard
- Fixed Type Track frame

Other

- Front - DX480LCA-K : 3.98m Arm, 2.9m Arm
- Front - DX520LCA-K : 11m Boom, 2.4m Arm, 8.0m Arm
- Electric Fuel Transfer Pump(ETP)
- Diesel Coolant Heater & 110/220V Plug Heater for cold starting
- Doosan Connect Telematic system
- Water Separator with Heater
- Hydraulic piping for crusher, quick coupler, clamshell, tilting and rotating buckets
- Floating boom function
- Wiper for lower front window
- Double pump flow
- Oil-washed air cleaner
- Toolkit and spare parts for first service
- Guards for work lights (boom)
- Fuel filling pump
- HD under cover
- Auto optimized power control for high altitude

*Above option list could be changed without notice

Doosan is

Since 1896, Doosan, the oldest company in Korea, has evolved with its people. The company grew up rapidly for last 10 years with reputation. For human-oriented vision, Doosan has been building constructions, energy, machines, infra structures globally. As a global leader of infra structure, Doosan continues its vision to make human-oriented future.

First in Korea, Doosan self-developed excavators in 1985 and continued building versatile construction machines including excavators, wheel loaders, articulated dump trucks to execute its human-oriented philosophy. Doosan became a global leader of heavy construction machine industry by achieving global sales line, producing line, and distribution line. Along with large production bases in Korea, China, USA, Czech, Brazil, Doosan has 1400 dealer networks and Doosan is providing reliable products and trusted solutions for your stable business at no risk.

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