DOOSAN

Construction Equipment

Amphibious Excavator

DX225 AM

Engine Power	172 HP @ 2,000 rpm
Operational Weight	25,200 kg

DOOSAN DX225AM HYDRAULIC EXCAVATOR :

A NEW MODEL WITH NOVEL FEATURES

THE NEW DX225AM HYDRAULIC EXCAVATOR HAS ALL THE ADVANTAGES

The new DX225AM hydraulic excavator has all the advantages of the previous model, and now offers additional added value to the operator. The key phrase used during the d evelopment of the DX225AM was “giving optimum value to the end user.

1. HEAVY-DUTY SPECIFICATION TO GUARANTEE MACHINE UPTIME

- Heavy duty boom & arm
- 3 stages fuel filtering system with larger capacity water-separator.
- Dry type pre air cleaner added to Air filtering system has made engine more adaptable to dusty area.

2. ENHANCE EASY ACCESS TO ALL COMPARTMENT

- In-house built engine is easy to fix due to simple structure
- Filter locations are easily accessible at ground level

3. BEST WORK EFFICIENCY

- Provide 3 working mode
- Operator can select proper working mode for best productivity

NEWLY ADDED FEATURE

7 INCH MONITOR

- New, user-friendly LCD color monitor with full access to machine settings and maintenance data.
- Rear camera(optional) and large side mirrors enhance operator's visibility.

TROPICAL HYDRAULIC OIL (ISO VG 68)

- Maintain best performance by keeping optimum viscosity in tropical region.

ADVANCED FRONT BUSH

- 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
- 30% longer life time than steel bush

ADVANCED H-CLASS BUCKET

- Doosan new H-class bucket designed for higher productivity.
- Newly designed side cutter and abrasion resistant steel increase bucket solidity.

LINE PIPING FOR BREAKER

best performance of your machine

HEAVY-DUTY FRONT

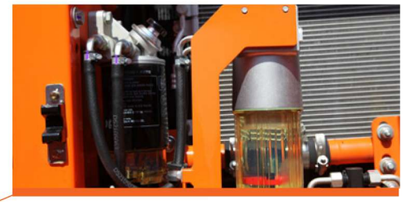
- Reinforced castings and forged steel pivot points and reinforced heavy-duty arm and boom to withstand high-impact materials.
- To better protect the base of the arm, reinforced bars have been added and the arm center and end boss have been strengthened.

ROPS CERTIFIED CABIN (OPTIONAL)

- One of the most spacious cabs in the market, with low noise & vibration levels and excellent all-round visibility.
- Fully adjustable suspension seat, air conditioning with climate control as standard.

PRE CLEANER

- Rotor type dry pre-cleaner an standard (Donaldson Top Spin 5")
- Separate more than 99% of particles of 20 micron and above particles.



WATER SEPARATOR

- Large capacity of additional fuel water separator filters water in fuel and enhance engine's durability.

ADVANCED UNDERCARRIAGE

Strengthen Sprocket structure and tooth
- Structure to minimize incoming debris

* Option spec info is included to the images contained in this material and may not be the same with the actual specs.

PERFORMANCE & PRODUCTIVITY

Performance is what it's all about; Doosan delivers what you need and then some.
For decades, Doosan machines have proven themselves on thousands of jobsites around the world. Our long carriage (LC) design provides superior stability and optimizes working width for superior performance in heavy digging and lifting operations. Powerful hydraulic, arm and bucket forces – with horsepower to spare – help you get the job done quickly and efficiently.

DOOSAN ENGINE (DL06)

At the heart of the hydraulic excavator is the new "Common Rail" DOOSAN DL06 engine.

It is combined with the new e-EPOS electronic control system, for optimum power and fuel saving.

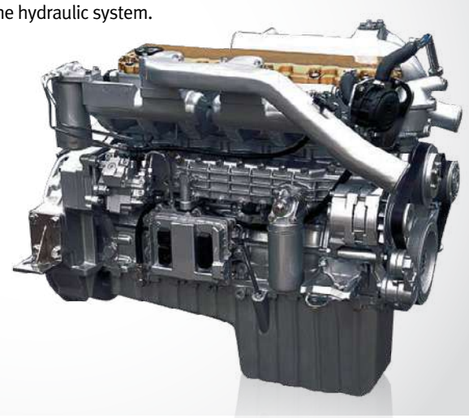
The new engine produces 172 hp at only 2,000 rpm, and more torque, due to its careful design combined with the ues of common rail injection and 4 valves per cylinder. These features help optimize combustion and minimize pollution through reduced Nox & particulate emissions.

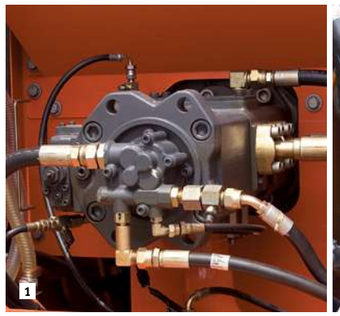
Increased torque allows efficient use of the power of the hydraulic system.

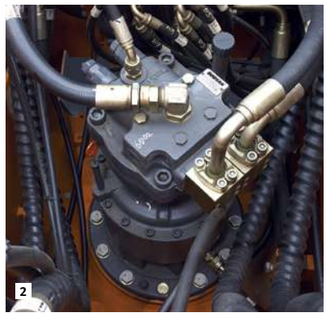
Faster working cycles increase productivity.
Increased torque means the excavator is able to move more easily.

Energy efficiency reduces fuel consumption

- 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 2x206.5l/min reducing cycle time while a high capacity gear pump improves pilot line efficiency.

2 SWING DRIVE

Shocks during rotation are minimized, while increased torque is available to ensure faster working cycles.

3 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.

EXCAVATOR CONTROL

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

DURABILITY & RELIABILITY

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

Note: The photos in this brochure show excavators with optional equipment, it may differ according to regional area.

HEAVY DUTY BOOM & ARM BOOM AS STANDARD

Center Boss Plate
- Size increased 40%

Boom End Bracket
- Single piece of casting type

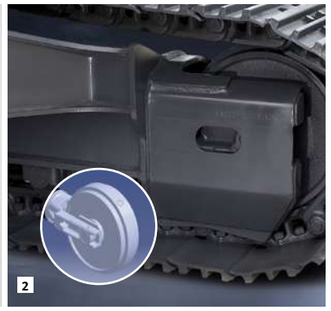
Arm Bottom Plate
- Increase plate thickness 20%

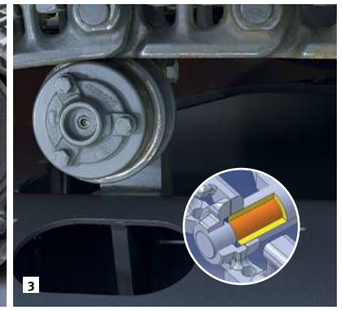
Arm Side Plate
- Increase plate thickness 15%

Arm Back Plate
- Equipped add. Reinforced bar

Heavy Duty Bucket
- Enhanced design new bucket

Boom Plate
- Increase boom foot height and decrease width
- Increase plate thickness 15%





1 ADVANCED PIN-BUSH AND DISK / SHIM TECHNOLOGY

Pocket & Dimple surface pattern : Optimized greasing & Trap foreign object
- Wear resistant solid lubricant coating :
  Noise free & enhanced anti-seizureproperty.
- Ultra-hard wear-resistant disc :
  Increase the wear resistance and the service intervals.

2 INTEGRATED TRACK SPRING AND IDLER

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

3 TRACKS

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

HEAVY DUTY & FIXED TRACK (OPTIONAL)

1. Idler Bracket
   - Thick & Wide strip to avoid bracket bending
2. Track Under Cover Plate
   - Reinforced track under cover (3.2T → 4.5T)
   - Reinforced mounting
3. Track Motor Cover
   - (Out) Add bolt head guard
   - (In) Reinforced motor cover mounting bolt using steel rib

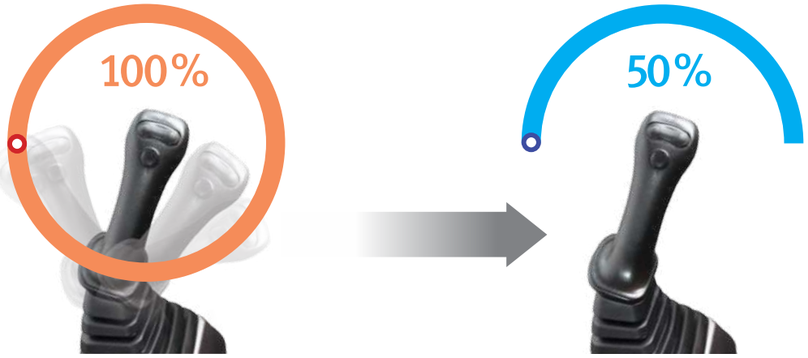
FUEL EFFICIENCY

RELIEF CUTOFF

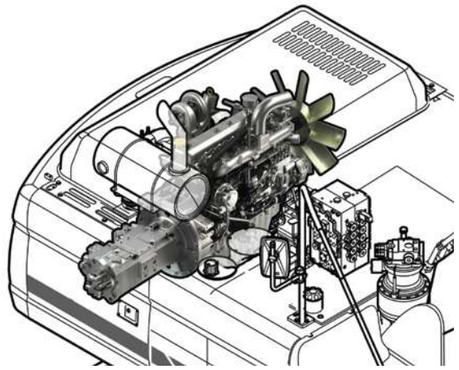
The pump continues to supply flow even when the maximum pressure on the system is reached due to severe working environments and large workloads. Relief cutoff technology of DX225LC prevents transfer of unnecessary flow to maintain powerful working level at the maximum value while reducing consumption of fuel.

OPTIMIZED LEVER CONTROL & AUTO IDLE

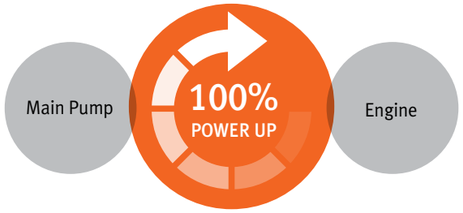
When operator takes a break and leaves the control joystick fixed, both of the engine and the pump are kept in standby mode and prevents unnecessary fuel consumption.



PUMP MATCHING TECHNOLOGY



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



OPERATOR COMFORT

The DX225LC is designed to provide you with the best possible working conditions. The pressurised cab and its spacious interior offer a fully adjustable, suspension seat. Comfortably seated, you have easy access to several storage compartments and a clear all-round view of the worksite. Noise and vibration levels have been reduced, while air conditioning and automatic climate control allow you to keep working for hours on end without feeling tired.

MONITOR

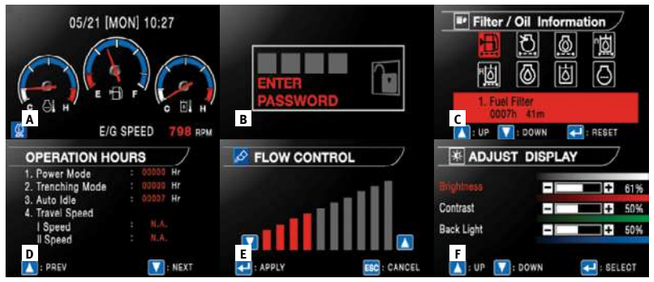
3 power modes for maximum efficiency
- Power mode
- Standand mode
- Economy mode

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

1 Control panel

2 Navigation modes
- Rearview camera, Display selector

3 Working modes
- Auto-idle & Flow rate control



CONTROL PANEL

A Standard screen

B Anti-theft protection

C Filter/oil information

D Operation history

E Flow rate control

F Contrast control

1 CONTROL LEVER

Very precise control of the equipment increases versatility, safety and facilitates tricky operations requiring great precision. Levelling operations and the movement of lifted loads in particular are made easier and safer. DOOSAN designed the DX225LC by putting the operator at the center of the development goals. The result is significant ergonomic value that improves the efficiency and safety of the operator. More space, better visibility, air conditioning, a very comfortable seat. These are all elements that ensure that the operator can work for hours and hours in excellent conditions.

2 AIR SUSPENSION SEAT (OPTIONAL)

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.

EASY MAINTENANCE

Short maintenance operations at long intervals increase the availability of the equipment on site. DOOSAN has developed the DX225LC 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 fuel filtration is attained by the use of multiple filters, including a fuel pre-filter fitted with a water separator that removes 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.

7 PRE CLEANER

Top-spin pre-cleaner separates 99% of 20 micron and above particles.

8 CENTRALIZED GREASE INLETS FOR EASY MAINTENANCE

The boom & arm grease inlets are grouped for easy access.

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TELEMATICS SERVICE (OPTIONAL)

TELECOMMUNICATIONS

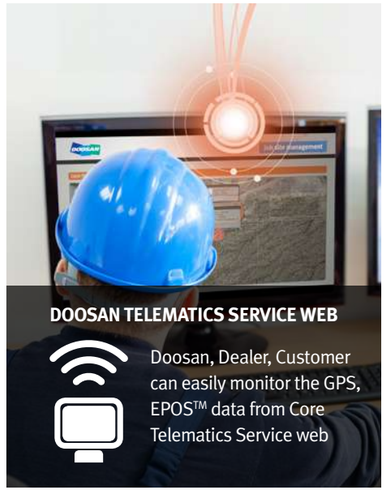
Data flow from machine to web

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

FUNCTIONS

Doosan Telematics Service provides various functions to support your great performance

TELEMATICS SERVICE BENEFITS

Doosan 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

Doosan

Responsive to customer's voice

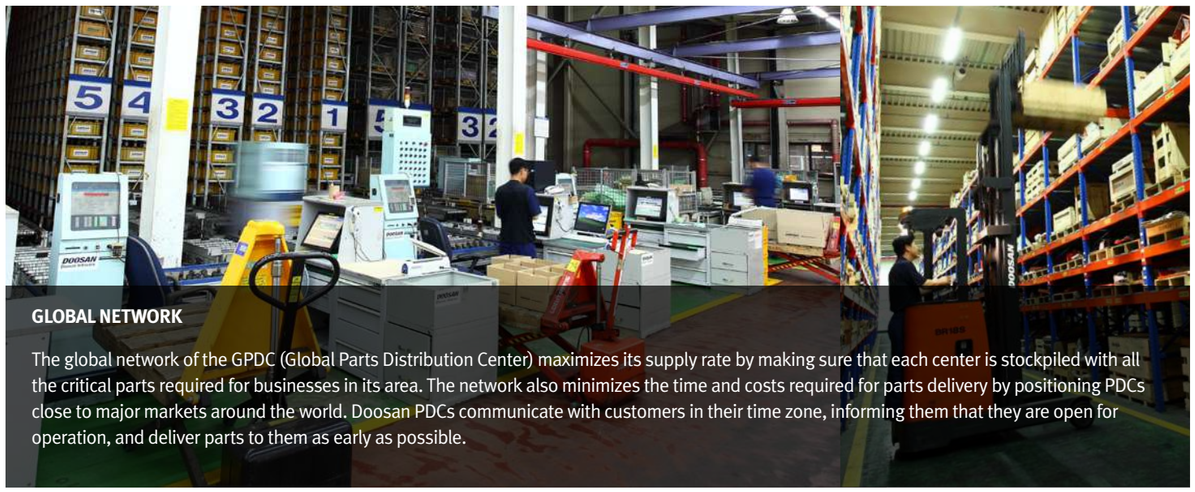
- Utilize quality-related field data
- Apply customer's usage profile to deveping new machine

	FUNCTION	EXCAVATOR	WHEEL LOADER	ADT
GPS	· Location · Geo-fence	All models	All models	All models
E-mail reports	· Daily, Weekly, Monthly report	All models	All models	All models
Operation hours	· Total operation hours · Operation hours by mode	All models Tier 4 only	All models Tier 4 only	All models
Maintenance parts	· Preventive maintenance by item replacement cycle	All models	Tier 4 only	All models
Fault code/ Warning	· Fault code · Machine Warnings on Gauge Panel	All models	Tier 4 only	All models
Fuel information	· Fuel level · Fuel consumption	All models Tier 4 only	Tier 4 only	All models
Dump capacity	· Dump tonnage · Count of Work Cycle	N/A	N/A	All models

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 seven other PDCs include one in China (Yantai), one in the USA (Chicago), one in Brazil (Campinas), two in Europe (Germany and the UK), one in the Middle East (Dubai), and one in Asia (Singapore).

PDC BENEFIT

- **Distribution Cost Reduction**
- **Maximum Parts supply rate**
- **Shortest distance/time parts delivery**
- **Real-time service support**
- **Minimum downtime**

ATTACHMENTS

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 Bucket

Heavy Duty Bucket

Severe Duty Bucket

	Capacity (SAE/PCSA)
GENERAL PURPOSE BUCKET	0.39 / 0.51 / 0.81 / 0.92 / 1.05 / 1.17 / 1.28 m^3
HEAVY DUTY BUCKET	0.60 / 0.76 / 0.92 / 1.08 / 1.24 / 1.35 / 1.40 / 1.51 m^3
SEVERE DUTY BUCKET	0.91 / 1.07 / 1.23 m^3

DEMOLITION

Hydraulic Breaker

Fixed Pulverizer

Rotating Crusher

Multi-Processor

		Model	Weight	Tool diameter	Frequency
HYDRAULIC BREAKER		DXB180H	1,720 kg	140 mm	320~580 BPM
		Model	**Weight**	**Max. Jaw opening**	**Force at Tip**
FIXED PULVERIZER		FP22	1,375 kg	732 mm	54 t
ROTATING CRUSHER		RC22	1,780 kg	732 mm	56 t
MULTI-PROCESSOR	C / D / P / S	MP22	2,040 / 2,050 / 2,210 / 1,880 kg	903 / 797 / 893 / 503 mm	68 / 70 / 64 / 80 t

C : Crushing jaw
D : Demolition jaw
P : Pulverizing jaw
S : Shearing jaw

MATERIAL HANDLING

Multi-Grapple

Stone Grapple

Wood Grapple

Log Grapple

Orange Grapple

		Model	Weight	Max Jaw opening	Max. Closing Force	Capacity
MULTI-GRAPPLE		MG22	1,423 kg	2,044 mm	5.7 t	0.75 m^3
STONE GRAPPLE		SG22	1,235 kg	2,000 mm	-	0.45 m^2
WOOD GRAPPLE	L / P	WG22	1,132 / 1,010 kg	2,000 mm	-	0.62 m^2
LOG GRAPPLE	L / P	LG22	1,280 / 1,250 kg	2,000 mm	-	0.67 m^2
ORANGE GRAPPLE		OG22	1,300 kg	2,150 mm	-	0.50 m^3

L : Link type
P : Pendulum type

EARTH MOVING

Clamshell Bucket

Plate Compactor

Ripper

	Model	Weight	Max. Jaw opening	Capacity
CLAMSHELL BUCKET	CB22	1,440 kg	1,725 mm	0.80 m^3
	Model	**Weight**	**Base plate (WxL)**	**Impulse force**
PLATE COMPACTOR	PC22	1,325 kg	860 x 1,200 mm	11.2 t
	Model	**Weight**	**Length**	
RIPPER	RP22	450 kg	1,278 mm	

CONNECTING

Quick Coupler

	Model	Weight	Bucket Pin dia.	Working rage (Pin to Pin)
QUICK COUPLER	QC22	319 kg	80 mm	445 ~ 514 mm

TECHNICAL SPECIFICATIONS

ENGINE

Model

Doosan DL06
4 valves per cylinder, water cooled, 4-Cycle Common Rail
Emission level TIER-III

Number of cylinders

6

Nominal flywheel power

172 HP @ 2,000 rpm

Max torque

68 kgf.m @ 1400 rpm

Piston displacement

5,890 cc (359 cu.in)

Bore & stroke

∅ 100 x 125 mm (3.9" x 4.9")

Starter

24 V / 4.5 kW

Batteries

2 x 12 V / 100 Ah

Air cleaner

Double element with auto dust evacuation.

HYDRAULIC SYSTEM

The heart of the system is the EPOS™ (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

- 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
Max flow: 2 x 206.5 l/min (2 x 55 US gpm, 2 x 45 Imp gpm)

Pilot pump

Gear pump - max flow: 28.5 l/min (7.5 US gpm, 6.3 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 : 270 kgf/cm² (264 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	125 x 85 x 1,260 mm (4.9" x 3.3" x 4'2")
Arm	1	140 x 100 x 1,450 mm (5.5" x 3.9" x 4'9")
Bucket	1	120 x 80 x 1,060 mm (4.7" x 3.1" x 5'4")

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 released hydraulically.

Swing speed : 0 to 11.0 rpm

WEIGHT

Boom 5,700 mm (18'8") Arm 2,900 mm (9'6") Bucket SAE/PCSA 0.92 m³ (1.20 yd³)

	Shoe width	Operating weight	Ground pressure (kgf/cm²)
Triple Grouser	(Std) 600 mm (2')	21,500 kg (47,399 lb)	0.45 kgf/cm² (44 kpa, 6.40 psi)
	700 mm (2' 4")	21,800 kg (48,060 lb)	0.40 kgf/cm² (39 kpa, 5.69 psi)
	800 mm (2' 8")	22,100 kg (48,721 lb)	0.35 kgf/cm² (34 kpa, 4.78 psi)
	900 mm (2' 11")	22,400 kg (49,383 lb)	0.31 kgf/cm² (30 kpa, 4.41 psi)

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 double grouser.
Heat-treated connecting pins.
Hydraulic track adjuster with shock-absorbing tension mechanism.

Number of rollers and track shoes per side

Upper rollers : 2 (standard shoes)
Lower rollers: 8
Shoes : 49
Total length of track : 4,445 mm (14' 7")

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)

5.5 / 3.0 km/h (3.4 / 1.9 mph)

Maximum traction force

11,500 / 21,800 kgf (25,353 / 48,061 lbf)

Maximum grade

35° (70%)

ENVIRONMENT

Noise levels comply with environmental regulations (dynamic values).

Sound level guarantee

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

Cab sound level

73 dB (A) (ISO 6396)

REFILL CAPACITIES

Fuel tank

400 l (105.7 US gal)

Cooling system (Radiator capacity)

24 l (6.3 US gal)

Engine oil

28 l (7.4 US gal)

Swing drive

5 l (1.32 US gal)

Final drive
(each =Travel Device = travel motor + travel reduction gear)

2 x 3.3 l (0.87 US gal)

Hydraulic tank

195 l (51.5 US gal)

BUCKET

					TRACK	STD Track					
					C/W (ton)	4.1					5.3
					SHOE (mm)	600					
Bucket Type	Capacity (m³)		Width (mm)		Width (kg)	5.7m Boom			5.2m Boom	5.7m Boom HD	SLR (8.5m)
	SAE/ PCSA	CECE	W/O Cutter	With Cutter		2.4m Arm	2.9m Arm	3.5m Arm	2.0m Arm	2.9m HD	SLR (6.2m)
G-Class	0.39	0.35	736	820	330	X	X	X	X	X	A
	0.51	0.47	722	772	529	A	A	A	A	A	X
	0.81	0.72	1,064	1,126	654	A	A	A	A	A	X
	0.92	0.81	1,172	1,236	697	A	A	A	A	A	X
	1.05	0.92	1,308	1,370	751	A	A	B	A	B	X
	1.17	1.0	1,428	1,491	809	A	B	C	A	C	X
	1.28	1.10	1,542	1,605	848	B	C	D	A	C	X
Heavy Duty Bucket	0.60	0.56	750	769	651	A	A	A	A	A	X
	0.76	0.69	900	946	722	A	A	A	A	A	X
	0.92	0.83	1,050	1,096	813	A	A	B	A	A	X
	1.08	0.97	1,200	1,246	884	A	B	C	A	B	X
	1.24	1.11	1,350	1,396	955	B	C	D	A	C	X
	1.35	1.20	1,450	1,796	1,023	C	D	D	A	D	X
	1.40	1.24	1,500	1,546	1,046	C	D	X	B	D	X
	1.51	1.34	1,600	1,646	1,114	C	D	X	B	X	X
Severe Duty Bucket	0.91	0.82	1,050	N/A	1,009	A	A	B	A	B	X
	1.07	0.96	1,200	N/A	1,113	A	C	D	A	C	X
	1.23	1.10	1,350	N/A	1,193	C	D	D	A	D	X
					Maximum load pin-on(payload+bucket)	3,391	2,997	2,687	3,915	2,878	1,272

Based on ISO 10567 and SAE J296, arm length without quick change clamp
A : Suitable for materials with density of 2,100 kg/m³ (3,500lb/yd³) or less
B : Suitable for materials with density of 1,800 kg/m³ (3,000lb/yd³) or less
C : Suitable for materials with density of 1,500 kg/m³ (2,500lb/yd³) or less
D : Suitable for materials with density of 1,200 kg/m³ (2,000lb/yd³) or less
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.

STANDARD & OPTION

STANDARD EQUIPMENT

Boom & Arm

- 5.7m Boom (Heavy duty)
- 2.9m Arm (Heavy duty)

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
- Pull-up type front window and removable lower front window
- Room light
- Intermittent windshield wiper
- Cigarette lighter and ashtray
- Cup holder
- Hot & Cool box
- 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
- Battery protector cover

Others

- Double element air cleaner
- Additional water separator
- Dry type pre cleaner
- Fuel filter
- Dust screen for radiator/oil cooler
- Engine overheat prevention system
- Engine restart prevention system
- Self-diagnostic system
- Alternator (24V, 60A)
- Electric horn
- Halogen working lights (frame mounted 1, boom mounted 2)
- Hydraulic track adjuster
- Track guards
- Greased and sealed track link
- 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 DOOSAN dealer to know about the availability or to release the adaptation following the needs of the applications

Boom & Arm

- 5.2m Boom
- 5.7m Boom
- 8.5m Boom
- 2.0m Arm
- 2.4m Arm
- 2.4m Arm (Heavy duty)
- 2.9m Arm
- 2.9m Arm (Forestry)
- 3.5m Arm
- 6.2m Arm

Safety

- Boom and arm hose rupture protection valve
- Overload warning device
- Cabin Top/Front guard (ISO 10262, FOGS standard)
- Travel & swing alarm
- Rotating / Telescopic beacon
- Lock valve
- Rear lamp for number plate
- Emergency stop engine switch

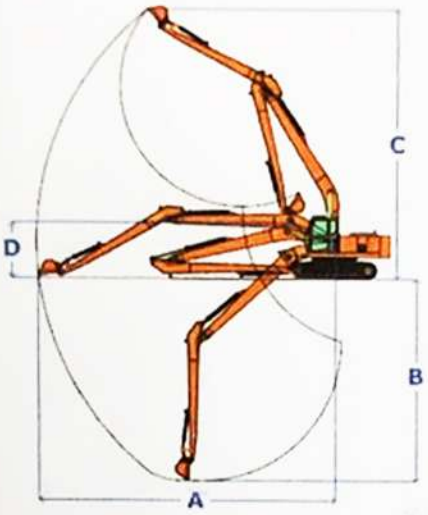
Cabin & Interior

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

Others

- Piping for crusher ,Two way
- Piping for quick clamp
- Piping option
  - Breaker with flow control valve - Crusher
  - Crusher with tilting - Rotating
  - Clamshell - Quick Clamp
- 700mm / 800mm / 900mm shoe
- Lower wiper
- 80A alternator
- Fuel filler pump
- Working Lights
  - 4-front / 2-rear on cabin
  - 2-front on cabin
  - 1 on counterweight
- Counterweight (3.8 Ton / 5.3 Ton)
- Noise Kit
- Hydraulic Oil
  - Cold weather (VG32)
  - Normal (VG46)
  - Tropical weather (VG68)
- Breaker filter
- Water separator with heater
- Oil washed pre cleaner
- Heavy duty under cover
- Short & Fixed track
- Forestry & Fixed track
- Heavy duty & Fixed track

Long Reach/High Reach Front



Each long reach package come standard with the following items:

- 1x boom with full set of hydraulic lines
- 1x stick/dipper arm with full set of hydraulic lines
- 1x bucket
- 1x bucket cylinder/ram
- 1x boom yoke pin
- 1 set of Hydraulic pressure hose
- 1 set of linkage
- 2x bucket pins
- 2x bucket link pins

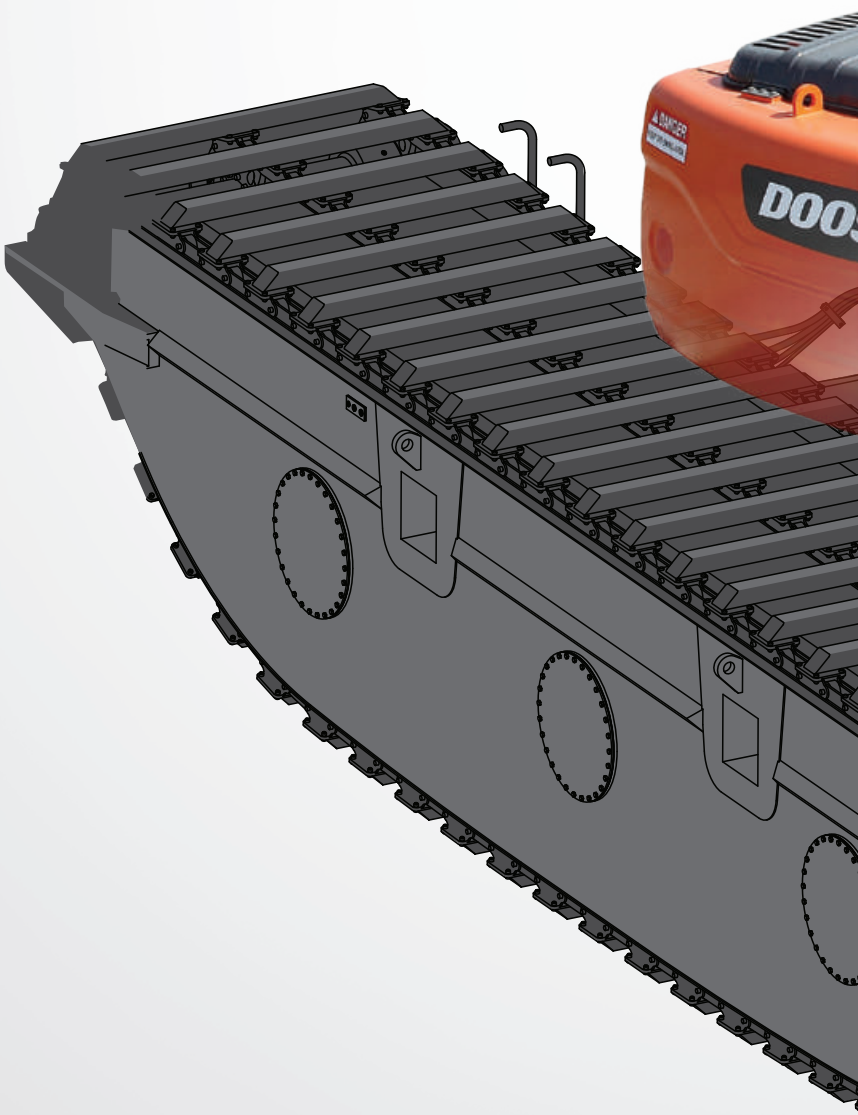
Excavator Operating Weight	Length		A Max. Reach		B Max. Depth		C Max. Height		D Boom Height		Approximate Bucket Capacity	
	m	ft	m	ft	m	ft	m	ft	m	ft	m^3	$Yard^3$
12 – 14 ton (26,400 – 30,8000 lb)	12.0 13.0	39' 43'	12.00 13.00	39' 4" 42' 8"	8.30 9.00	27' 2" 29' 6"	10.50 10.90	34' 5" 35' 9"	2.10 2.10	6' 11" 6' 11"	0.4 0.3	0.52 0.39
15 – 16 ton (33,000 – 35,200 lb)	14.0	46"	14.00	45' 11"	10.70	35' 0"	11.80	38' 8"	2.30	7' 6"	0.4	0.52
20 -2 2 ton (44,000 - 48,400 lb)	15.5 16.5	50' 54'	15.50 16.50	50' 10" 54' 2"	11.46 12.16	37' 7" 39' 11"	13.78 14.40	45' 3" 47' 3"	2.50 2.50	8' 3" 8' 3"	0.50 0.40	0.65 0.52
23 - 27 ton (50,600 - 55,000 lb)	17.0 18.0	56' 59'	17.00 18.00	55' 9" 59' 0"	12.01 12.85	39' 5" 42' 2"	14.70 15.60	48' 3" 51' 2"	2.70 2.70	8' 11" 8' 11"	0.50 0.40	0.65 0.52
28 - 30 ton (61,600 - 66,000 lb)	18.0 19.0	59' 62'	18.00 19.00	59' 0" 62' 3"	13.80 14.00	45' 1" 45' 11"	15.20 15.50	49' 10" 50' 10"	3.10 3.10	10' 2" 10' 2"	0.60 0.50	0.78 0.65
33 - 35 ton (72,600 - 77,000 lb)	18.5 20.0	60' 65'	18.50 20.00	60' 5" 65' 6"	14.50 16.00	47' 6" 52' 6"	15.10 15.60	49' 6" 51' 3"	3.40 3.40	11'0" 11'0"	0.70 0.60	0.91 0.78
40 - 45 ton (88,000 - 99,000 lb)	21.0 22.0	68' 72'	21.00 22.00	68' 10" 72' 2"	15.30 16.25	50' 2" 53' 4"	15.58 15.92	49' 3" 52' 3"	3.70 3.70	12' 2" 12' 2"	0.80 0.70	1.04 0.91
46 - 55 ton (110,000 - 121,000 lb)	21.0 22.0	68' 72'	21.00 22.00	68' 10" 72' 2"	15.00 15.80	49' 3" 51' 10"	15.95 16.05	52' 4" 52' 8"	3.95 3.95	12' 11" 12' 11"	1.00 0.90	1.30 1.17
60 - 65 ton (132,000 - 143,000 lb)	23.0	75'	23.00	75' 5"	17.50	57' 4"	17.50	57' 5"	4.10	13' 6"	1.20	1.56
70 - 75 ton (154,000 - 165,000 lb)	24.0	79'	24.00	78' 8"	18.10	59' 3"	19.00	62' 4"	4.60	15' 1"	1.30	1.69
80 - 90 ton (187,000 - 198,000 lb)	25.0	82'	25.00	82' 0"	18.60	61' 0"	19.20	62' 11"	4.70	15' 5"	1.40	1.82
100 - 110 ton (220,000 - 242,000 lb)	27.0 28.0	88' 92'	27.00 28.00	88' 7" 91' 9"	20.00 21.00	65' 7" 68' 10"	19.00 20.00	62' 4" 65' 7"	5.00 5.00	16' 5" 16' 5"	1.60 1.40	2.08 1.82
120 - 130 ton (264,000 - 286,000 lb)	28.0 29.0	92' 95'	28.00 29.00	91' 9" 95' 1"	21.00 22.00	68' 10" 72' 2"	20.00 20.50	65' 7" 67' 3"	5.50 5.50	18' 1" 18' 1"	1.60 1.40	2.08 1.82

* The above specifications are for reference only, actual working range may vary from machine models.
** For the benefit of continuous product improvement, specifications are subjected to change without prior notice.

DOOSAN AMPHIBIOUS

Doosan Amphibious is designed to enhance mobility in marshes, swampy area and soft terrain with floating pontoons. Doosan also offer Super Long Reach front kit for more deep and far digging. Using AU kit and SLR kit together, it maximizes versatility of Doosan excavator.

DX225 AM



DOOSAN AMPHIBIOUS USING THE 6 KINDS OF GOOD REASONS

ONE-STOP SHOP
One place for complete solutions :
(carrier + application + parts + service)

ENGINEERING APPROVED
Optimized for Wheel loader equipment high efficiency and performance, resulting in lower running and maintenance cost.

SERVICE
Broad coverage via the Doosan service network, fully supported by Wheel loader product specialists.

QUALITY
Products manufactured to highest standards.

WARRANTY
Avoid compatibility issues and operating differences from using Non-approved application.

PLUG & PLAY READINESS
Easy to install and operate.

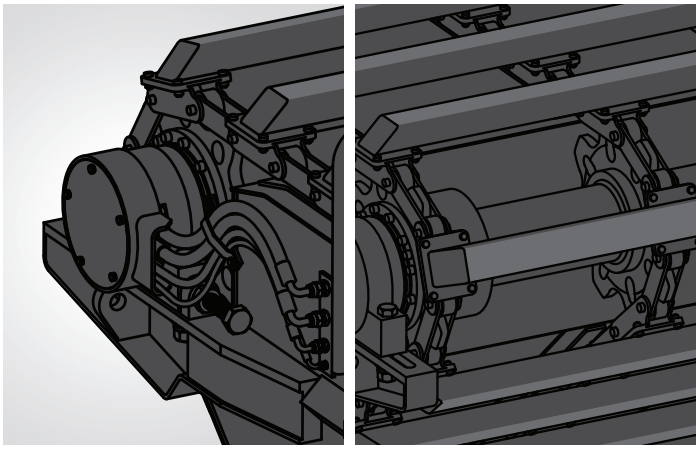
CUSTOMIZED FEATURES

Doosan Amphibious has proven itself and performed exceedingly well in the followings applications :

- **Dredging**
- **Landscaping**
- **Erosion control and prevention**
- **Deepening of canal and river deltas**
- **Maintenance and cleaning of rivers, lakes, shorelines, ponds**
- **Swamps and soft terrain construction.**

MULTI-SYNCHRONOUS DRIVE SYSTEM

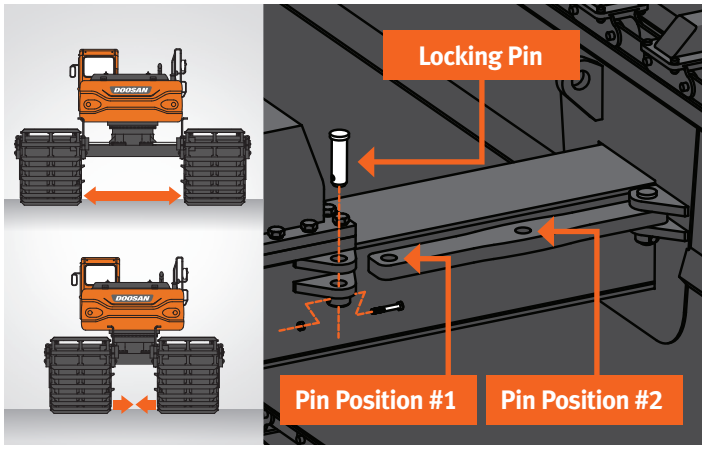
- Proprietary multi-synchronous drive motor design.
- Motors are mounted on front and rear of each pontoon.
- It offers superior tracking power as compared to a single motor design.
- A similar concept that is applied to a full time 4x4 gear system of a land vehicle



AMPHIBIOUS OPTION

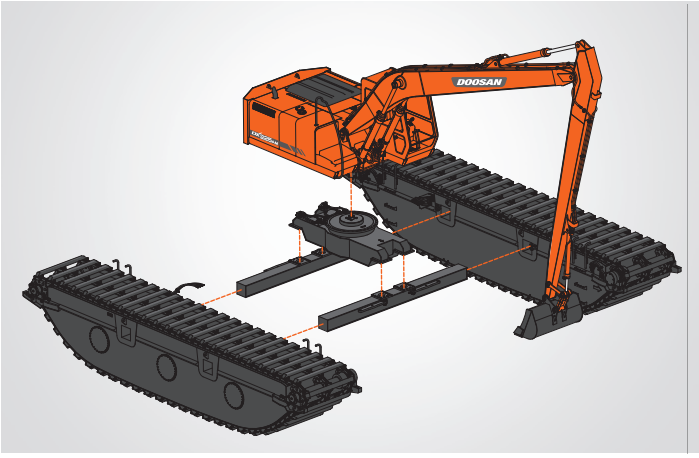
Non Hydraulic Extendable Amphibious (standard)

- For non hydraulic extendable design, there are 2 separate locking pin positions for each pontoon on the horizontal mounting beams.
- Users can choose their desired overall track width during the installation process.



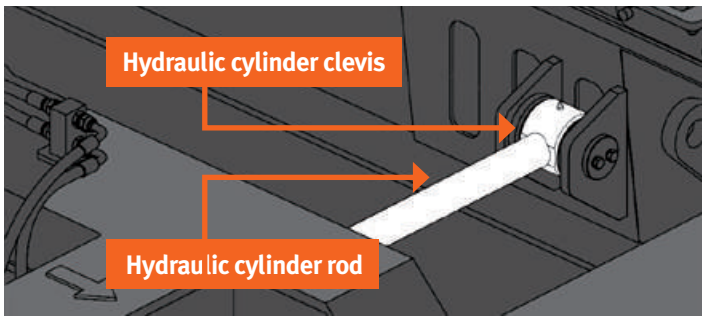
AMPHIBIOUS MODULAR DESIGN

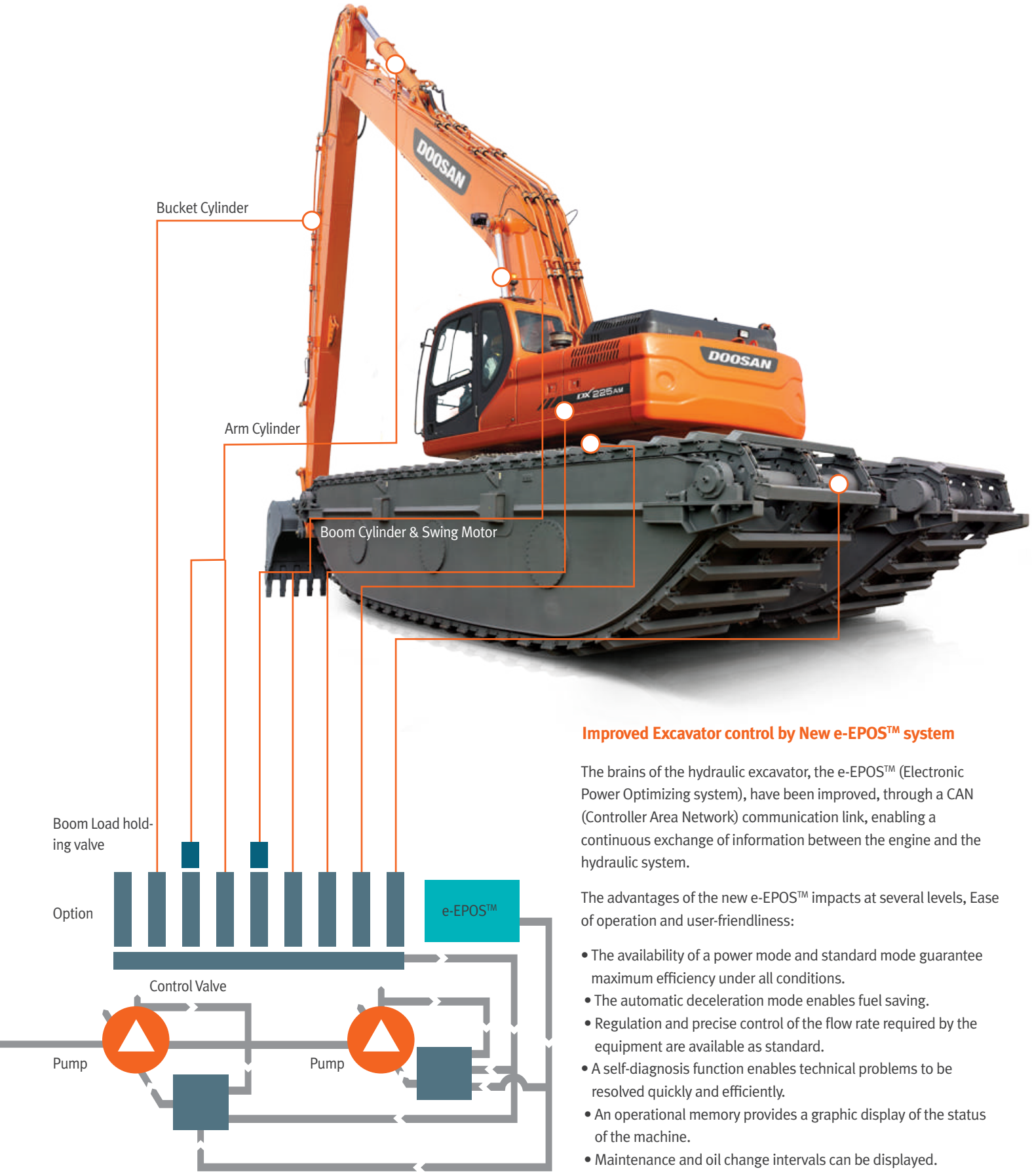
- Designed to be easily transported by low bed trailer.
- Amphibious modules and attachments are designed to be able to fit into 40ft container.
- Both the assembly and disassembly processes can be achieved in under 3 hours if equipped with proper tools and crane.
- No special tooling is required for the assembly and disassembly process.



Hydraulic Extendable Amphibious & Retractable Pontoons (Optional)

- Extension and retraction of pontoons “on the fly” (model dependent).
- When fully extended, it offers the extra stability needed when situation calls for Fully retracted provide the flexibility of narrow track width when needs arises.
- Designed for ease of land transportation of complete machine by trailer when pontoons are fully retracted.
- Higher ROI through long term saving of manpower, crane hiring and other logistical cost
- Hydraulic extendable pontoons is a standard feature for 8 ton and 14 ton class and below amphibious machine.
- Optional features for 20 ton class and above model.





Improved Excavator control by New e-EPOS™ system

The brains of the hydraulic excavator, the e-EPOS™ (Electronic Power Optimizing system), have been improved, through a CAN (Controller Area Network) communication link, enabling a continuous exchange of information between the engine and the hydraulic system.

The advantages of the new e-EPOS™ impacts at several levels, Ease of operation and user-friendliness:

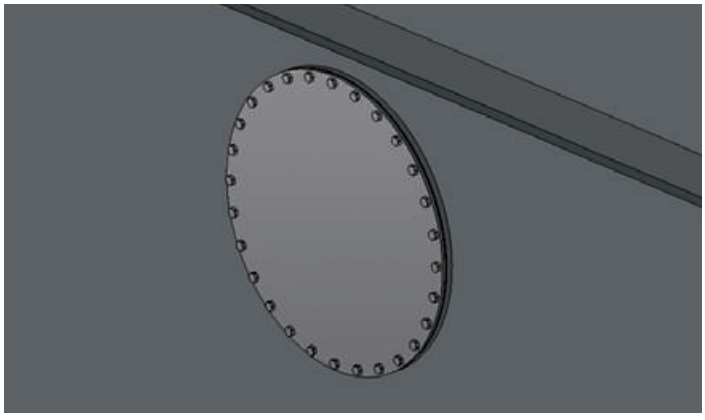
- The availability of a power mode and standard mode guarantee maximum efficiency under all conditions.
- The automatic deceleration mode enables fuel saving.
- Regulation and precise control of the flow rate required by the equipment are available as standard.
- A self-diagnosis function enables technical problems to be resolved quickly and efficiently.
- An operational memory provides a graphic display of the status of the machine.
- Maintenance and oil change intervals can be displayed.

❶ Track System

The track system (shoe, chain, roller, pin and bushing) is extremely controlled tight tolerance. The track shoe supported by multiple stands of track chains provided the advantage of uniform pulling force and superior weight distribution across each track shoe. The shape of shoe is optimized to generate the powerful thrust force under water and driving force on the ground also.

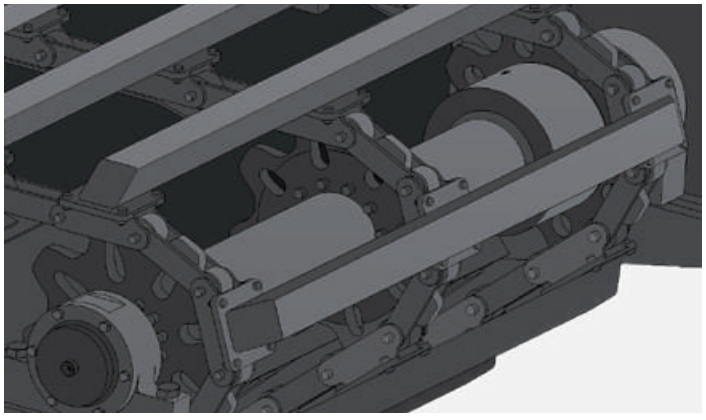
❷ Manhole

Regular inspection and maintenance is very easy because of manholes side pontoon. Manhole is designed most suitable position to check inside of pontoon and the size of manhole is big enough to come in and out for a operator.



❸ Axle drum and Sprocket

Non weld-on sprocket design which precisely machined and bolted onto axial ensures a perfect alignment of each sprocket across the axial, a critical criterion for the longevity of the track chain.



FUEL EFFICIENCY

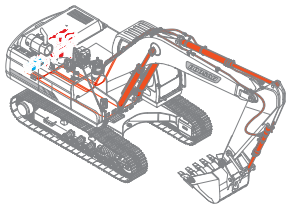
Control

RELIEF CUTOFF

to prevent transfer of unnecessary flow

1. Typically, the pump tends to supply flow even when the maximum pressure on the system is reached due to severe working environments and large workloads.

2. Relief cutoff technology of Doosan prevent transfer of unnecessary flow to keep powerful working level at the maximum value while reducing consumption of fuel.



Waiting

OPTIMIZED LEVER CONTROL

to prevent unnecessary fuel consumption

1. When operator takes break for rest with the joystick kept fixed, both of the engine and the pump are kept in standby mode with maximum rotation rate and hydraulic power. In such a case, unnecessary fuel consumption takes place.

Relief Cutoff

Relief cutoff technology saves 20~30% of fuel consumption in the heavy workload.

Optimized Lever Control

In auto idle, you can save 90% of fuel than in operation.

Fuel consumption in operation

Doosan

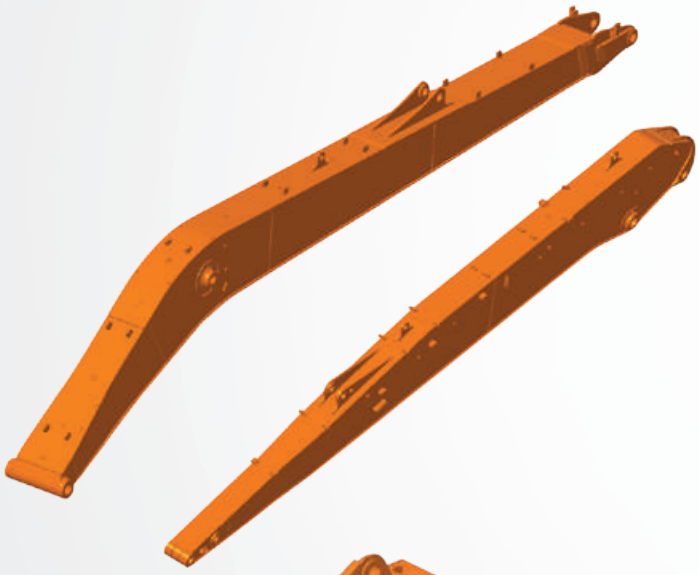
"NEW

RELIABILITY

DOOSAN uses computer-assisted design techniques, highly durable materials and structures then test these under extreme conditions.Durability of materials and longevity of structures are our first priorities.

Strengthened Boom

The Shape of the boom has been optimized by finite elements design, allowing the loads to be better distributed throughout the structure. This combined with increased material thickness means improved durability and reliability by limiting element fatigue.

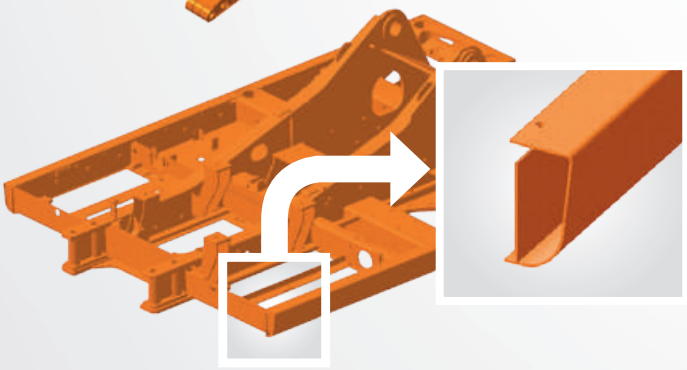


Arm Assembly

In the arm assembly greater strength has been gained by using cast elements and reinforcement around the bosses to give it an increased lifetime.

D-type Frame

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



Polymer shim

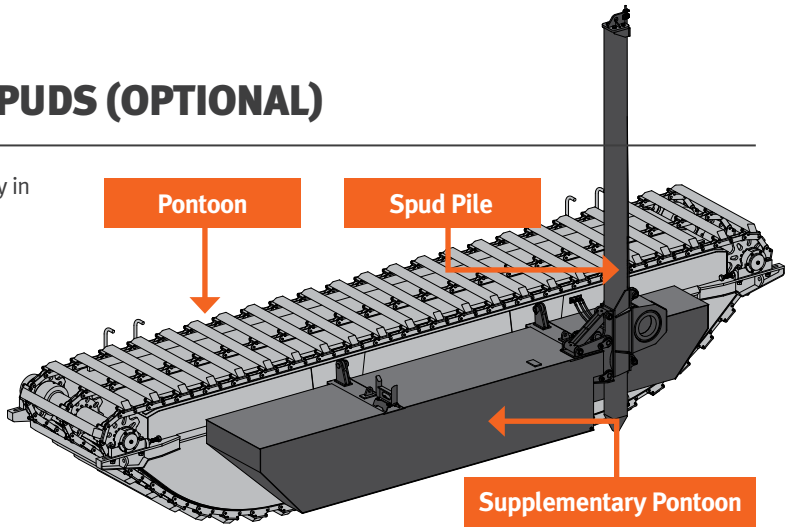
A polymer shim is added to the bucket pivot to maintain precise control over the equipment.

Dry type of pre cleaner

Pre cleaner filters out impurities again for keeping steady machine performance.

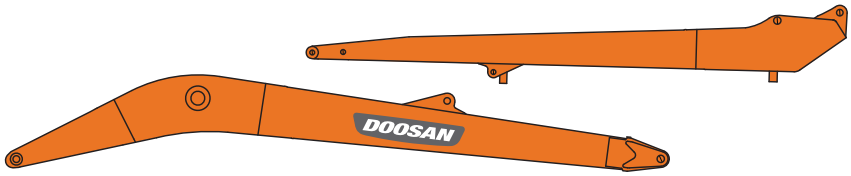
SUPPLEMENTARY PONTOONS AND SPUDS (OPTIONAL)

- Supplementary pontoons can be added on each side to boost stability in deeper water operation.
- Spud piles attach to supplementary pontoons help to overcome buoyancy effect, it offers added stability and enhanced operability.
- Pontoons are designed and built with provision for future addition of supplementary pontoon and spud system.
- Future proof in design.



SUPER LONG REACH KIT (OPTIONAL)

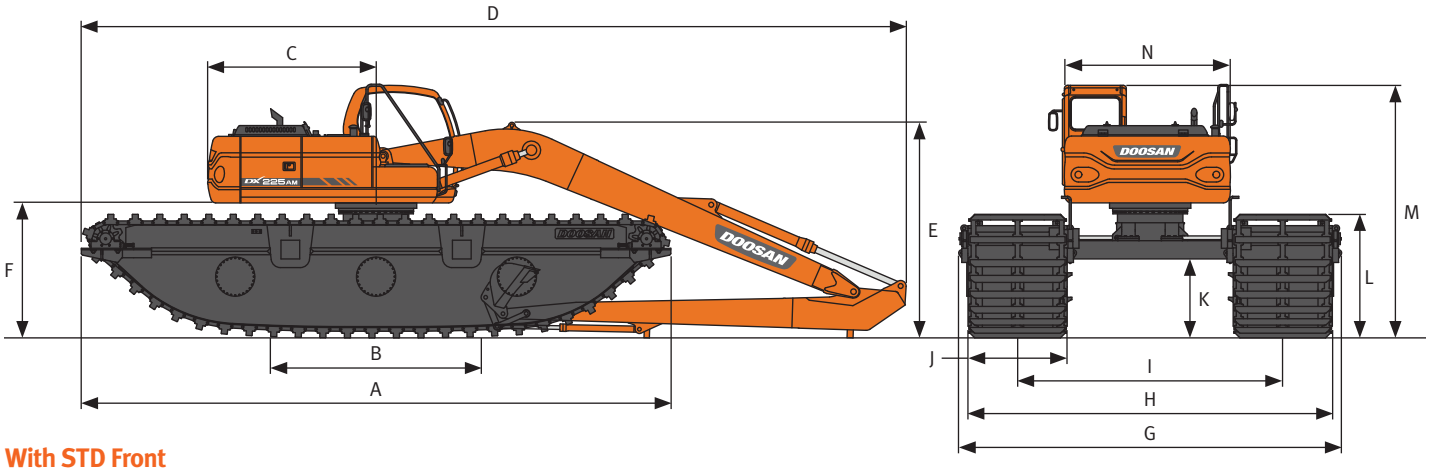
- Doosan SLR kit is designed for using in drainage canal construction and preservation and Light duty excavation at long distance
- Doosan offers SLR kit range from 8 tons machine to 34tons machine.



Description	Unit	Doosan Amphibious Model	
		DX140 AM	DX225 AM
Boom Length	mm	7,020	8,100
Arm Length	mm	5,100	5,800
Bucket Capacity	mm	0.4	0.5
Bucket Breakout Force (SAE)	kgf	8,255	10,469
Arm Digging Force (SAE)	kgf	3,274	5,074
Ground Pressure	kgf/cm²	0.144	0.161

* Please do not hesitate to contact “DOOSAN DEALER” for SLR Front option of DX80R AM, DX260 AM, DX300 AM and DX340 AM.

DIMENSIONS & WORKING RANGE



With STD Front

Dimensions	Description	Unit	Doosan Amphibious Models					
			DX80R AM	DX140 AM	DX225 AM	DX260 AM	DX300 AM	DX340 AM
A	Max. Track Length	mm	7,000	9,290	9,630	9,630	10,840	11,840
B	Track Length on Ground	mm	3,200	4,500	4,150	4,150	5,000	5,200
C	Rear Upper Structure Length	mm	1,300	2,200	2,750	2,995	3,200	3,500
D	Overall Length	mm	7,825	9,865	11,150	11,490	12,450	13,300
E	Height of Boom	mm	2,410	2,915	3,375	3,460	3,730	3,705
F	Counterweight Clearance	mm	1,635	1,835	2,170	2,200	2,240	2,275
G	Overall Width, min/max	mm	2,990 / 3,790	4,220 / 5,320	4,800 / 6,280	5,470 / 6,910	6,200 / 7,200	6,270 / 7,270
H	Undercarriage width, min/max	mm	2,990 / 3,790	3,950 / 5,050	4,470 / 5,950	5,170 / 6,610	5,910 / 6,910	5,970 / 6,970
I	Track Gauge, min/max	mm	1,860 / 2,660	2,500 / 3,600	2,850 / 4,330	3,250 / 4,690	3,990 / 4,990	4,020 / 5,020
J	Track Cleat Width	mm	1,100	1,450	1,620	1,920	1,920	1,950
K	Min. Ground Clearance	mm	1,030	1,140	1,300	1,300	1,300	1,130
L	Track Height	mm	1,550	1,690	2,030	2,030	2,030	2,030
M	Overall Cabin Height	mm	3,540	3,720	4,090	4,060	4,155	4,205
N	Upper Structure Overall Width	mm	2,266	2,540	2,710	2,710	2,960	2,990

With SLR Front Option *

Dimensions	Description	Unit	Doosan Amphibious Models	
			DX140 AM	DX225 AM
A	Max. Track Length	mm	9,290	9,630
B	Track Length on Ground	mm	4,500	4,150
C	Rear Upper Structure Length	mm	2,200	2,750
D	Overall Length	mm	12,240	13,550
E	Height of Boom	mm	2,950	3,470
F	Counterweight Clearance	mm	1,835	2,170
G	Overall Width, min/max	mm	4,220 / 5,320	4,800 / 6,280
H	Undercarriage width, min/max	mm	3,950 / 5,050	4,470 / 5,950
I	Track Gauge, min/max	mm	2,500 / 3,600	2,850 / 4,330
J	Track Cleat Width	mm	1,450	1,620
K	Min. Ground Clearance	mm	1,140	1,300
L	Track Height	mm	1,690	2,030
M	Overall Cabin Height	mm	3,720	4,090
N	Upper Structure Overall Width	mm	2,540	2,710

* Please do not hesitate to contact “DOOSAN DEALER” for dimensions (SLR Front option) of DX80R AM, DX260 AM, DX300 AM and DX340 AM.

DX225 AM on Ground

A(m) / B(m)	2		3		4		5		6		7		8		Maximum Reach Position		
																	Reach (m)
9															2.83*	2.83*	6.53
8											3.40*	3.40*			2.67*	2.67*	7.34
7											3.88*	3.88*			2.59*	2.59*	7.95
6									4.26*	4.26*	4.06*	4.06*	3.59*	3.59*	2.58*	2.58*	8.39
5							5.31*	5.31*	4.74*	4.74*	4.35*	4.35*	4.09*	4.09*	2.62*	2.62*	8.69
4			10.85*	10.85*	7.75*	7.75*	6.20*	6.20*	5.29*	5.29*	4.70*	4.70*	4.30*	4.30*	2.72*	2.72*	8.87
3					9.20*	9.20*	7.08*	7.08*	5.85*	5.85*	5.06*	5.06*	4.52*	4.52*	2.87*	2.87*	8.93
2			6.84*	6.84*	10.24*	10.24*	7.79*	7.79*	6.33*	6.33*	5.38*	5.38*	4.71*	4.71*	3.08*	3.08*	8.88
1			7.80*	7.80*	10.77*	10.77*	8.26*	8.26*	6.67*	6.67*	5.60*	5.60*	4.82*	4.82*	3.39*	3.39*	8.71
0 (Ground)	6.65*	6.65*	9.61*	9.61*	10.86*	10.86*	8.44*	8.44*	6.83*	6.83*	5.69*	5.69*	4.81*	4.81*	3.82*	3.82*	8.42
-1	8.90*	8.90*	12.03*	12.03*	10.58*	10.58*	8.33*	8.33*	6.76*	6.76*	5.59*	5.59*			4.47*	4.47*	7.99
-2	11.49*	11.49*	12.88*	12.88*	9.93*	9.93*	7.90*	7.90*	6.40*	6.40*	5.17*	5.17*			4.67*	4.67*	7.41
-3	14.73*	14.73*	11.27*	11.27*	8.82*	8.82*	7.04*	7.04*	5.60*	5.60*					4.71*	4.71*	6.61
-4			8.90*	8.90*	7.03*	7.03*	5.46*	5.46*							4.59*	4.59*	5.53

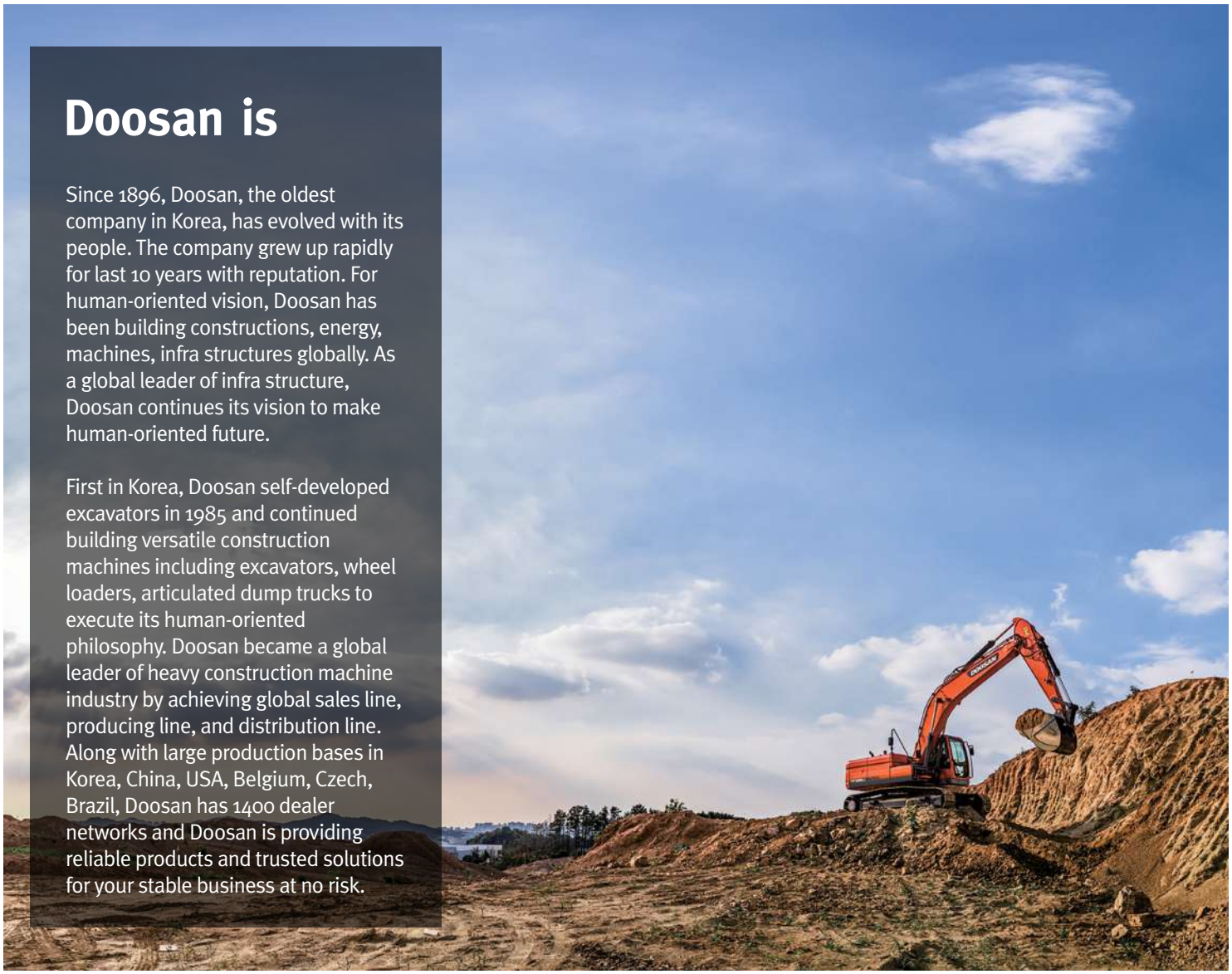
1. Unit of lifting weight is 1,000 kgf.
2. Load point is the end of the arm equipped with 0.81 meter cubic bucket capacity.
3. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
4. Lift capacities shown do not exceed 75 % of minimum tipping loads or 87 % of hydraulic capacities.
5. The least stable position is over the front.
6. Machine in “normal hydraulic mode” and “full-extended pontoon” for lifting capacity on the ground.
7. Lift capacities are in compliance with ISO 10567.
   Maximam grade on the ground : 40 (84%)

DX225 AM on Ground

A(m) / B(m)	2		3		4		5		6		7		8		9		10		11		12		13		Maximum Reach Position		
																											Reach (m)
13																									3.42*	3.42*	8.59
12															3.22*	3.22*									3.22*	3.22*	9.65
11															5.14*	5.14*	4.67*	4.67*							4.67*	4.67*	10.52
10																	4.68*	4.68*	4.40*	4.40*					4.33*	4.33*	11.22
9															5.14*	5.14*	4.51*	4.51*	4.63	5.57*					3.62*	3.62*	11.80
8															5.62*	5.62*	5.09*	5.09*	4.62	6.02*	3.02*	3.02*			2.86*	2.86*	12.27
7															5.97	6.20*	5.21	5.66*	4.59	4.76*	3.24*	3.24*			2.05*	2.05*	12.65
6													6.83	7.45*	5.90	6.89*	5.16	6.18*	4.55	5.37	3.92*	3.92*			1.63*	1.63*	12.93
5									5.29*	5.29*	7.87	9.87*	6.72	8.96*	5.82	6.56*	5.10	7.14*	4.51	6.01*	4.01	4.50*	2.11*	2.11*	1.67*	1.67*	13.13
4			15.70*	N/A	9.13*	9.13*	7.13*	7.13*	6.72*	6.72*	7.71	11.05	6.60	8.57*	5.73	8.33	5.03	7.37	4.46	6.58	3.98	5.01*	2.58*	2.58*	1.72*	1.72*	13.26
3					13.67	N/A	10.87	15.54	8.95	12.84	7.55	10.88	6.48	9.40	5.64	8.24	4.97	7.30	4.41	6.53	3.94	5.47*	2.85*	2.85*	1.79*	1.79*	13.30
2					11.24*	N/A	10.59	15.26	8.75	12.64	7.40	10.74	6.37	9.29	5.56	8.15	4.90	7.24	4.36	6.48	3.90	5.84*	2.90*	2.90*	1.88*	1.88*	13.27
1			3.95*	N/A	8.76*	N/A	10.39	14.23*	8.59	12.48	7.28	10.61	6.27	9.19	5.48	8.08	4.84	7.18	4.32	6.44	3.87	5.82	2.68*	2.68*	2.10*	2.10*	13.17
0 (Ground)	3.48*	N/A	4.39*	N/A	7.28*	N/A	10.26	11.90*	8.47	12.36	7.18	10.51	6.20	9.11	5.42	8.02	4.80	7.13	4.28	6.40	3.85	5.79			3.25*	3.25*	12.98
-1	4.16*	N/A	4.99*	N/A	6.58*	6.58*	10.19	10.55*	8.40	12.29	7.11	10.45	6.14	9.06	5.37	7.97	4.76	7.09	4.25	6.37	3.83	5.50*			3.57	4.48*	12.71
-2	4.85*	N/A	5.67*	5.67*	7.17*	7.17*	9.82*	9.82*	8.35	12.25	7.07	10.40	6.10	9.02	5.34	7.94	4.73	7.07	4.24	6.36	3.82	5.77			3.69	5.58	12.36
-3	5.56*	N/A	6.42*	6.42*	7.91*	7.91*	10.15	10.50*	8.34	12.23	7.05	10.38	6.08	9.00	5.33	7.92	4.72	7.06	4.23	6.35					3.86	5.82	11.91
-4	6.30*	N/A	7.23*	N/A	8.79*	8.79*	10.18	11.47*	8.35	12.24	7.05	10.39	6.08	9.00	5.33	7.92	4.73	7.06	4.24	5.24*					3.97*	3.97*	11.36
-5	7.09*	N/A	8.13*	N/A	8.59*	N/A	7.23*	7.23*	6.59*	6.59*	7.07*	7.07*	6.10	6.51*	5.21*	5.21*	3.30*	3.30*							2.86*	N/A	10.68
-6	7.92*	N/A	9.12*	N/A	7.30*	N/A	6.25*	N/A	5.38*	N/A	4.63*	N/A	3.95*	N/A	3.31*	N/A									2.72*	N/A	9.85
-7			10.22*	N/A	12.56*	N/A	7.97*	N/A	4.33*	N/A	3.70*	N/A	3.06*	N/A											3.06*	N/A	8.83
-8							10.52	N/A	8.63	N/A	7.30	N/A													6.73	N/A	7.55

1. Unit of lifting weight is 1,000 kgf.
2. Load point is the end of the arm equipped with 0.5 meter cubic bucket capacity.
3. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
4. Capacities stated with “n/a” are limited by undercarriage’s working position.
5. Lift capacities shown do not exceed 75 % of minimum tipping loads or 87 % of hydraulic capacities.
6. The least stable position is over the front.
7. Machine in “normal hydraulic mode” and “full-extended pontoon” for lifting capacity on the ground.
8. Lift capacities are in compliance with ISO 10567.

* Please do not hesitate to contact “DOOSAN DEALER” for lifting capacity (SLR Front option) of DX80R AM, DX260 AM, DX300 AM and DX340 AM.



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