



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 13 - Equipment

Proc Folder: 18012

Doc Description: ADDENDUM 9 SPEC REVISION OPENING HYDRAULIC TRACK EXC

Proc Type: Central Master Agreement

Date issued	Solicitation Closes	Solicitation No	Version
2015-04-24	2015-04-30 13:30:00	CRFQ 0803 DOT1500000046	11

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

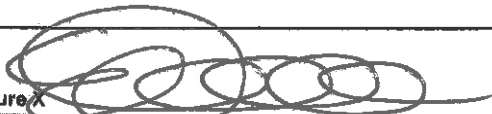
VENDOR

Vendor Name, Address and Telephone Number:
 STATE EQUIPMENT, INC.
 P.O. BOX 3939
 CHARLESTON, WV 25339
 304-776-4405

04/30/15 10:34:51
 WV Purchasing Division

FOR INFORMATION CONTACT THE BUYER

Crystal Rink
 (304) 558-2402
 crystal.g.rink@wv.gov

Signature:  FEIN # 550658298 DATE 4/29/2015

All offers subject to all terms and conditions contained in this solicitation

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY FORK RD CROSSING BUCKHANNON WV26201 US		DIVISION OF HIGHWAYS EQUIPMENT DIVISION 33 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	CLASS 310 HYDRAULIC TRACK EXCAVATOR	10.00000	EA	\$110,361.00	\$1,103,610.00

Comm Code	Manufacturer	Specification	Model #
22101526	DOOSAN	HYDRAULIC TRACK EXCAVATOR	DX140LCR

Extended Description :
 CLASS 310 HYDRAULIC TRACK EXCAVATOR

DOT1500000046	Document Phase Draft	Document Description ADDENDUM 9 SPEC REVISION OPENING HYDRAULIC TRACK EXC	Page 3 of 3
----------------------	--------------------------------	--	------------------------------

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ DOT1500000046

Addendum Number: 9

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

TO MODIFY THE SPECIFICATIONS

TO EXTEND BID OPENING DATE TO APRIL 30, 2015 AT 1:30 PM EST

THE LISTED QUANTITY IS AN ESTIMATED PURCHASE VOLUME ONLY FOR THE ITEM AND REPRESENTS THE APPROXIMATE VOLUME OF ANTICIPATED PURCHASES ONLY. NO FUTURE USE OF THE CONTRACT OR ANY INDIVIDUAL ITEM IS GUARANTEED OR IMPLIED

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

CRFQ 0803 DOT1500000046

HYDRAULIC TRACK EXCAVATOR

The original language in contract will be listed first with question and answer to follow below.

- 1. 3.1.2.1 Engine shall be 100 horsepower minimum; turbocharged diesel Tier 4 Interim and shall have a pressurized liquid cooling system with thermostat, filled with manufacturers approved extended life permanent type anti-freeze that provides protection to at least -30 degrees F.**

Question #1: It seems that most of the vendors are requesting that the horse power be changed

Answer: We will change the horsepower to read 90 horsepower minimum.

- 2. 3.1.4.1 Item F Limited tail swing 5.1 feet including manufacturers needed weight(s).**

Question #1 Can you change this to 5 feet 1 inch maximum?

Answer: Yes will now read: 3.1.4.1 Limited tail swing 5 feet 1 inch maximum including manufacturers needed weight(s).

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DOT150000046

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.


Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input checked="" type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

STATE EQUIPMENT, INC.

Company


Authorized Signature
4/29/2015

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012



STATE EQUIPMENT, INC.

PO BOX 3939
CHARLESTON WV 25339

PHONE: 304-776-4405
FAX: 304-776-4409
INFO@STATEEQUIPMENT.COM
WWW.STATEEQUIPMENT.COM

EXCEPTION

3.1.1.2

OPERATING WEIGHT INCLUDING FUEL, THUMB AND BUCKET IS
34,701 LBS.

UNIT OFFERED

MEETS OR EXCEEDS THE "OCCUATIONAL SAFETY AND HEALTH
ACT" OF 1970

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

STATE EQUIPMENT, INC

(Company)



EDDIE ROWAN, JR. GENERAL MANAGER

(Authorized Signature) (Representative Name, Title)

(304) 776-4405 (304) 776-4409

(Phone Number) (Fax Number) (Date)

REQUEST FOR QUOTATION
CLASS 310 HYDRAULIC TRACK EXCAVATOR

7.2 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

7.3 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: EDDIE ROWAN, JR

Telephone Number: 304-776-4405

Fax Number: 304-776-4409

Email Address: EDDIE@STATEEQUIPMENT.COM

7.4 Operating and Service Manuals and Parts Lists: An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and the "Equipment Preventative Maintenance Questionnaire", (Exhibit "B") must be with pilot unit upon delivery, Attn: Marcia Lee. There must be 12 service/shop/maintenance manuals and 14 parts manuals; CD-ROM is preferred in lieu of parts manuals. Manuals shall be delivered upon completion of delivery of total units. Failure to do so will delay payment.

7.5 Training: Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator, and Mechanic Training. In order to keep operators and mechanics updated, the successful vendor shall conduct training sessions covering the operation, maintenance, trouble-shooting with each purchase order against this open end contract. Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to

WVDOH
Training Academy
P.O. Box 610
Buckhannon, West Virginia 26201

Prior to delivery of the pilot unit. Training seminar to be held at the WVDOT, Equipment Division, Buckhannon, WV.



CRAWLER EXCAVATORS

14 – 28 Metric Ton

DX140LC	14,400 kg	31,746 lb.	109 hp (82 kw)
DX180LC	18,710 kg	41,248 lb.	125 hp (93 kw)
DX225LC	22,500 kg	49,604 lb.	167 hp (124 kw)
DX255LC	25,700 kg	56,659 lb.	185 hp (138 kw)



DOOSAN DELIVERS *a heritage of dedication*

DOOSAN, a strong, stable and global company with a 115-year legacy, has a heritage in equipment manufacturing that began in 1937. Since 2005, we've grown to become the fifth largest construction equipment manufacturer in the world.





Doosan can be found in every area of the infrastructure support business, which encompasses many facets of the heavy construction equipment industry.

Many contractors might be surprised to know that, while Doosan is a relatively young brand in the North American construction equipment market, the organization has a global manufacturing history going back more than 75 years.

Today, Doosan Infracore Construction Equipment America (DICEA) and its affiliates are industry leaders in the engineering, manufacturing and marketing of construction equipment including skid-steers, excavators, wheel loaders, articulated dump trucks, attachments, air compressors, lighting systems and generators as well as compact construction equipment and engine power systems.

Building Your Tomorrow Today

Our construction equipment group leads Doosan's infrastructure support business (ISB) segment. Other ISB businesses include:

- Forklifts & Material Handling
- Machine Tools
- Castings & Forgings
- Construction & Engineering
- Power Generation
- Water Treatment & Desalination
- Renewable Energy

Your North American partners.

Throughout our decades of selling equipment in North America, we've been building a network of dealers designed to surpass the standards for customer service. From coast to coast, there's a solid infrastructure that supports your equipment, including a parts distribution facility in Chicago and a service training facility in Georgia, sales training center in Arizona, attachments design and development in Minnesota and sales & marketing support in North Dakota.



West Fargo, ND
Sales & Marketing

Tucson, AZ
Product Training & Testing

Litchfield, MN
Heavy Attachments

Chicago, IL
Parts Distribution

Suwanee, GA
Service Training & Product Management

Atlanta, GA
DICEA Mfg. Headquarters

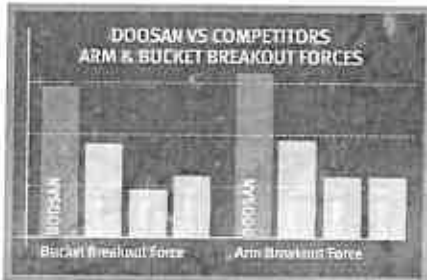
www.doosan-equipment.com

DOOSAN DELIVERS *Performance*

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.

Arm and Bucket Force

Save time digging, loading trucks and more with best-in-class hydraulics. You can rely on consistent, reliable power delivery to the arm and bucket – and when you need it, a one-touch power boost momentarily amplifies your hydraulic power. With Doosan, you can confidently take on tough digging conditions that slow other machines down.



Swing Torque

The newest Doosan models have an 8-11 percent increase in swing torque. That means you can easily swing uphill and backfill faster, with better results. Now, every foot of trench eats up less of your schedule.

Four Power Modes

With four selectable power modes, you have more control over your excavator's performance. Balance fuel consumption and machine power to match your working conditions without even leaving the cab.

P+ **Power+ mode** delivers the fastest workgroup speeds to save more time loading trucks. Top digging performance delivers extra power for penetrating hard ground and other tough conditions.

P **Power mode** provides excellent power and superior performance for tough digging and heavy lifting. It also provides quick truck loading and fast travel speed to save time.



S **Standard power mode** optimizes your fuel consumption and delivers high performance in everyday digging, grading and lifting.

E **Economy mode** reduces fuel consumption for low-demand applications and slows down machine movement, which is handy for fine digging, light grading conditions and jobsite conditions that require extra precision.



One-Touch Power Boost

The convenient button on the right-hand joystick provides momentary increased hydraulic power to break through hard ground and other tough digging conditions.

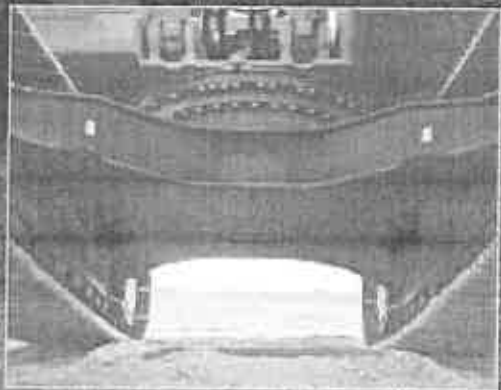
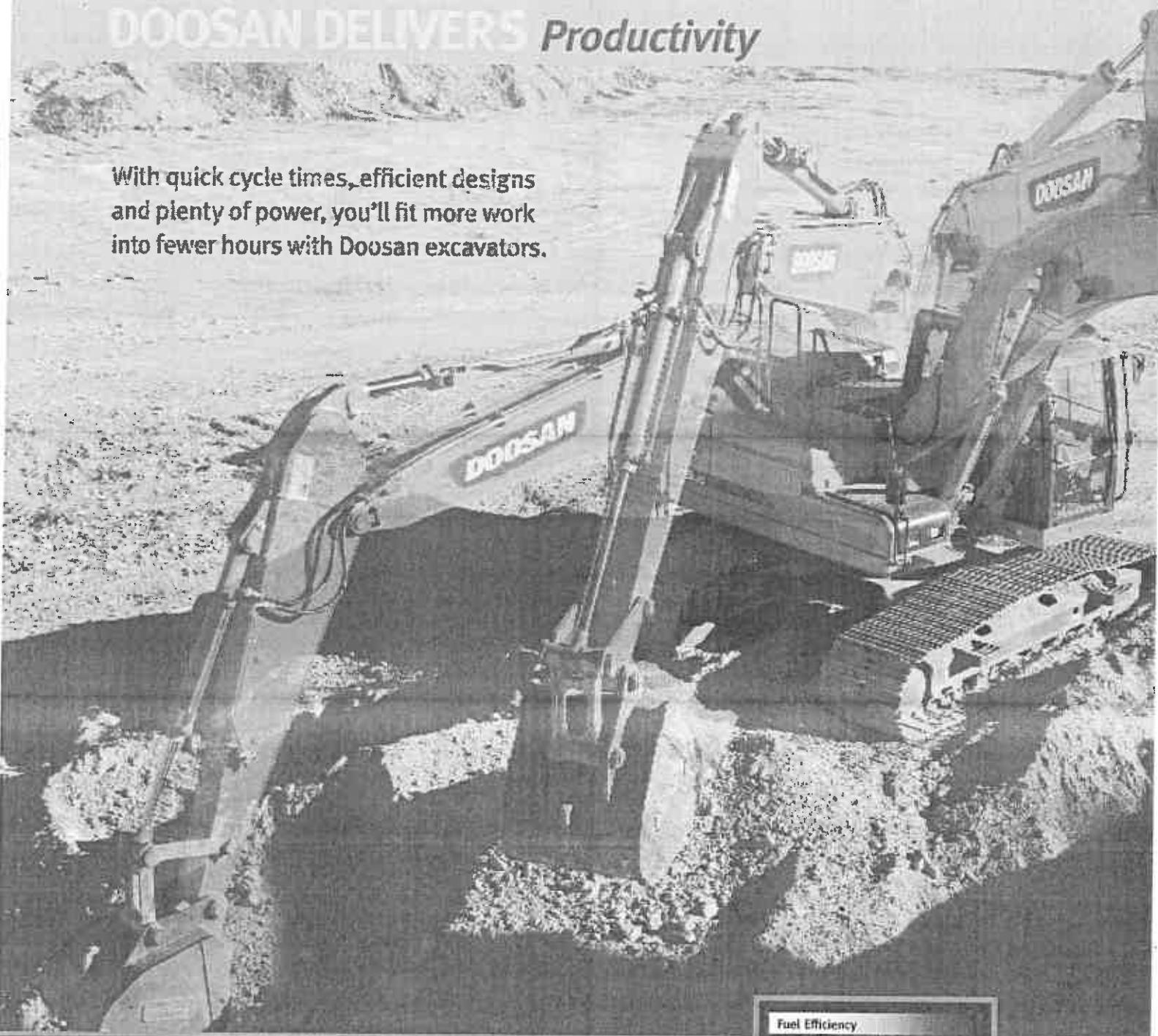


Lifting Capacity

Complete the job faster and lift more with every cycle. Doosan excavators are designed and tested to maximize lifting capability. An optimal swing radius, lift height, and lift position enable you to efficiently lift and place objects or dig loads of material in less time.

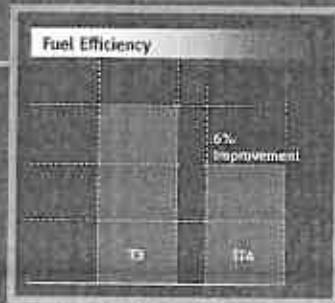
DOOSAN DELIVERS *Productivity*

With quick cycle times, efficient designs and plenty of power, you'll fit more work into fewer hours with Doosan excavators.



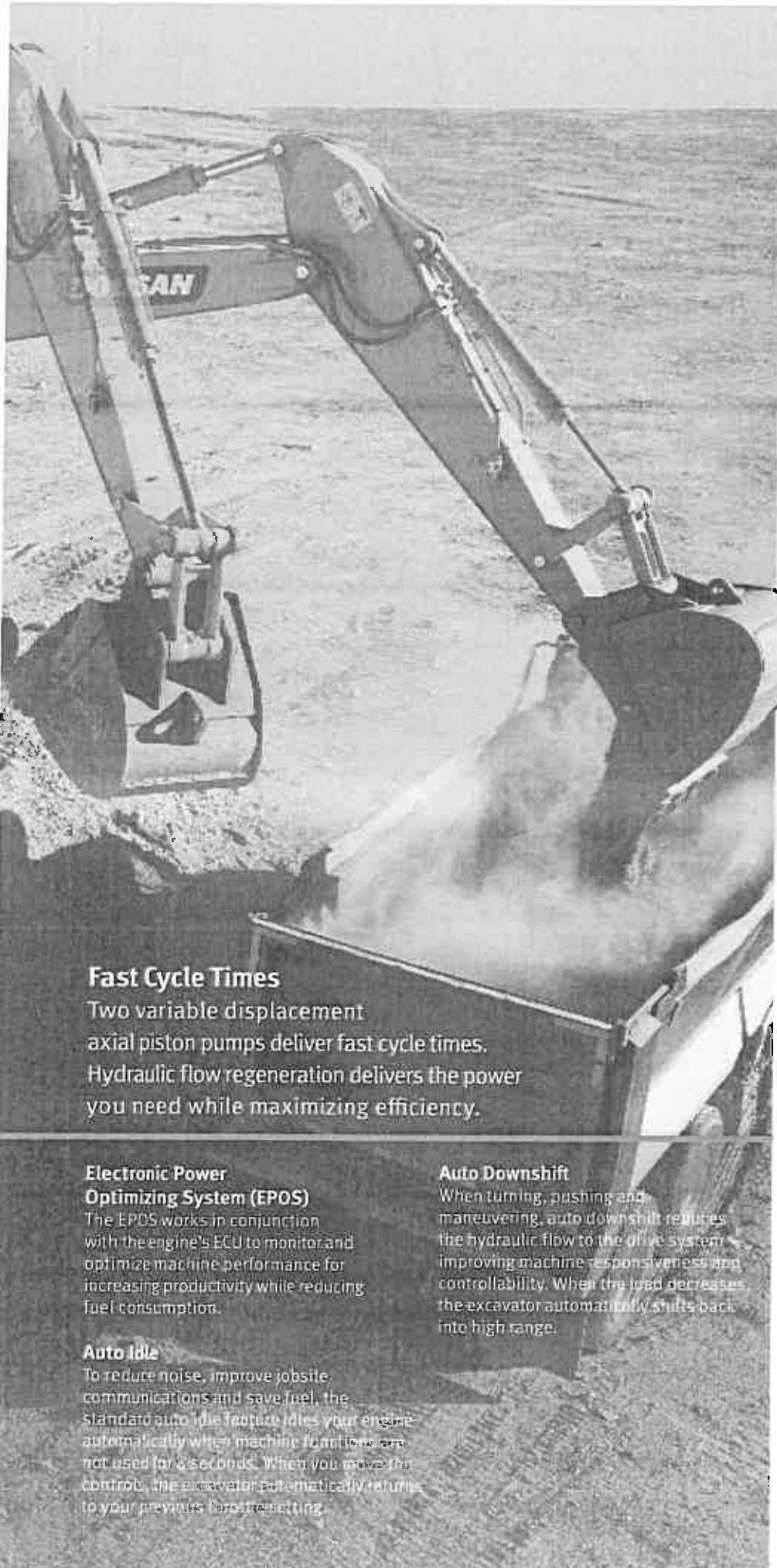
X-Chassis Undercarriage

Get increased ground clearance and maneuverability in softer ground with the X-Chassis undercarriage design. The sloped surfaces also shed debris faster, reducing material buildup and cutting back your cleanup time.



Fuel Efficiency

The Doosan excavator's efficient horsepower curve delivers increased torque with less fuel. The high pressure common rail (HPCR) fuel injection system helps reduce emissions and allows the Interim Tier 4-compliant engine to save fuel and improve performance.



Fast Cycle Times

Two variable displacement axial piston pumps deliver fast cycle times. Hydraulic flow regeneration delivers the power you need while maximizing efficiency.

Electronic Power Optimizing System (EPOS)

The EPOS works in conjunction with the engine's ECU to monitor and optimize machine performance for increasing productivity while reducing fuel consumption.

Auto Idle

To reduce noise, improve jobsite communications and save fuel, the standard auto idle feature idles your engine automatically when machine functions are not used for 3 seconds. When you move the controls, the excavator automatically returns to your previous horsepower setting.

Auto Downshift

When turning, pushing and maneuvering, auto downshift reduces the hydraulic flow to the drive system, improving machine responsiveness and controllability. When the load decreases, the excavator automatically shifts back into high range.

Interim Tier 4 (iT4) Compliant

Optimized to provide the ultimate in power delivery and fuel economy, Doosan excavators are designed with iT4 compliant engines to reduce air pollution.

Cooled Exhaust Gas Recirculation (CEGR)

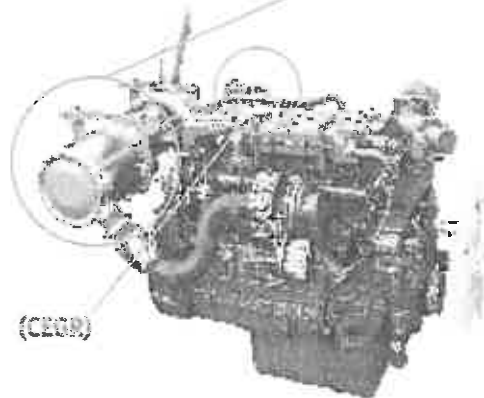
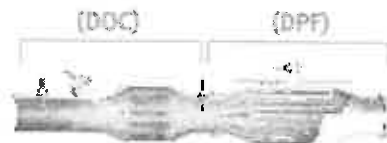
CEGR recycles a portion of the engine exhaust to reduce oxygen and lower the temperature in the combustion chamber. This greatly reduces nitrogen oxide emissions (NOX).

Diesel Oxidation Catalyst (DOC)

Using DOC technology, particulate matter (PM) emissions are transformed into harmless water and carbon dioxide.

Diesel Particulate Filter (DPF)

Exhaust enters the DPF where it's filtered further. The result is cleaner diesel exhaust and a healthier environment.



Regeneration

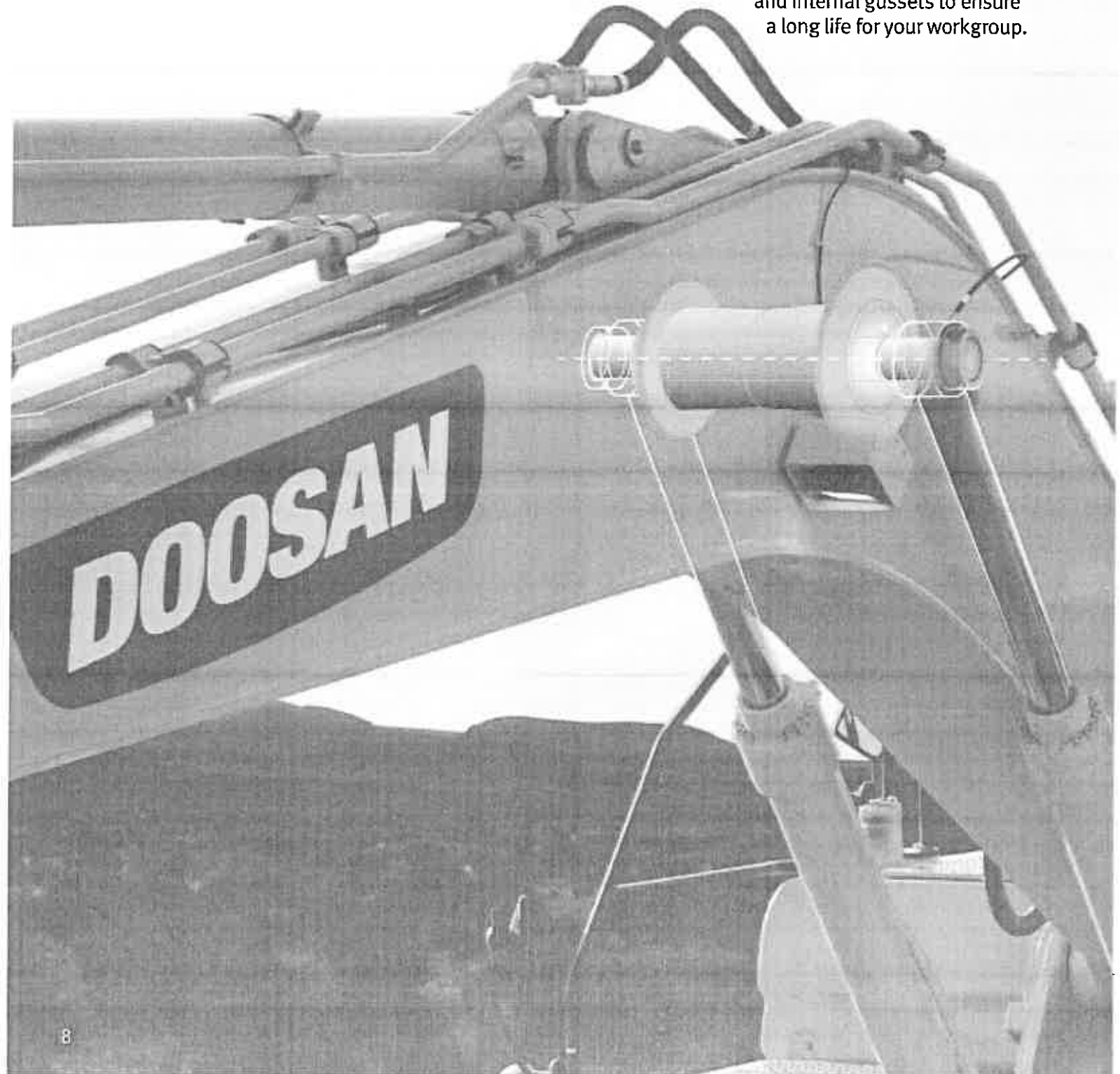
The DPF requires continuous regeneration to filter exhaust properly. Passive regeneration occurs with exhaust heat only. An active regeneration initiates automatically if the ECU detects certain levels of particulate matter in the DPF and does not interfere with normal machine operation. If required, manual regeneration can be initiated by the operator.

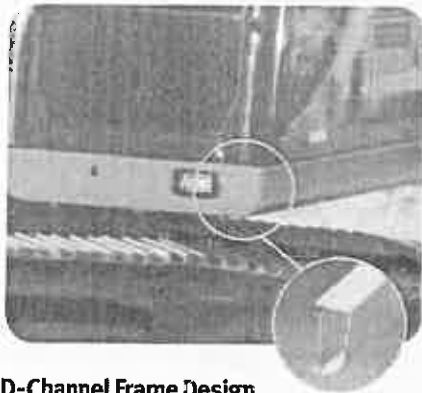
DOOSAN DELIVERS *Durability/Reliability*

Your reputation depends on a reliable, durable machine, and Doosan excavators are designed to be ready when you are. They're protected with solid construction and smart designs you can see. Their heavy-duty features keep you running longer in the field—so you spend less time in the shop and more time making money.

Cast Ends and Pin Bosses

If you want a workgroup that lasts in the toughest applications, take a look at Doosan. All major pin points on the boom and arm are cast for extra strength in tough working conditions. Plus, there is additional reinforcement around the bosses and internal gussets to ensure a long life for your workgroup.





D-Channel Frame Design

The Doosan frame can withstand more shock from the side thanks to an innovative upper structure frame design that adds strength and protects vital machine components.

Air-to-Air Fuel Cooler

The air-to-air fuel cooler reduces fuel temperature to increase your machine's overall efficiency and protect engine components.



Heavy Duty Wear Plates

Ultra-hard and wear-resistant, these plates at the end of your arm and H-link extend the service intervals for your bucket pin-up point. By minimizing the tolerance between the bucket and arm, they maintain high breakout forces and allow for greater productivity.

Cooling System

An electric fan clutch optimizes the hydraulic system and engine temperatures, even in severe working conditions. The system operates when necessary based on cooling capacity requirements helping to reduce noise as well as fuel consumption while protecting and extending the life of engine components.



Permanently Sealed, Lubricated Track Pins

Pin links on Doosan excavator tracks never need greasing because they are permanently sealed. That means you reduce your operating costs and increase your uptime.



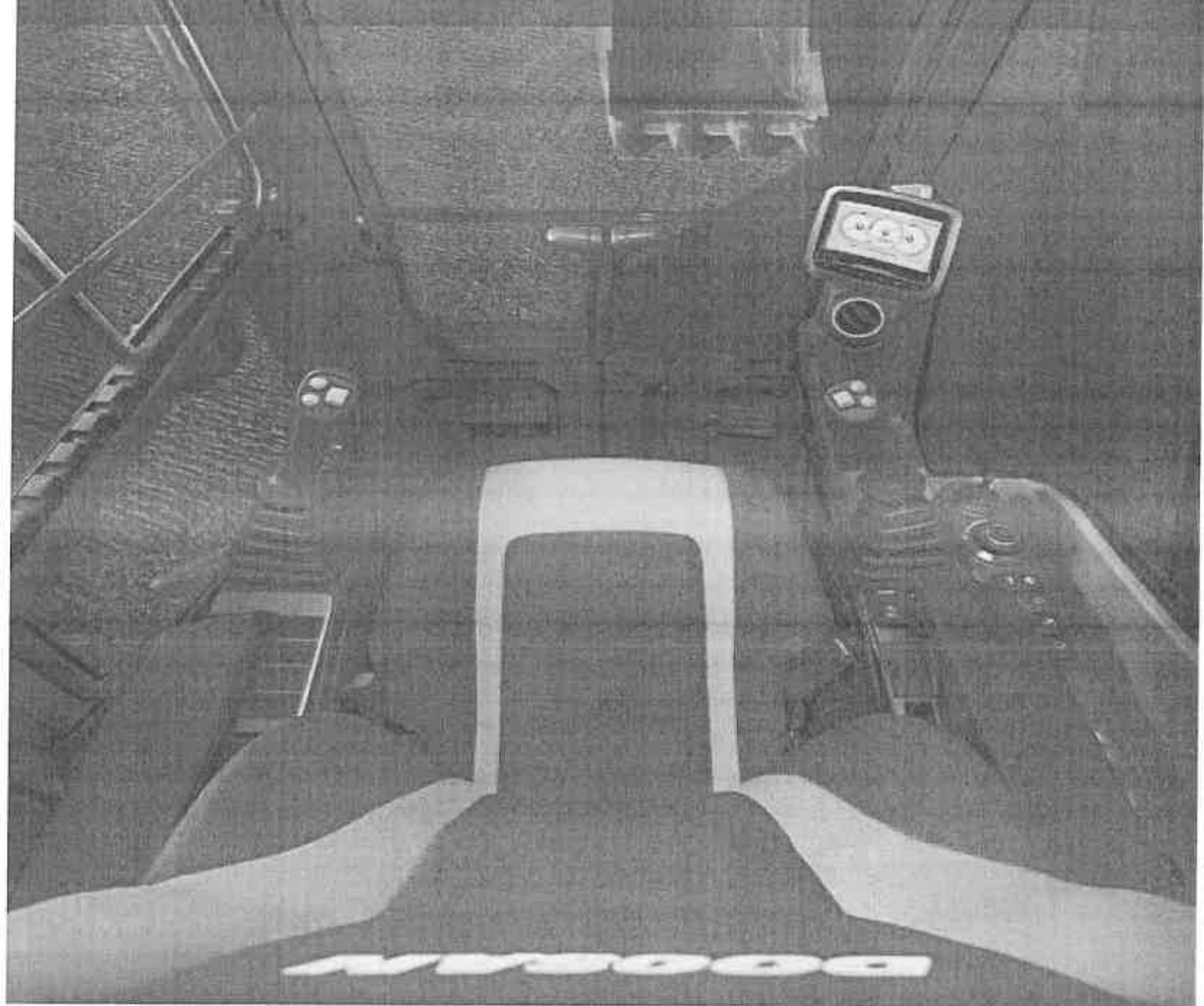
Recessed Drive Motors

Drive motors contained and recessed within the track width are protected from potential damage, resulting in more uptime.



DOOSAN DELIVERS *Comfort*

You can't do as much work if you're not comfortable. Operator comfort is essential. Great visibility; a deluxe, adjustable seat and numerous perks and comfort features help operators to push performance to the limit. Easy to enter, exit and work in, Doosan cabins give you remarkable standard features that bring superior comfort to the job.



Visibility

The Doosan cabin allows you to focus on your work – instead of struggling to see it. The large Doosan cabin provides an excellent viewing area on the front and side windows. When loading trucks or working overhead, the overhead window gives you great visibility above the

machine. Narrow corner pillars, small window joints and a wiper mounted on the pillar – instead of on the glass surface – give an unobstructed view. Sun shades on the front and top windows shield operators from the sun and reduce eye strain.

Other Cabin Features

- Improved floor space for your feet, increased cab space for your legs, arms, and head
- 180-degree swinging door
- Wide entry/exit area
- Grab handles
- Standard radio and antenna
- Standard CD player and MP3 player input
- 12 V power port
- Adjustable slat window openings for fresh air

Quiet Operation

A complete, sound-isolating cabin seal reduces the noise inside the pressurized cab to an extremely low level. Compartmentalized components reduce noise output outside the cab. Even the cabin frame and seat are designed to absorb vibration and significantly increase operator comfort.

Adjustable Comfort

The standard air suspension seat has multiple adjustment points, allowing you to select the most comfortable position.

- A Control Stand/Seat Base Fore/Aft
- B Control Stand/Seat move with suspension
- C Control Stand/Seat Height
- D Seat Fore/Aft
- E Seat Cushion Fore/Aft
- F Seat Cushion Angle
- G Back Recline
- H Lumbar Support
- I Headrest Fore/Aft & Up/Down
- J Control Stands Up/Down
- K Seat Heater

Automotive Style Heat and Air Conditioning

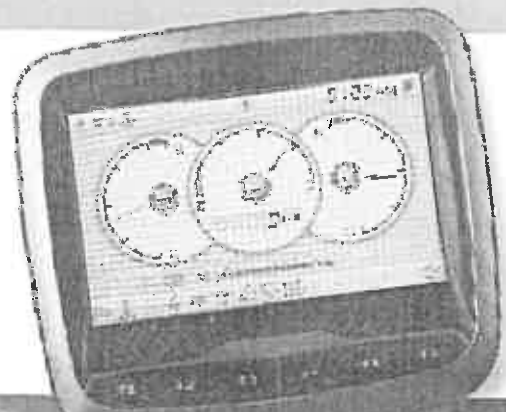
High capacity heating and cooling vents and an easy-to-control temperature keep you comfortable all year long. Automatic temperature control senses and adjusts to the temperature setting automatically. A memory function returns it to your preferred temperature if you shut the machine off and restart later.

Standard Rearview Camera

Provides the operator with an additional means to view the machine's surroundings, allowing for increased productivity.

Easy-to-Read LCD Display Panel

An easy-to-read LCD display panel is placed within easy view for monitoring critical machine data, receiving errors or warnings, and the rearview camera display. A big, seven-inch display also switches to a night view.



DOOSAN DELIVERS *Easy Maintenance*



Ground level access to all filters

Even the best equipment needs regular maintenance. Doosan makes it easy to care for your excavator with onboard diagnostic systems, easy component access, plus a fleet management system that comes standard. If you want a machine that lasts, with minimal effort, Doosan delivers everything you need.



Easy access to regular inspection points

Easy Component Access

Access panels are easy to find and open from the top, bottom and sides of the excavator. A large engine cover provides plenty of room to reach the top side of the engine, while a hinged belly pan allows access from the bottom. Solid steel side panels provide access to regular daily maintenance items which make for quick, easy service and a lower cost of operation.



Doosan Telematics (GPS)

Access location information and a full range of machine operational information on any web-enabled computer or cell phone, via a simple user interface. You share this data with your dealer and Doosan, enabling a complete machine maintenance management strategy that reduces operating costs.



Oil & Filter Life

Easily review the hours since the last maintenance for filters and oils. Your machine will remind you when each oil and filter needs replacing 10 working hours before service is due, assisting you in regular maintenance scheduling.



Doosan Monitoring System with Laptop Access

During operation, the Doosan Monitoring System monitors all critical data and provides a complete history of operation and a real-time log of machine failures to your dealer's technician. Armed with information like this, dealer service personnel can fix issues faster — and you can get back to work.

Auxiliary Mode Switch

If needed, an auxiliary mode switch allows you to finish a job or move your excavator to a convenient location for service.

Self-Diagnostics

An LCD monitor helps you track critical systems in real time and access historical machine alerts from within the cabin.



Centralized Boom Grease Points

Daily maintenance is critical—and it's simple with the centralized grease banks on the base of the boom.

DOOSAN DELIVERS *Versatility*

Doosan excavators are made to do more because they are optimized for attachment versatility. Virtually any attachment designed for its operating weight can be matched to your excavator, and you can easily increase your utilization.

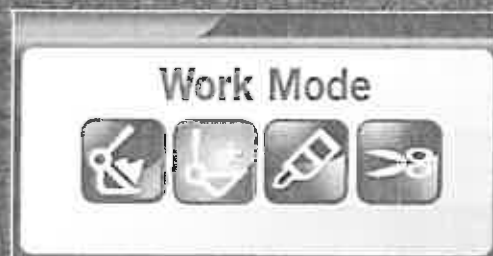
Doosan Infracore Attachments

Gear up for your job with the hard-working line of Doosan attachments for excavators and loaders. Doosan builds its own tough breakers, grapples, clamps, plate compactors and a wide array of bucket types and sizes. All of them are built to Doosan machine specifications for superior reliability and performance.



Selectable Work Modes

Tailor your excavator's performance to the job at hand with four unique work modes. Two modes recalibrate machine power for digging or lifting. Two change the auxiliary hydraulic flow for specific types of attachments. Just change a few settings with the LCD display panel to quickly optimize performance and protect your hydraulic components.



Digging

Your default setting delivers the performance you need for general excavation, loading and lifting. The four power modes give it a huge range of versatility for many different digging applications.



Lifting

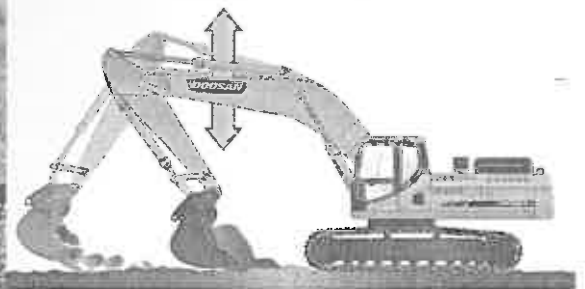
The increased pump torque, low engine RPMs and automatic power boost provide extra muscle when lifting materials – like pipe or concrete barriers.



Hydraulic Attachment Management

Via the LCD screen, the operator can configure 10 different attachment presets: five each for 1-way and 2-way flow. Each preset configuration can be matched to specific operational requirements of an attachment by limiting the maximum pressure and the minimum/maximum flow rate that is delivered to the attachment.

When changing hydraulic attachments, just select the appropriate preset to optimize machine and attachment functionality. Password protection functionality within the system discourages improper attachment preset selection for operators or rental users with limited understanding of hydraulic systems.



Breaker, or one-way auxiliary hydraulic flow, works great for attachments that only require hydraulic power from one direction, such as breakers or plate compactors. This mode also maintains consistent downward pressure for maximum attachment performance and component protection with optional boom float engaged.



Shear, or two-way auxiliary hydraulic flow, is best for attachments that need bi-directional hydraulic flow, such as a hydraulic clamp, tilting bucket or shear.

The work attachment work modes and the resulting control over auxiliary hydraulic flow allows you to be more productive with a clamp or grapple as well. You control the speed at which jaws close or open and get a fast, tight grip on hard-to-move materials.

Intelligent Floating Boom

Ideal for finishing work, operators can focus on the arm and bucket with the intelligent floating boom. This setting allows the boom to move freely with the contours of the ground. When engaged, the boom does not utilize hydraulic flow, increasing efficiency and productivity by saving fuel and improving cycle times.

Specifications

General

STANDARD CONFIGURATION

	UHS1	DX100LC-9	DX100LC-3	DX225LC-9	DX225LC-3
ENGINE					
MODEL		DOOSAN DL06K	DOOSAN DL06K	DOOSAN DL06K	DOOSAN DL06K
NUMBER OF CYLINDERS		6	6	6	6
RATED POWER GROSS (HP per SAE J1995)	hp (kW) @ rpm	109 (82) @ 1,850	125 (93) @ 1,950	167 (124) @ 1,800	185 (138) @ 1,900
RATED POWER NET (HP per SAE J1349) NET	hp (kW) @ rpm	107 (80) @ 1,850	122 (91) @ 1,950	163 (121) @ 1,800	180 (134) @ 1,900
MAXIMUM TORQUE (GROSS) (SAE J1995)	ft.-lb. (Nm) @ rpm	354 (481) @ 1,400	391 (530) @ 1,400	557 (755) @ 1,400	593 (804) @ 1,400
PISTON DISPLACEMENT	in. ³ (cc)	359 (5890)	359 (5890)	359 (5890)	359 (5890)
BORE AND STROKE	in. x in. (mm x mm)	4 x 5 (100 x 125)	4 x 5 (100 x 125)	4 x 5 (100 x 125)	4 x 5 (100 x 125)
STARTER	V, kW	24V, 6.0 kW	24V, 6.0 kW	24V, 6.0 kW	24V, 6.0 kW
BATTERIES	V, AH	2 x 12V, 100AH	2 x 12V, 150AH	2 x 12V, 150AH	2 x 12V, 150AH
AIR CLEANER		Double Elements	Double Elements	Double Elements	Double Elements
HYDRAULICS					
MAIN PUMPS	gpm (L/min)	2 x 30 (2 x 11.1)	2 x 40 (2 x 15.2)	2 x 55 (2 x 206.5)	2 x 57.9 (2 x 219)
PILOT PUMP Gear design	gpm (L/min)	7.3 (27.75)	4.9 (18.5)	7.1 (27)	7.5 (28.5)
RELIEF PRESSURE	Normal/Boost psi (kg/cm ²)	4,694/4,978 (330/350)	4,694/4,978 (330/350)	4,694/4,978 (330/350)	4,978/5,263 (350/370)
MAXIMUM SYSTEM PRESSURE					
BOOM/ARM/BUCKET (Normal Mode)	psi (kg/cm ²)	4,694 (330)	4,694 (330)	4,694 (330)	4,978 (350)
BOOM/ARM/BUCKET (Power Mode)	psi (kg/cm ²)	4,978 (350)	4,978 (350)	4,978 (350)	5,263 (370)
TRAVEL (Normal Mode)	psi (kg/cm ²)	4,694 (330)	4,694 (330)	4,694 (330)	4,978 (350)
TRAVEL (Power Mode)	psi (kg/cm ²)	4,978 (350)	4,978 (350)	4,978 (350)	5,263 (370)
SWING (Normal Mode)	psi (kg/cm ²)	4,694 (330)	4,694 (330)	4,694 (330)	4,978 (350)
SWING (Power Mode)	psi (kg/cm ²)	4,978 (350)	4,978 (350)	4,978 (350)	5,263 (370)
UNDERCARRIAGE					
UPPER ROLLERS (Each Track)		1	2	2	2
LOWER ROLLERS (Each Track)		7	7	8	10
NUMBER OF SHOES (LINKS PER SIDE)		46	44	49	51
TOTAL LENGTH OF TRACK	ft. in. (mm)	12'4" (3755)	13' (3968)	14'7" (4445)	15'2" (4625)
ENVIRONMENT					
SOUND LEVEL (2000/14/EC)	dB(A)	101	102	102	102
CABIN SOUND LEVEL (ISO 6396)	dB(A)	70	70	70	70
SWING MECHANISM					
SWING SPEED	rpm	11	10.6	10.9	9.9
SWING TORQUE	lbf.-ft. (kgf-m)	32,771 (4531)	44,563 (6450)	60,757 (8400)	71,462 (9880)
DRIVE SYSTEM					
TRAVEL SPEED (LOW - HIGH)	mph (km/h)	1.9/3.1 (3.0/5.0)	1.9/3.2 (3.1/5.1)	1.9/3.4 (3.0/5.5)	2.0/3.5 (3.2/5.6)
DRAWBAR PULL	lbf. (kgf)	31,747 (14,400)	45,195 (20,500)	60,715 (27,540)	62,832 (28,500)
MAXIMUM GRADE	% / Degrees	70 / 35°	70 / 35°	70 / 35°	70 / 35°
REFILL CAPACITIES					
FUEL TANK	gal. (L)	70 (265)	77.4 (293)	105.7 (400)	108.3 (410)
COOLING SYSTEM (RADIATOR CAPACITY)	gal. (L)	5.5 (21)	5.5 (21)	5.9 (22.3)	7.4 (28)
ENGINE OIL	gal. (L)	6.6 (25)	6.6 (25)	7.1 (27)	7.1 (27)
SWING DRIVE	gal. (L)	1.3 (5)	1.3 (5)	1.3 (5)	1.8 (7)
FINAL DRIVE (EACH SIDE)	gal. (L)	0.8 (3)	0.8 (3)	0.9 (3.3)	1 (3.9)
HYDRAULIC SYSTEM	gal. (L)	44.9 (170)	55.5 (210)	63.4 (240)	74 (280)
HYDRAULIC TANK (Level)	gal. (L)	26.4 (100)	33.0 (125)	37 (140)	40 (150)

NOTE — Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Pictures of Doosan excavators may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Doosan Construction Equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

All dimensions are given for Doosan excavators equipped with standard tracks and the US20 configuration unless otherwise noted.

Weight

	UNIT	DX460LC-3	DX780LC-3	DX225LC-3	DX250LC-3
CATEGORY					
BOOM	ft. in. (mm)	15'1" (4600)	17'1" (5200)	18'8" (5700)	19'4" (5900)
ARM	ft. in. (mm)	9'10" (3000)	8'6" (2600)	9'6" (2900)	9'10" (3000)
BUCKET	yd ³ (m ³)	.59 (0.45)	.92 (0.70)	1.2 (.92)	1.4 (1.1)
DIMENSIONS (TRIPLE GRIDSEIT)					
SHOE WIDTH - 1'8" (500mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)		39,930 (18 112) 7.4 (.52)		
SHOE WIDTH - 2'0" (600mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)	31,746 (14 400)* 5.12 (.36)*	40,433 (18 340) 6.2 (.44)	48,281 (21 900) 6.5 (.46)	55,336 (25 100) 7.3 (.51)
SHOE WIDTH - 2'4" (700mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)	31,967 (14 500) 4.4 (.31)	41,248 (18 710)* 5.5 (.39)*	48,943 (22 200) 5.7 (.40)	55,997 (25 400) 6.3 (.44)
SHOE WIDTH - 2'7" (800mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)	67,770 (30 740) 6.3(0.44)	41,813 (18 966) 4.9 (.35)	49,604 (22 500)* 5.12 (.36)*	56,593 (25 670)* 5.6 (.39)*
SHOE WIDTH - 2'11" (900mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)		42,364 (19 216) 4.3 (.30)	50,265 (22 800) 4.6 (.32)	57,320 (26 000) 5 (.35)
CATEGORY				DX225LC-3 SLR	
BOOM	ft. in. (mm)			27'11" (8500)	
ARM	ft. in. (mm)			20'4" (6200)	
BUCKET	yd ³ (m ³)			.51 (.39)	
DIMENSIONS (TRIPLE GRIDSEIT)					
SHOE WIDTH - 2'11" (900mm) OPERATING WEIGHT GROUND PRESSURE	lb. (kg) psi (kgf/cm ²)			54,564 (24 750) 5.0 (.35)	

* = Standard Shoe Size

Hydraulic Cylinders

	UNIT	DX460LC-3	DX780LC-3	DX225LC-3	DX250LC-3
BOOM (I)					
BORE x ROD DIAMETER x STROKE (STD & SLR)	in. x in. x in. (mm x mm x mm)	4.3 x 2.95 x 42.7 (110 x 75 x 1085)	4.5 x 3.14 x 47.1 (115 x 80 x 1195)	4.9 x 3.4 x 49.7 (125 x 85 x 1263)	5.1 x 3.5 x 53.7 (130 x 90 x 1365)
ARM (I)					
BORE x ROD DIAMETER x STROKE (STD & SLR)	in. x in. x in. (mm x mm x mm)	4.5 x 3.15 x 43.6 (115 x 80 x 1108)	4.9 x 3.5 x 57.9 (125 x 90 x 1470)	5.5 x 3.9 x 57.1 (140 x 100 x 1450)	5.5 x 3.9 x 65.2 (140 x 100 x 1655)
BUCKET (I)					
BORE x ROD DIAMETER x STROKE (STD)	in. x in. x in. (mm x mm x mm)	3.9 x 2.76 x 35.43 (100 x 70 x 900)	4.3 x 2.9 x 40.4 (110 x 75 x 1025)	4.7 x 3.14 x 41.7 (120 x 80 x 1060)	4.9 x 3.4 x 42.5 (125 x 85 x 1080)
BORE x ROD DIAMETER x STROKE (SLR)	in. x in. x in. (mm x mm x mm)			3.7 x 2.6 x 35.4 (95 x 65 x 900)	

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.

Specifications

Bucket

DX140LC-3

					15' 1" (4600 mm)			
					9' 10" (3000 mm)		9' 10" (3000 mm)	
					FIXED		FIXED w/DOZER	
					23.6" (600 mm)			
					PIN ON		QUICK COUPLER	
QUANTITY	WEIGHT	CAPACITY (cu yd)	WIDTH (mm)	HEIGHT (mm)				
HEAVY DUTY ^{1,2,3}	HF40-018	0.27 (0.21)	20 (508)	796 (361)	A	A	A	A
	HF40-024	0.41 (0.31)	26 (660)	902 (409)	A	A	A	A
	HF40-030	0.55 (0.42)	32 (813)	1,037 (470)	A	B	A	B
	HF40-036	0.68 (0.52)	38 (965)	1,171 (531)	B	C	B	C
	HF40-042	0.82 (0.63)	44 (1118)	1,253 (568)	C	X	C	C
DITCHING ⁴	BS8B48	0.64 (0.49)	48 (1219)	602 (273)	A	B	A	A
	BS8B60	0.80 (0.61)	60 (1524)	908 (412)	C	C	B	B
	BS8B72	0.98 (0.75)	72 (1829)	1,047 (475)	C	X	C	X

DX180LC-3

					17' (5200 mm)							
					8' 6" (2600 mm)		10' 2" (3100 mm)		8' 6" (2600 mm)		8' 6" (2600 mm)	
					FIXED		FIXED		FIXED w/DOZER		NARROW	
					27.6" (700 mm)		27.6" (700 mm)		27.6" (700 mm)		23.6" (600 mm)	
					PIN ON		QUICK COUPLER		PIN ON		QUICK COUPLER	
QUANTITY	WEIGHT	CAPACITY (cu yd)	WIDTH (mm)	HEIGHT (mm)								
HEAVY DUTY ^{1,2,3}	HF46-018	0.36 (0.29)	20 (508)	973 (441)	A	A	A	A	A	A	A	A
	HF46-024	0.55 (0.42)	26 (660)	1,107 (502)	A	A	A	A	A	A	A	A
	HF46-030	0.72 (0.55)	32 (813)	1,266 (574)	A	A	A	A	A	A	A	A
	HF46-036	0.85 (0.65)	38 (965)	1,424 (646)	A	A	A	B	A	A	A	B
	HF46-042	1.02 (0.78)	44 (1118)	1,557 (706)	A	C	B	C	A	B	B	C
	HF46-048	1.19 (0.91)	50 (1270)	1,790 (812)	B	C	C	X	B	C	C	X
DITCHING ⁴	BS8B48	0.64 (0.49)	48 (1219)	602 (273)	A	A	A	A	A	A	A	A
	BS8B60	0.80 (0.61)	60 (1524)	908 (412)	A	A	A	A	A	A	A	A
	BS8B72	0.98 (0.75)	72 (1829)	1,047 (475)	A	B	A	B	A	A	A	B

- 1 Capacity based on ISO 7451
- 2 Equipped with Side Cutters
- 3 Equipped with Bolt On Teeth
- 4 Equipped with Bolt On Cutting Edge

Maximum Suitable Material Density
 A 3,370 lb./yd³ (2,000 kg/m³)
 B 2,700 lb./yd³ (1,600 kg/m³)
 C 1,850 lb./yd³ (1,100 kg/m³)
 X Not Approved

Bucket

DX225LC-3

					18' 8" (5690 mm)							
					9' 6" (2900 mm)		11' 6" (3500 mm)		9' 6" (2900 mm)		8' 6" (2600 mm)	
					FIXED		FIXED		FIXED W/DOZER		NARROW	
					31.5" (800 mm)		34.5" (900 mm)		31.5" (800 mm)		23.6" (600 mm)	
					PIN ON		QUICK COUPLER		PIN ON		QUICK COUPLER	
BUCKET TYPE	MODEL	CAPACITY (CU YD)	WIDTH (IN)	HEIGHT (IN)								
HEAVY DUTY ^{1,2,3}	HF49-024	0.59 (0.45)	26 (660)	1,277 (579)	A	A	A	A	A	A	A	A
	HF49-030	0.78 (0.60)	32 (813)	1,466 (665)	A	A	A	A	A	A	A	A
	HF49-036	0.99 (0.76)	38 (965)	1,665 (755)	A	A	A	A	A	A	A	A
	HF49-042	1.20 (0.92)	44 (1118)	1,820 (826)	A	B	A	A	A	A	A	B
	HF49-048	1.41 (1.08)	50 (1270)	1,976 (896)	B	C	B	B	A	A	B	C
DITCHING ⁴	B33B48	0.93 (0.71)	48 (1219)	903 (410)	A	A	A	A	A	A	A	A
	B33B60	0.98 (0.75)	60 (1524)	1,307 (593)	A	A	A	A	A	A	A	A
	B33B72	1.2 (0.92)	72 (1829)	1,499 (680)	A	A	A	A	A	A	A	B

DX225LC-3 SLR

					27' 11" (8500 mm)
					20' 4" (6200 mm)
					FIXED
					35.4" (900 mm)
					PIN ON
BUCKET TYPE	MODEL	CAPACITY (CU YD)	WIDTH (IN)	HEIGHT (IN)	
HEAVY DUTY ^{1,2,3}	HF40-018	0.27 (0.21)	20 (508)	796 (361)	A
	HF40-024	0.41 (0.31)	26 (660)	902 (409)	A
	HF40-030	0.55 (0.42)	32 (813)	1,037 (470)	B
	HF40-036	0.68 (0.52)	38 (965)	1,171 (531)	C
	HF40-042	0.82 (0.63)	44 (1118)	1,253 (568)	C
DITCHING ⁴	B58B48	0.64 (0.49)	48 (1219)	602 (273)	B
	B58B60	0.80 (0.61)	60 (1524)	908 (412)	C

DX255LC-3

					19' 4" (5893 mm)			
					9' 10" (3000 mm)		11' 5" (3500 mm)	
					FIXED		FIXED	
					31.5" (800 mm)		35.4" (900 mm)	
					PIN ON		QUICK COUPLER	
BUCKET TYPE	MODEL	CAPACITY (CU YD)	WIDTH (IN)	HEIGHT (IN)				
HEAVY DUTY ^{1,2,3}	HF49-024	0.59 (0.45)	26 (660)	1,277 (579)	A	A	A	A
	HF49-030	0.78 (0.60)	32 (813)	1,466 (665)	A	A	A	A
	HF49-036	0.99 (0.76)	38 (965)	1,665 (755)	A	A	A	A
	HF49-042	1.20 (0.92)	44 (1118)	1,820 (826)	A	A	A	A
	HF49-048	1.41 (1.08)	50 (1270)	1,976 (896)	A	A	A	A
DITCHING ⁴	B33B48	0.93 (0.71)	48 (1219)	903 (410)	A	A	A	A
	B33B60	0.98 (0.75)	60 (1524)	1,307 (593)	A	A	A	A
	B33B72	1.20 (0.92)	72 (1829)	1,499 (680)	A	A	A	A

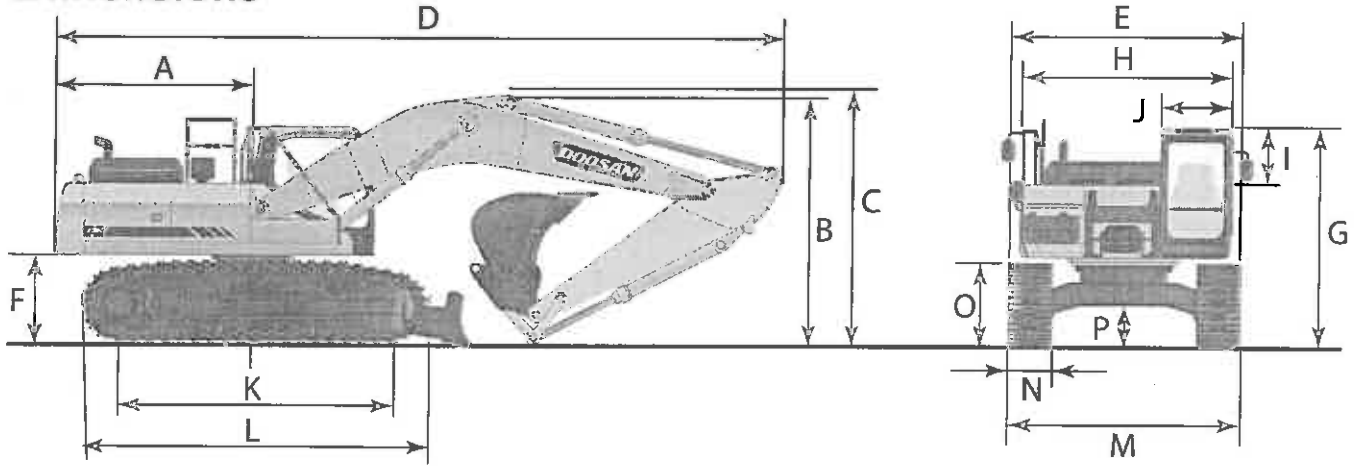
- 1 Capacity based on ISO 7451
- 2 Equipped with Side Cutters
- 3 Equipped with Bolt On Teeth
- 4 Equipped with Bolt On Cutting Edge

Maximum Suitable Material Density

- A 3,370 lb./yd³ (2,000 kg/m³)
- B 2,700 lb./yd³ (1,600 kg/m³)
- C 1,850 lb./yd³ (1,100 kg/m³)
- X Not Approved

Specifications

Dimensions



DX140LC-3

BOOM TYPE	ft.-in. (mm)	EST. (4400) STD	
ARM TYPE	ft.-in. (mm)	2.02' (600) STD	
BUCKET TYPE (S&D)	ft.-in. (mm)	1.59' (480)	
TRACK TYPE		STANDARD	
TAIL SWING RADIUS	A	ft.-in. (mm)	7'3" (2200)
SHIPPING HEIGHT (BOOM)	B	ft.-in. (mm)	10'1" (3065)
SHIPPING HEIGHT (HOSE)	C	ft.-in. (mm)	10'5" (3180)
SHIPPING LENGTH	D	ft.-in. (mm)	25'1" (7635)
SHIPPING WIDTH	E	ft.-in. (mm)	8'6" (2590)
COUNTER WEIGHT CLEARANCE	F	ft.-in. (mm)	2'11" (894)
CABIN HEIGHT	G	ft.-in. (mm)	9'1" (2773)
UPPER STRUCTURE WIDTH	H	ft.-in. (mm)	8'4" (2540)
CABIN HEIGHT ABOVE HOUSE	I	ft.-in. (mm)	3'5" (1045)
CABIN WIDTH	J	ft.-in. (mm)	3'4" (1010)
TUMBLER DISTANCE	K	ft.-in. (mm)	9'11" (3035)
OVERALL TRACK LENGTH	L	ft.-in. (mm)	12'4" (3755)
UNDERCARRIAGE WIDTH	M	ft.-in. (mm)	3'6" (2590)
TRACK SHOE WIDTH	N	in. (mm)	23.6" (600)
TRACK HEIGHT	O	ft.-in. (mm)	2'7" (794)
CAR BODY CLEARANCE	P	ft.-in. (mm)	1'4" (410)

DX180LC-3

BOOM TYPE	ft.-in. (mm)	EST. (2400) STD	EST. (2400) STD	EST. (2400) STD	
ARM TYPE	ft.-in. (mm)	2.02' (600) STD	2.02' (600) STD	2.02' (600) STD	
BUCKET TYPE (S&D)	ft.-in. (mm)	1.59' (480)	1.59' (480)	1.59' (480)	
TRACK TYPE		STANDARD	STANDARD	STANDARD	
TAIL SWING RADIUS	A	ft.-in. (mm)	8' (2450)	8' (2450)	8' (2450)
SHIPPING HEIGHT (BOOM)	B	ft.-in. (mm)	8'11" (2725)	9'4" (2975)	8'11" (2725)
SHIPPING HEIGHT (HOSE)	C	ft.-in. (mm)	9'4" (2855)	9'10" (3150)	9'4" (2855)
SHIPPING LENGTH	D	ft.-in. (mm)	28'4" (8630)	28'7" (8705)	28'4" (8630)
SHIPPING WIDTH	E	ft.-in. (mm)	9'6" (2900)	9'6" (2900)	8'6" (2590)
COUNTER WEIGHT CLEARANCE	F	ft.-in. (mm)	3'5" (1035)	3'5" (1035)	3'5" (1035)
CABIN HEIGHT	G	ft.-in. (mm)	9'7" (2925)	9'7" (2925)	9'7" (2925)
UPPER STRUCTURE WIDTH	H	ft.-in. (mm)	8'4" (2540)	8'4" (2540)	8'4" (2540)
CABIN HEIGHT ABOVE HOUSE	I	ft.-in. (mm)	2'9" (845)	2'9" (845)	2'9" (845)
CABIN WIDTH	J	ft.-in. (mm)	3'4" (1010)	3'4" (1010)	3'4" (1010)
TUMBLER DISTANCE	K	ft.-in. (mm)	10'5" (3180)	10'5" (3180)	10'5" (3180)
OVERALL TRACK LENGTH	L	ft.-in. (mm)	13' (3968)	13' (3968)	13' (3968)
UNDERCARRIAGE WIDTH	M	ft.-in. (mm)	9'6" (2900)	9'6" (2900)	8'6" (2590)
TRACK SHOE WIDTH	N	in. (mm)	27.5" (700)	27.5" (700)	23.6" (600)
TRACK HEIGHT	O	ft.-in. (mm)	3' (917)	3' (917)	3' (917)
CAR BODY CLEARANCE	P	ft.-in. (mm)	1'6" (455)	1'6" (455)	1'6" (455)

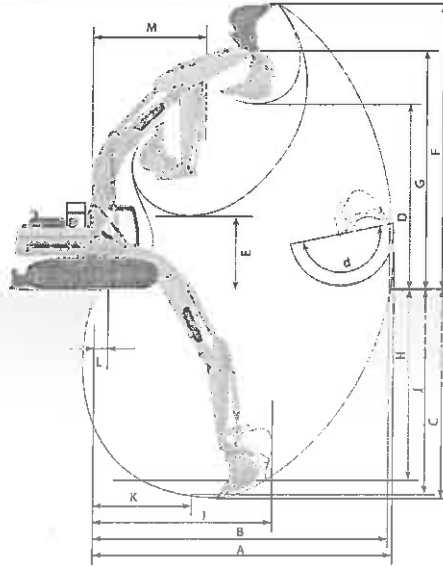
DX225LC-3

BOOM TYPE	ft.-in. (mm)	EST. (2400) STD	EST. (2400) STD	EST. (2400) STD	
ARM TYPE	ft.-in. (mm)	2.02' (600) STD	2.02' (600) STD	2.02' (600) STD	
BUCKET TYPE (S&D)	ft.-in. (mm)	1.59' (480)	1.59' (480)	1.59' (480)	
TRACK TYPE		STANDARD	STANDARD	STANDARD	
TAIL SWING RADIUS	A	ft.-in. (mm)	9'2" (2790)	9'2" (2790)	9'2" (2790)
SHIPPING HEIGHT (BOOM)	B	ft.-in. (mm)	9'5" (2870)	10'3" (3130)	10'6" (3190)
SHIPPING HEIGHT (HOSE)	C	ft.-in. (mm)	9'10" (3005)	10'11" (3330)	10'9" (3275)
SHIPPING LENGTH	D	ft.-in. (mm)	31'2" (9490)	31'4" (9540)	40'6" (12355)
SHIPPING WIDTH	E	ft.-in. (mm)	10'6" (3190)	10'10" (3290)	10'10" (3290)
COUNTER WEIGHT CLEARANCE	F	ft.-in. (mm)	3'6" (1055)	3'6" (1055)	3'6" (1055)
CABIN HEIGHT	G	ft.-in. (mm)	9'9" (2975)	9'9" (2975)	9'9" (2975)
UPPER STRUCTURE WIDTH	H	ft.-in. (mm)	8'11" (2710)	8'11" (2710)	8'11" (2710)
CABIN HEIGHT ABOVE HOUSE	I	ft.-in. (mm)	2'9" (845)	2'9" (845)	2'9" (845)
CABIN WIDTH	J	ft.-in. (mm)	3'4" (1010)	3'4" (1010)	3'4" (1010)
TUMBLER DISTANCE	K	ft.-in. (mm)	12' (3650)	12' (3650)	12' (3650)
OVERALL TRACK LENGTH	L	ft.-in. (mm)	14'7" (4445)	14'7" (4445)	14'7" (4445)
UNDERCARRIAGE WIDTH	M	ft.-in. (mm)	10'6" (3190)	10'10" (3290)	10'10" (3290)
TRACK SHOE WIDTH	N	in. (mm)	31.5" (800)	35.4" (900)	35.4" (900)
TRACK HEIGHT	O	ft.-in. (mm)	3'1" (947)	3'1" (947)	3'1" (947)
CAR BODY CLEARANCE	P	ft.-in. (mm)	1'7" (480)	1'7" (480)	1'7" (480)

DX255LC-3

BOOM TYPE	ft.-in. (mm)	EST. (2400) STD	
ARM TYPE	ft.-in. (mm)	2.02' (600) STD	
BUCKET TYPE (S&D)	ft.-in. (mm)	1.59' (480)	
TRACK TYPE		STANDARD	
TAIL SWING RADIUS	A	ft.-in. (mm)	9'10" (2995)
SHIPPING HEIGHT (BOOM)	B	ft.-in. (mm)	9'10" (2995)
SHIPPING HEIGHT (HOSE)	C	ft.-in. (mm)	11'1" (3380)
SHIPPING LENGTH	D	ft.-in. (mm)	10'6" (3200)
SHIPPING WIDTH	E	ft.-in. (mm)	11'8" (3555)
COUNTER WEIGHT CLEARANCE	F	ft.-in. (mm)	32'11" (10035)
CABIN HEIGHT	G	ft.-in. (mm)	33' (10060)
UPPER STRUCTURE WIDTH	H	ft.-in. (mm)	11'2" (3400)
CABIN HEIGHT ABOVE HOUSE	I	ft.-in. (mm)	11'6" (3500)
CABIN WIDTH	J	ft.-in. (mm)	3'8" (1110)
TUMBLER DISTANCE	K	ft.-in. (mm)	3'8" (1110)
OVERALL TRACK LENGTH	L	ft.-in. (mm)	9'9" (2970)
UNDERCARRIAGE WIDTH	M	ft.-in. (mm)	9'9" (2970)
TRACK SHOE WIDTH	N	in. (mm)	8'11" (2710)
TRACK HEIGHT	O	ft.-in. (mm)	8'11" (2710)
CAR BODY CLEARANCE	P	ft.-in. (mm)	2'9" (845)

Working Range



DX140LC-3

ROOM TYPE	Room Type	25' TRACK
ARM TYPE	Room Type	25' TRACK
BUCKET TYPE (MAG. PC)	Room Type	25' TRACK
TRACK TYPE	Room Type	25' TRACK
MAX. DIGGING REACH	A	ft.-in. (mm) 28'5" (8665)
MAX. DIGGING REACH (GROUND)	B	ft.-in. (mm) 28' (8530)
MAX. DIGGING DEPTH	C	ft.-in. (mm) 20'2" (6135)
MAX. LOADING HEIGHT	D	ft.-in. (mm) 21'2" (6440)
MIN. LOADING HEIGHT	E	ft.-in. (mm) 5'8" (1725)
MAX. DIGGING HEIGHT	F	ft.-in. (mm) 28'8" (8745)
MAX. BUCKET PIN HEIGHT	G	ft.-in. (mm) 25'1" (7655)
MAX. VERTICAL WALL DEPTH	H	ft.-in. (mm) 15'5" (4685)
MAX. RADIUS VERTICAL	I	ft.-in. (mm) 18'7" (5970)
MAX. DEPTH TO 8' LINE	J	ft.-in. (mm) 19'4" (5890)
MIN. RADIUS 8' LINE	K	ft.-in. (mm) 5' (1825)
MIN. DIGGING REACH	L	ft.-in. (mm) -9" (-225)
MIN. SWING RADIUS	M	ft.-in. (mm) 8'7" (2625)
BUCKET ANGLE (DEG)	d	Degrees 174°

DX180LC-3

ROOM TYPE	Room Type	25' TRACK
ARM TYPE	Room Type	25' TRACK
BUCKET TYPE (MAG. PC)	Room Type	25' TRACK
TRACK TYPE	Room Type	25' TRACK
MAX. DIGGING REACH	A	ft.-in. (mm) 29'11" (9180)
MAX. DIGGING REACH (GROUND)	B	ft.-in. (mm) 29'5" (8960)
MAX. DIGGING DEPTH	C	ft.-in. (mm) 20'1" (6110)
MAX. LOADING HEIGHT	D	ft.-in. (mm) 21'4" (6500)
MIN. LOADING HEIGHT	E	ft.-in. (mm) 7'10" (2380)
MAX. DIGGING HEIGHT	F	ft.-in. (mm) 30'1" (9170)
MAX. BUCKET PIN HEIGHT	G	ft.-in. (mm) 26' (7920)
MAX. VERTICAL WALL DEPTH	H	ft.-in. (mm) 16'4" (4985)
MAX. RADIUS VERTICAL	I	ft.-in. (mm) 20' (6105)
MAX. DEPTH TO 8' LINE	J	ft.-in. (mm) 19'4" (5900)
MIN. RADIUS 8' LINE	K	ft.-in. (mm) 7'10" (2380)
MIN. DIGGING REACH	L	ft.-in. (mm) 12" (315)
MIN. SWING RADIUS	M	ft.-in. (mm) 10'4" (3150)
BUCKET ANGLE (DEG)	d	Degrees 176°

DX225LC-3

ROOM TYPE	Room Type	25' TRACK	30' TRACK	35' TRACK
ARM TYPE	Room Type	25' TRACK	30' TRACK	35' TRACK
BUCKET TYPE (MAG. PC)	Room Type	25' TRACK	30' TRACK	35' TRACK
TRACK TYPE	Room Type	25' TRACK	30' TRACK	35' TRACK
MAX. DIGGING REACH	A	ft.-in. (mm) 32'5" (9885)	34'1" (10390)	50'6" (15380)
MAX. DIGGING REACH (GROUND)	B	ft.-in. (mm) 31'10" (9710)	33'6" (10220)	50'1" (15265)
MAX. DIGGING DEPTH	C	ft.-in. (mm) 21'7" (6585)	23'7" (7190)	38'3" (11650)
MAX. LOADING HEIGHT	D	ft.-in. (mm) 22'5" (6840)	22'11" (6980)	35'7" (10845)
MIN. LOADING HEIGHT	E	ft.-in. (mm) 8'2" (2500)	6'3" (1900)	6'3" (1900)
MAX. DIGGING HEIGHT	F	ft.-in. (mm) 31'4" (9560)	31'8" (9660)	42'11" (13075)
MAX. BUCKET PIN HEIGHT	G	ft.-in. (mm) 27'3" (8295)	27'8" (8440)	39'7" (12075)
MAX. VERTICAL WALL DEPTH	H	ft.-in. (mm) 18'5" (5625)	19'7" (5975)	31'10" (9710)
MAX. RADIUS VERTICAL	I	ft.-in. (mm) 20'11" (6380)	22'1" (6740)	33' (10065)
MAX. DEPTH TO 8' LINE	J	ft.-in. (mm) 21' (6400)	23' (7020)	37'11" (11550)
MIN. RADIUS 8' LINE	K	ft.-in. (mm) 9'4" (2855)	9'3" (2825)	15'11" (4850)
MIN. DIGGING REACH	L	ft.-in. (mm) 1'8" (510)	-9" (-230)	6" (155)
MIN. SWING RADIUS	M	ft.-in. (mm) 11'9" (3580)	11'11" (3620)	16'3" (4960)
BUCKET ANGLE (DEG)	d	Degrees 177°	177°	177°

DX255LC-3

ROOM TYPE	Room Type	25' TRACK
ARM TYPE	Room Type	25' TRACK
BUCKET TYPE (MAG. PC)	Room Type	25' TRACK
TRACK TYPE	Room Type	25' TRACK
MAX. DIGGING REACH	A	ft.-in. (mm) 33'5" (10175)
MAX. DIGGING REACH (GROUND)	B	ft.-in. (mm) 32'10" (9995)
MAX. DIGGING DEPTH	C	ft.-in. (mm) 22'4" (6810)
MAX. LOADING HEIGHT	D	ft.-in. (mm) 23'1" (7025)
MIN. LOADING HEIGHT	E	ft.-in. (mm) 8'6" (2600)
MAX. DIGGING HEIGHT	F	ft.-in. (mm) 31'10" (9705)
MAX. BUCKET PIN HEIGHT	G	ft.-in. (mm) 27'11" (8500)
MAX. VERTICAL WALL DEPTH	H	ft.-in. (mm) 17'1" (5200)
MAX. RADIUS VERTICAL	I	ft.-in. (mm) 23'8" (7225)
MAX. DEPTH TO 8' LINE	J	ft.-in. (mm) 21'9" (6630)
MIN. RADIUS 8' LINE	K	ft.-in. (mm) 9'9" (2960)
MIN. DIGGING REACH	L	ft.-in. (mm) 2'3" (690)
MIN. SWING RADIUS	M	ft.-in. (mm) 12'2" (3720)
BUCKET ANGLE (DEG)	d	Degrees 174°

Specifications

Digging Force (ISO)

DX140LC-3

MODE (PCSA)	REAR (kg)	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD
DIGGING FORCE	lbf.	24,471	24,471	24,471
	kgf	11 100	11 100	11 100
	kN	109	109	109
ARM	ARM SIDE <th>0.9MP (900 mm) STD</th> <td></td> <td></td>	0.9MP (900 mm) STD		
DIGGING FORCE	lbf.	13,228		
	kgf	6000		
	kN	59		

DX180LC-3

MODE (PCSA)	REAR (kg)	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD
DIGGING FORCE	lbf.	28,881	28,881	28,881
	kgf	13 100	13 100	13 100
	kN	128	128	128
ARM	ARM SIDE <th>0.9MP (900 mm) STD</th> <th>0.9MP (900 mm) STD</th> <td></td>	0.9MP (900 mm) STD	0.9MP (900 mm) STD	
DIGGING FORCE	lbf.	20,503	18,960	
	kgf	9300	8600	
	kN	91	84	

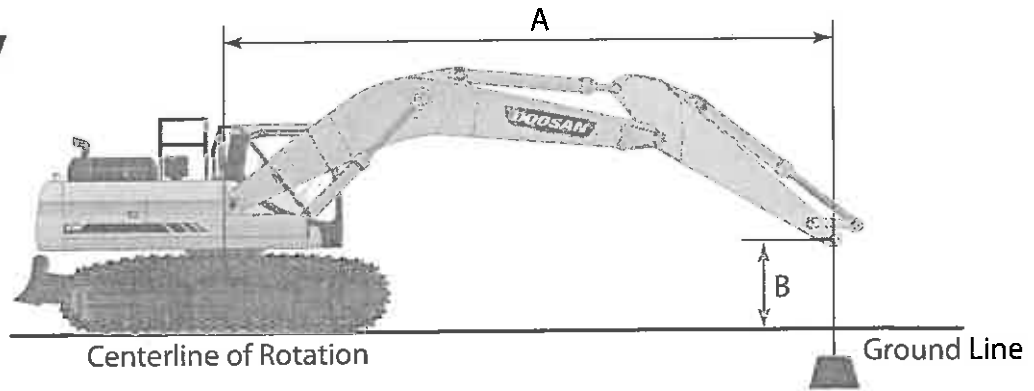
DX225LC-3

MODE (PCSA)	REAR (kg)	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD
DIGGING FORCE	lbf.	33,510	33,510	33,510	22,046
	kgf	15 200	15 200	15 200	10 000
	kN	149	149	149	98
ARM	ARM SIDE <th>0.9MP (900 mm) STD</th> <th>1.1MP (1100 mm) STD</th> <th>1.0MP (1000 mm) STD</th> <td></td>	0.9MP (900 mm) STD	1.1MP (1100 mm) STD	1.0MP (1000 mm) STD	
DIGGING FORCE	lbf.	23,810	21,385	13,228	
	kgf	10 800	9700	6000	
	kN	106	95	59	

DX255LC-3

MODE (PCSA)	REAR (kg)	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD	1.4MP (1400 mm) STD
DIGGING FORCE	lbf.	39,463	39,463	39,463
	kgf	17 900	17 900	17 900
	kN	176	176	176
ARM	ARM SIDE <th>0.9MP (900 mm) STD</th> <th>1.1MP (1100 mm) STD</th> <td></td>	0.9MP (900 mm) STD	1.1MP (1100 mm) STD	
DIGGING FORCE	lbf.	28,219	25,794	
	kgf	12 800	11 700	
	kN	126	115	

Lifting Capacity



DX140LC-3

Track Width: 8'6" (2590 mm) STD TRACK
 Boom: 15'1" (4600 mm)
 Arm: 9'10" (3000 mm)

Bucket: None
 Track Shoe Width: 23.6" (600 mm)
 Counter Weight: 4,850 lb (2200 kg)

Blade: None
 Unit: 1,000 lb (1000 kg)

Load Radius Over Front
 Load Radius Over Side

Feet

B ft	A ft	5		10		15		20		MAX F	MAX S	MAX REACH
												A ft
25										5.46 *	5.46 *	Max. at(ft) 13.62
20										4.53 *	4.53 *	Max. at(ft) 19.15
15						7.33 *	7.33 *	6.80 *	5.27	4.27 *	4.27 *	Max. at(ft) 22.25
10				11.55 *	11.55 *	9.48 *	8	7.92	5.1	4.30 *	3.78	Max. at(ft) 23.91
5				19.10 *	13.61	11.99	7.42	7.65	4.85	4.58 *	3.55	Max. at(ft) 24.44
0 (GROUND)				19.28 *	12.53	11.47	6.97	7.42	4.64	5.16 *	3.59	Max. at(ft) 23.91
-5		11.63 *	11.63 *	22.94	12.39	11.23	6.76	7.3	4.54	6.29	3.93	Max. at(ft) 22.25
-10		18.43 *	18.43 *	22.47 *	12.54	11.27	6.79			7.86	4.89	Max. at(ft) 19.14
-15				16.80 *	13.08					11.82 *	8.24	Max. at(ft) 13.59

Metric

B m	A m	1.5		3		4.5		6		MAX F	MAX S	MAX REACH
												A m
7.5										2.42 *	2.42 *	Max. at(m) 4.34
6										2.04 *	2.04 *	Max. at(m) 5.91
4.5						3.34 *	3.34 *	3.20 *	2.45	1.94 *	1.94 *	Max. at(m) 6.81
3				5.40 *	5.40 *	4.37 *	3.71	3.68	2.37	1.95 *	1.71	Max. at(m) 7.30
1.5				8.89 *	6.32	5.57	3.44	3.55	2.25	2.08 *	1.61	Max. at(m) 7.45
0 (GROUND)				8.35 *	5.87	5.33	3.23	3.44	2.15	2.34 *	1.63	Max. at(m) 7.29
-1.5		5.20 *	5.20 *	10.12 *	5.77	5.22	3.14	3.39	2.1	2.85	1.78	Max. at(m) 6.79
-3		8.20 *	8.20 *	10.39 *	5.83	5.24	3.15			3.53	2.2	Max. at(m) 5.87
-4.5				7.93 *	6.07					5.35 *	3.59	Max. at(m) 4.25

*Hydraulically Limited

- Load point is the end of the arm.
- Capacities marked with an asterisk (*) are limited by hydraulic capacities.
- Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- The least stable position is over the side.
- Lift capacities are in compliance with ISO 10567.

Specifications



Lifting Capacity

DX180LC-3













Track Width: 9'6" (2900 mm) STD TRACK
 Boom: 17'1" (5200 mm)
 Arm: 8'6" (2600 mm)

Bucket: None
 Track Shoe Width: 27.5" (700 mm)
 Counter Weight: 7,275 lb (3300 kg)













Blade: None
 Unit: 1,000 lb (1000 kg)

 Load Radius Over Front
 Load Radius Over Side

Feet

A ft \ B ft		5		10		15		20		25		MAX REACH		A ft
														
25												7.56 *	7.56 *	Max. at(ft) 16.37
20								9.12 *	8.19			6.56 *	6.56 *	Max. at(ft) 20.99
15						12.11 *	12.11 *	10.83 *	8.06			6.26 *	6.05	Max. at(ft) 23.71
10						16.79	11.05	11.23	7.72	6.93 *	5.43	6.31 *	5.38	Max. at(ft) 25.13
5						16.79	11.05	10.82	7.35	7.75	5.29	6.68 *	5.14	Max. at(ft) 25.49
0 (GROUND)						15.18 *	15.18 *	16.23	10.56	10.53	7.08	7.45 *	5.24	Max. at(ft) 24.84
-5		14.88 *	14.88 *	25.14 *	19.67	16.08	10.43	10.43	6.99			8.56	5.8	Max. at(ft) 23.07
-10		25.60 *	25.60 *	22.84 *	20.06	16.23 *	10.59					10.69	7.21	Max. at(ft) 19.93
-15				14.38 *	14.38 *							9.52 *	9.52 *	Max. at(ft) 14.42

Metric

A m \ B m		1.5		3		4.5		6		7.5		MAX REACH		A m		
																
7.5												3.37 *	3.37 *	Max. at(m) 5.13		
6								4.50 *	3.82			2.96 *	2.96 *	Max. at(m) 6.47		
4.5						5.58 *	5.58 *	4.95 *	3.75			2.84 *	2.72	Max. at(m) 7.25		
3						10.79 *	10.29	6.92 *	5.51	5.21	3.58	3.67	2.53	2.87 *	2.43	Max. at(m) 7.67
1.5						7.8	5.12	5.02	3.41	3.6	2.46	3.03 *	2.33	Max. at(m) 7.77		
0 (GROUND)						6.61 *	6.61 *	7.55	4.9	4.89	3.28	3.55	2.41	3.38 *	2.38	Max. at(m) 7.57
-1.5		6.65 *	6.65 *	11.04 *	9.17	7.48	4.84	4.84	3.24			3.87	2.62	Max. at(m) 7.05		
-3		11.39 *	11.39 *	10.56 *	9.35	7.53 *	4.91	4.92	3.31			4.8	3.24	Max. at(m) 6.11		
-4.5				6.85 *	6.85 *	4.44 *	4.44 *					4.40 *	4.40 *	Max. at(m) 4.51		



*Hydraulically Limited

Lifting Capacity













Track Width: 9'6" (2900 mm) STD TRACK
 Boom: 17'1" (5200 mm)
 Arm: 16'2" (3100 mm)

Bucket: None
 Track Shoe Width: 27.5" (700 mm)
 Counter Weight: 7.275 lb (3300 kg)













Blade: None
 Unit: 1,000 lb (1000 kg)

 Load Radius Over Front
 Load Radius Over Side

Feet

B ft	A ft	5		10		15		20		25		MAX REACH		
														A ft
25												6.90 *	6.90 *	Max. at(ft) 18.13
20								9.26 *	8.39			6.23 *	6.23 *	Max. at(ft) 22.42
15								9.98 *	8.2			6.07 *	5.64	Max. at(ft) 24.95
10				19.92 *	19.92 *	13.74 *	12.15	11.25 *	7.83	7.98	5.5	6.22 *	5.04	Max. at(ft) 26.31
5				19.16 *	19.16 *	16.83 *	11.22	10.9	7.41	7.78	5.31	6.65 *	4.8	Max. at(ft) 26.66
0 (GROUND)				18.29 *	18.29 *	16.29 *	10.6	10.54	7.08	7.62	5.16	7.19	4.87	Max. at(ft) 26.03
-5		14.93 *	14.93 *	25.22 *	19.46	16.02	10.36	10.37	6.92			7.86	5.31	Max. at(ft) 24.36
-10		23.41 *	23.41 *	24.91 *	19.74	16.09	10.42	10.44	6.99			9.51	6.41	Max. at(ft) 21.40
-15				18.04 *	18.04 *	12.39 *	10.85					10.72 *	9.56	Max. at(ft) 16.45

Metric

B m	A m	1.5		3		4.5		6		7.5		MAX REACH		
														A m
7.5												3.09 *	3.09 *	Max. at(m) 5.67
6								4.28 *	3.91			2.82 *	2.82 *	Max. at(m) 6.90
4.5								4.57 *	3.81	3.24 *	2.62	2.75 *	2.54	Max. at(m) 7.64
3				9.33 *	9.33 *	6.36 *	5.63	5.18 *	3.63	3.71	2.56	2.82 *	2.28	Max. at(m) 8.03
1.5				8.07 *	8.07 *	7.79 *	5.2	5.06	3.44	3.61	2.47	3.02 *	2.18	Max. at(m) 8.12
0 (GROUND)				8.00 *	8.00 *	7.58	4.92	4.89	3.28	3.54	2.39	3.26	2.21	Max. at(m) 7.93
-1.5		6.69 *	6.69 *	11.10 *	9.07	7.45	4.81	4.81	3.21			3.55	2.4	Max. at(m) 7.44
-3		10.43 *	10.43 *	11.52 *	9.2	7.48	4.84	4.84	3.23			4.28	2.88	Max. at(m) 6.56
-4.5				8.48 *	8.48 *	5.90 *	5.02					4.88 *	4.22	Max. at(m) 5.10

*Hydraulically Limited

Specifications



Lifting Capacity

DX225LC-3













Track Width: 10'6" (3190 mm) STD TRACK
 Boom: 18'8" (5700 mm)
 Arm: 9'6" (2900 mm)

Bucket: None
 Track Shoe Width: 31.5" (800 mm)
 Counter Weight: 9,480 lb (4300 kg)













Blade: None
 Unit: 1,000 lb (1000 kg)

 Load Radius Over Front
 Load Radius Over Side

Feet

B ft	A ft	5		10		15		20		25		MAX REACH		A ft
														
25								9.54 *	9.54 *			9.47 *	9.47 *	Max. at(ft) 20.06
20								11.82 *	11.71 *			8.78 *	8.69	Max. at(ft) 23.85
15								12.87 *	11.36	11.80 *	7.95	8.63 *	7.35	Max. at(ft) 26.16
10						18.69 *	16.56	14.61 *	10.83	12.02	7.74	8.85 *	6.7	Max. at(ft) 27.37
5						22.20 *	15.45	16.36 *	10.3	11.75	7.49	9.45 *	6.46	Max. at(ft) 27.63
0 (GROUND)				14.12 *	14.12 *	23.91 *	14.84	16.02	9.93	11.55	7.31	10.38	6.59	Max. at(ft) 26.96
-5		15.04 *	15.04 *	24.10 *	24.10 *	23.69 *	14.68	15.85	9.78	11.51	7.27	11.34	7.17	Max. at(ft) 25.29
-10		25.68 *	25.68 *	30.06 *	28.74	21.54 *	14.84	15.90 *	9.89			13.41 *	8.57	Max. at(ft) 22.38
-15				22.50 *	22.50 *	16.28 *	15.39					12.96 *	12.26	Max. at(ft) 17.66



Metric

B m	A m	1.5		3		4.5		6		7.5		MAX REACH		A m
														
7.5								4.95 *	4.95 *			4.26 *	4.26 *	Max. at(m) 6.22
6								5.38 *	5.38 *			3.97 *	3.89	Max. at(m) 7.32
4.5								5.91 *	5.27	5.46 *	3.7	3.91 *	3.32	Max. at(m) 8.00
3						8.67 *	7.67	6.73 *	5.02	5.59	3.59	4.02 *	3.03	Max. at(m) 8.35
1.5						10.28 *	7.16	7.55 *	4.77	5.46	3.47	4.29 *	2.93	Max. at(m) 8.42
0 (GROUND)				6.16 *	6.16 *	11.04 *	6.89	7.44	4.6	5.36	3.39	4.71	2.99	Max. at(m) 8.22
-1.5		6.73 *	6.73 *	10.62 *	10.62 *	10.92 *	6.82	7.36	4.54	5.34	3.37	5.13	3.25	Max. at(m) 7.72
-3		11.44 *	11.44 *	13.87 *	13.41	9.96 *	6.89	7.40 *	4.58			6.08 *	3.86	Max. at(m) 6.86
-4.5				10.53 *	10.53 *	7.68 *	7.13					5.90 *	5.43	Max. at(m) 5.47

*Hydraulically Limited

Lifting Capacity

DX225LC-3

Track Width: 10'10" (3290 mm) STD TRACK	Bucket: None	Blade: None	 Load Radius Over Front  Load Radius Over Side
Boom: 18'8" (5700 mm)	Track Shoe Width: 35.4" (900 mm)		
Arm: 11'6" (3500 mm)	Counter Weight: 11,684 lb (5300 kg)	Unit: 1,000 lb (1000 kg)	

Feet

B ft	A ft	5		10		15		20		25		MAX REACH		A ft
25												7.93 *	7.93 *	Max. at(ft) 22.26
20										8.81 *	8.81 *	7.47 *	7.47 *	Max. at(ft) 25.74
15								11.61 *	11.61 *	10.92 *	9.09	7.39 *	7.39 *	Max. at(ft) 27.90
10				25.15 *	25.15 *	16.77 *	16.77 *	13.46 *	12.33	11.78 *	8.81	7.60 *	6.96	Max. at(ft) 29.03
5						20.70 *	17.64	15.43 *	11.71	12.77 *	8.5	8.11 *	6.73	Max. at(ft) 29.28
0 (GROUND)				16.31 *	16.91 *	23.15 *	16.81	16.90 *	11.24	12.81	8.25	9.01 *	6.83	Max. at(ft) 28.65
-5	14.66 *	14.66 *	23.61 *	23.61 *	23.70 *	16.48	17.42 *	11	12.68	8.13	10.60 *	7.33	10.60 *	Max. at(ft) 27.08
-10	22.80 *	22.80 *	32.36 *	31.82	22.41 *	16.52	16.58 *	11				12.69 *	8.48	Max. at(ft) 24.41
-15	33.63 *	33.63 *	26.25 *	26.25 *	18.68 *	16.91	13.08 *	11.35				12.87 *	11.24	Max. at(ft) 20.16

Metric

B m	A m	1.5		3		4.5		6		7.5		MAX REACH		A m
7.5												3.57 *	3.57 *	Max. at(m) 6.89
6										4.33 *	4.3	3.38 *	3.38 *	Max. at(m) 7.90
4.5								5.33 *	5.33 *	4.99 *	4.22	3.36 *	3.36 *	Max. at(m) 8.53
3				11.79 *	11.79 *	7.77 *	7.77 *	6.20 *	5.71	5.40 *	4.09	3.46 *	3.15	Max. at(m) 8.86
1.5						9.58 *	8.18	7.12 *	5.43	5.87 *	3.95	3.68 *	3.05	Max. at(m) 8.92
-1.5	6.57 *	6.57 *	10.43 *	10.43 *	10.94 *	7.65	8.04 *	5.1	5.88	3.77		4.80 *	3.32	Max. at(m) 8.26
-3	10.17 *	10.17 *	14.94 *	14.85	10.36 *	7.67	7.68 *	5.1				5.75 *	3.83	Max. at(m) 7.47
-4.5	14.90 *	14.90 *	12.22 *	12.22 *	8.72 *	7.84	6.23 *	5.24				5.84 *	5.01	Max. at(m) 6.22

*Hydraulically Limited

Specifications

Lifting Capacity

DX225LC-3 SLR

Track Width: 10'10" (3290 mm) STD TRACK	Bucket: None	Blade: None	Load Radius Over Front Load Radius Over Side
Boom: 27'10" (8500 mm)	Track Shoe Width: 35.4" (900 mm)	Unit: 1,000 lb (500 kg)	
Arm: 20'4" (6200 mm)	Counter Weight: 11,684 lb (5300 kg)		

Feet

B ft \ A ft	5		10		15		20		25	
35										
30										
25										
20										
15										
10			21.84 *	21.84 *	13.42 *	13.42 *	10.07 *	10.07 *	8.28 *	8.28 *
5					17.04 *	15.65	12.05 *	10.61	9.49 *	7.77
0 (GROUND)			8.41 *	8.41 *	16.84 *	14.11	13.62 *	9.66	10.53 *	7.16
-5	8.00 *	8.00 *	10.12 *	10.12 *	16.14 *	13.39	14.61 *	9.05	11.23	6.72
-10	10.18 *	10.18 *	12.31 *	12.31 *	17.57 *	13.14	15.01 *	8.74	10.94	6.45
-15	12.46 *	12.46 *	14.82 *	14.82 *	19.93 *	13.19	14.88 *	8.66	10.82	6.35
-20	14.93 *	14.93 *	17.73 *	17.73 *	18.68 *	13.43	14.21 *	8.76	10.86	6.38
-25	17.68 *	17.68 *	21.21 *	21.21 *	16.65 *	13.88	12.87 *	9.02	10.27 *	6.57
-30			18.14 *	18.14 *	13.52 *	13.52 *	10.58 *	9.48	8.30 *	6.95

Metric

B m \ A m	1.5		3		4.5		6		7.5	
12										
10.5										
9										
7.5										
6										
4.5										
3			9.26 *	9.26 *	6.25 *	6.25 *	4.66 *	4.66 *	3.82 *	3.82 *
1.5					7.91 *	7.24	5.58 *	4.91	4.38 *	3.6
0 (GROUND)			3.74 *	3.74 *	7.36 *	5.54	6.30 *	4.47	4.86 *	3.32
-1.5	3.61 *	3.61 *	4.53 *	4.53 *	7.13 *	6.21	6.75 *	4.2	5.21 *	3.12
-3	4.58 *	4.58 *	5.50 *	5.50 *	7.78 *	6.11	6.93 *	4.06	5.08	2.99
-4.5	5.59 *	5.59 *	6.62 *	6.62 *	8.89 *	6.12	6.87 *	4.02	5.02	2.94
-6	6.69 *	6.69 *	7.90 *	7.90 *	8.64 *	6.24	6.57 *	4.06	5.04	2.96
-7.5	7.90 *	7.90 *	9.42 *	9.42 *	7.75 *	6.43	5.99 *	4.17	4.79 *	3.04
-9			8.57 *	8.57 *	6.37 *	6.37 *	5.00 *	4.38	3.96 *	3.2

*Hydraulically Limited

30		35		40		45		MAX REACH		A ft
		2.77 *	2.77 *					1.89 *	1.89 *	Max. at(ft) 36.24
		4.33 *	4.33 *					1.78 *	1.78 *	Max. at(ft) 39.72
		5.17 *	5.17 *	3.46 *	3.46 *			1.72 *	1.72 *	Max. at(ft) 42.37
		5.56 *	5.46	4.54 *	4.2			1.70 *	1.70 *	Max. at(ft) 44.27
6.43 *	6.43 *	5.97 *	5.22	5.41 *	4.05	2.30 *	2.30 *	1.73 *	1.73 *	Max. at(ft) 45.54
7.19 *	6.38	6.46 *	4.93	5.96 *	3.87	3.10 *	3.05	1.79 *	1.79 *	Max. at(ft) 45.25
7.96 *	5.93	6.97 *	4.64	6.05	3.69	3.46 *	2.95	1.89 *	1.89 *	Max. at(ft) 46.40
8.67 *	5.53	7.19	4.38	5.87	3.52	3.32 *	2.85	2.04 *	2.04 *	Max. at(ft) 46.00
8.68	5.22	6.97	4.16	5.73	3.38	2.33 *	2.33 *	2.24 *	2.24 *	Max. at(ft) 45.06
8.46	5.02	6.82	4.03	5.65	3.3			2.55 *	2.55 *	Max. at(ft) 43.49
8.37	4.93	6.76	3.97	5.32 *	3.3			2.99 *	2.99 *	Max. at(ft) 41.29
8.4	4.96	6.82	4.03					3.69 *	3.6	Max. at(ft) 38.28
8.25 *	5.13							4.94 *	4.35	Max. at(ft) 34.31
								6.57 *	5.79	Max. at(ft) 28.91

9		10.5		12		13.5		MAX REACH		A m
								0.94 *	0.94 *	Max. at(m) 9.81
		1.50 *	1.50 *					0.85 *	0.85 *	Max. at(m) 11.17
		2.07 *	2.07 *	1.05 *	1.05 *			0.80 *	0.80 *	Max. at(m) 12.19
		2.40 *	2.40 *	1.76 *	1.76 *			0.78 *	0.78 *	Max. at(m) 12.97
		2.54 *	2.54 *	2.20 *	1.96	0.81 *	0.81 *	0.77 *	0.77 *	Max. at(m) 13.52
2.96 *	2.96 *	2.74 *	2.43	2.58 *	1.89	1.36 *	1.36 *	0.78 *	0.78 *	Max. at(m) 13.90
3.31 *	2.96	2.97 *	2.3	2.73 *	1.81	1.69 *	1.43	0.81 *	0.81 *	Max. at(m) 14.10
3.67 *	2.75	3.21 *	2.16	2.82	1.72	1.87 *	1.38	0.86 *	0.86 *	Max. at(m) 14.14
4.00 *	2.57	3.34	2.04	2.73	1.64	1.86 *	1.33	0.92 *	0.92 *	Max. at(m) 14.02
4.03	2.42	3.23	1.94	2.66	1.57	1.52 *	1.3	1.02 *	1.02 *	Max. at(m) 13.74
3.93	2.33	3.16	1.87	2.62	1.53			1.15 *	1.15 *	Max. at(m) 13.27
3.88	2.29	3.14	1.84	2.61	1.53			1.35 *	1.35 *	Max. at(m) 12.62
3.89	2.3	3.16	1.86					1.65 *	1.62	Max. at(m) 11.73
3.87 *	2.37	2.47 *	1.95					2.18 *	1.94	Max. at(m) 10.57
2.99 *	2.53							2.99 *	2.54	Max. at(m) 9.00

Specifications



Lifting Capacity

EX255LC-3













Track Width: 11'2" (3400 mm) STD TRACK
 Boom: 19'4" (5900 mm)
 Arm: 9'10" (3000 mm)

Bucket: None
 Track Shoe Width: 31.5" (800 mm)
 Counter Weight: 11,023 lb (5000 kg)













Blade: None
 Unit: 1,000 lb (1000 kg)

 Load Radius Over Front
 Load Radius Over Side

Feet

B ft \ A ft	5		10		15		20		25		MAX REACH		A ft
													
25							13.85 *	13.85 *			10.90 *	10.90 *	Max. at(ft) 21.44
20							14.34 *	14.34 *			10.25 *	10.25 *	Max. at(ft) 24.99
15							15.89 *	14.83	14.61 *	10.47	10.15 *	9.13	Max. at(ft) 27.17
10					23.51 *	21.67	18.19 *	14.16	15.07	10.17	10.45 *	8.39	Max. at(ft) 28.31
5					27.90 *	20.32	20.45 *	13.51	14.72	9.85	11.17 *	8.13	Max. at(ft) 28.53
0 (GROUND)			15.59 *	15.59 *	29.97 *	19.62	20.11 *	13.06	14.46	9.61	12.4	8.3	Max. at(ft) 27.85
-5	17.43 *	17.43 *	26.82 *	26.82 *	29.76 *	19.44	19.9	12.87	14.38	9.54	13.48	8.98	Max. at(ft) 26.21
-10	29.10 *	29.10 *	38.11 *	38.11 *	27.39 *	19.62	20.01	12.97			15.99	10.58	Max. at(ft) 23.38
-15			29.69 *	29.69 *	21.78 *	20.19					16.28 *	14.61	Max. at(ft) 18.85



Metric

B m \ A m	1.5		3		4.5		6		7.5		MAX REACH		A m
													
7.5							6.42 *	6.42 *			4.91 *	4.91 *	Max. at(m) 6.64
6							6.55 *	6.55 *	5.44 *	4.94	4.64 *	4.64 *	Max. at(m) 7.67
4.5							7.31 *	6.88	6.68 *	4.87	4.61 *	4.12	Max. at(m) 8.31
3					10.92 *	10.05	8.39 *	6.56	7	4.72	4.75 *	3.8	Max. at(m) 8.64
1.5					12.92 *	9.43	9.44 *	6.26	6.83	4.57	5.07 *	3.69	Max. at(m) 8.70
0 (GROUND)			6.81 *	6.81 *	13.84 *	9.11	9.35	6.05	6.71	4.46	5.62	3.76	Max. at(m) 8.49
-1.5	7.80 *	7.80 *	11.84 *	11.84 *	13.72 *	9.03	9.25	5.97	6.67	4.42	6.11	4.07	Max. at(m) 8.00
-3	12.98 *	12.98 *	17.57 *	17.57 *	12.66 *	9.11	9.29	6.01			7.19	4.76	Max. at(m) 7.17
-4.5			13.84 *	13.84 *	10.20 *	9.36					7.41 *	6.48	Max. at(m) 5.83













Track Width: 11'6" (3500 mm) STD TRACK
 Boom: 19'4" (5900 mm)
 Arm: 11'5" (3500 mm)

Bucket: None
 Track Shoe Width: 35.4" (900 mm)
 Counter Weight: 11,023 lb (5000 kg)













Blade: None
 Unit: 1,000 lb (1000 kg)

 Load Radius Over Front
 Load Radius Over Side

Feet

B ft \ A ft	5		10		15		20		25		MAX REACH		A ft
													
25											9.82 *	9.82 *	Max. at(ft) 23.29
20									12.29 *	10.96	9.34 *	9.34 *	Max. at(ft) 26.60
15							14.77 *	14.77 *	13.75 *	10.76	9.29 *	8.6	Max. at(ft) 28.65
10					21.73 *	21.73 *	17.20 *	14.54	14.93 *	10.42	9.57 *	7.96	Max. at(ft) 29.74
5					26.62 *	20.91	19.70 *	13.83	15	10.06	10.20 *	7.72	Max. at(ft) 29.95
0 (GROUND)			17.88 *	17.88 *	29.49 *	20	20.46	13.3	14.69	9.77	11.30 *	7.84	Max. at(ft) 29.30
-5	16.73 *	16.73 *	26.13 *	26.13 *	30.06 *	19.65	20.15	13.03	14.53	9.62	12.57	8.4	Max. at(ft) 27.74
-10	26.24 *	26.24 *	38.23 *	38.23 *	28.48 *	19.71	20.15	13.03	14.62	9.7	14.55	9.66	Max. at(ft) 25.09
-15	38.66 *	38.66 *	33.64 *	33.64 *	24.17 *	20.13	17.49 *	13.37			16.16 *	12.59	Max. at(ft) 20.96

Metric

B m \ A m	1.5		3		4.5		6		7.5		9		MAX REACH		A m
															
7.5											4.43 *	4.43 *	Max. at(m) 7.19		
6									5.86 *	5.1	4.23 *	4.23 *	Max. at(m) 8.16		
4.5							6.79 *	6.79 *	6.29 *	5	4.22 *	3.88	Max. at(m) 8.76		
3					10.08 *	10.08 *	7.93 *	6.74	6.85 *	4.84	4.72 *	3.65	4.35 *	3.6	Max. at(m) 9.07
1.5					12.33 *	9.7	9.09 *	6.41	6.97	4.67	5.31	3.58	4.63 *	3.5	Max. at(m) 9.13
0 (GROUND)			7.85 *	7.85 *	13.62 *	9.28	9.51	6.17	6.82	4.53		5.13 *	3.56	Max. at(m) 8.93	
-1.5	7.50 *	7.50 *	11.55 *	11.55 *	13.87 *	9.13	9.37	6.04	6.74	4.46		5.69	3.8	Max. at(m) 8.47	
-3	11.71 *	11.71 *	16.85 *	16.85 *	13.16 *	9.16	9.36	6.04	6.77	4.49		6.56	4.36	Max. at(m) 7.68	
-4.5	17.14 *	17.14 *	15.64 *	15.64 *	11.26 *	9.34	8.25 *	6.18				7.33 *	5.61	Max. at(m) 6.46	

*Hydraulically Limited

Standard/Optional Equipment

- Standard Equipment
- Optional Equipment
- N/A

ENGINE	IT4	IT4	IT4	IT4
Emissions (EPA)	*	*	*	*
Cooled Exhaust Gas Recirculation (CEGR)	*	*	*	*
Diesel Particulate Filter (DPF)	*	*	*	*
High Pressure Common Rail (HPCR)	*	*	*	*
Fuel Filter with Water Separator	*	*	*	*
Coolant Recovery tank	*	*	*	*
Dual Element dry-type air filter with Evacuator	*	*	*	*
Pre Cleaner	*	*	*	*
Electronic Engine Control	*	*	*	*
Auto-Idle	*	*	*	*
Overheat & Low Oil Pressure Engine Protection	*	*	*	*
Variable Speed Radiator Cooling Fan	*	*	*	*
Diesel Powered Coolant Heater	*	*	*	*
HYDRAULIC				
Electronic Power Optimizing System (EPOS)	*	*	*	*
Variable Axial Piston Main Pump (Tandem)	*	*	*	*
Cross Sensing Pump Control	*	*	*	*
Pilot Operated Control Valves	*	*	*	*
Gear Pilot Pump	*	*	*	*
Axial Piston Swing Motor	*	*	*	*
Spring Applied Hydraulic Release Brake	*	*	*	*
Axial Piston Travel Motor (High/Low, Auto)	*	*	*	*
Auxiliary Hydraulics, One-Way	*	*	*	*
Auxiliary Hydraulics, Two-Way	*	*	*	*
Adjustable Auxiliary Flow & Pressure, 10 Presets	*	*	*	*
Intelligent Floating Boom	*	*	*	*
Boom Lock Valve	*	*	*	*
CABIN				
Steel, All-Weather & Sound Suppressed	*	*	*	*
ROPS (ISO 12117-2:2008)	*	*	*	*
Viscous Mount	*	*	*	*
Front Window with Wiper/Washer	*	*	*	*
Tinted Safety Glass	*	*	*	*
Sky-light	*	*	*	*
visor, Front Window and Skylight	*	*	*	*
Push Up Type Top Front Window	*	*	*	*
Removable Lower Front Window with Storage Behind Seat	*	*	*	*
Adjustable Sliding Side Door Windows	*	*	*	*
Defrost, Front Window	*	*	*	*
Lockable Doors	*	*	*	*
Seat				
- Heated	*	*	*	*
- Air Suspension	*	*	*	*
- 2" (51 mm) Seat Belt	*	*	*	*
- Adjustable Height & Recline	*	*	*	*
- Adjustable Arm Rests	*	*	*	*
3" (76 mm) Seat Belt	*	*	*	*
Control Stands				
- Height adjustable	*	*	*	*
- Mounted to Seat Base	*	*	*	*
Storage for Operator's Manuals	*	*	*	*
Mirrors	*	*	*	*
Fullly Automatic HVAC w/ ambient temperature sensor	*	*	*	*
7" Multi-Function LCD	*	*	*	*
Cigarette Lighter	*	*	*	*
AM/FM Stereo with CD Player & MP3 port	*	*	*	*
Speakers (2)	*	*	*	*
Antenna, Roof Mounted	*	*	*	*
Emergency Breakout Tool	*	*	*	*
Hot/Cold Beverage Compartment	*	*	*	*
Power Socket, 12V	*	*	*	*
Beverage Holder	*	*	*	*
Interior Light	*	*	*	*
Coat Hanger	*	*	*	*
Rain Shield	*	*	*	*
Guard, FOGS	*	*	*	*
Guard, front window guard	*	*	*	*
Vandalism Window Covers	*	*	*	*
ELECTRICAL				
Alternator - 24V, 60 Amp	*	*	*	*
Alternator - 24V, 80 Amp	*	*	*	*
2 x 12V Batteries, 100 AH Reserve Capacity	*	*	*	*
2 x 12V Batteries, 150 AH Reserve Capacity	*	*	*	*
Blade Type Fuse Panel	*	*	*	*
Main Circuit Breaker	*	*	*	*
Light, Work (Halogen): Machine (2), Boom (2)	*	*	*	*
Light, Work (Halogen): Cabin (2)	*	*	*	*
Light, Work (Halogen): Cabin (4 Front, 2 Rear)	*	*	*	*

ELECTRICAL (CONT.)				
Rotating Beacon	*	*	*	*
Hour Meter	*	*	*	*
Engine Restart Prevention System	*	*	*	*
Rear View Camera	*	*	*	*
Laptop Service Port	*	*	*	*
Self-Diagnostics System	*	*	*	*
Telematics	*	*	*	*
DISPLAY MONITOR & WARNINGS				
Buzzer	*	*	*	*
- Engine Oil Pressure	*	*	*	*
- Coolant Temperature	*	*	*	*
Gauges				
- Engine Coolant Temperature	*	*	*	*
- Fuel Level	*	*	*	*
- Hydraulic Oil Temperature	*	*	*	*
- Engine RPM	*	*	*	*
- Battery Voltage	*	*	*	*
- Hydraulic Pump Pressure	*	*	*	*
Warning & Indicator Lights				
- Engine Coolant Temperature	*	*	*	*
- Fuel Level	*	*	*	*
- Hydraulic Oil Temperature	*	*	*	*
- ECO	*	*	*	*
- Digital Clock	*	*	*	*
- Warning & Indicator Lights	*	*	*	*
- Hydraulic Oil Temperature - High	*	*	*	*
- Fuel Level - Low	*	*	*	*
- Air Filter - Clogged	*	*	*	*
- Hydraulic Pilot Filter - Clogged	*	*	*	*
- Hydraulic Return Filter - Clogged	*	*	*	*
- Check Engine	*	*	*	*
- Engine Oil Pressure - Low	*	*	*	*
- Hydraulic Charge Pressure - Low	*	*	*	*
- Coolant Temperature - High	*	*	*	*
- Work Lights On	*	*	*	*
- Water in Fuel	*	*	*	*
- DPF Regeneration	*	*	*	*
- DPF High Temperature Exhaust	*	*	*	*
Swing Alarm	*	*	*	*
Travel Alarm	*	*	*	*
UNDERCARRIAGE				
Track Guard, and Chains with Adjusters	*	*	*	*
Track Rollers, Upper (Each Side)	1	2	2	2
Track Rollers, Lower (Each Side)	7	7	8	10
In-Shoe Motor Protection	*	*	*	*
Shoes, Triple Grouser - 500 mm (46 Each Side)	-	-	-	-
Shoes, Triple Grouser - 600 mm (44 Each Side)	*	*	*	*
Shoes, Triple Grouser - 700 mm (Each Side)	*	*	*	*
Shoes, Triple Grouser - 800 mm (Each Side)	-	-	-	-
Shoes, Triple Grouser - 900 mm (Each Side)	-	-	-	-
Shoes	46	44	49	51
CONTROLS				
Joystick Controls	*	*	*	*
Pattern Control Change Valve (SAE, ISO)	*	*	*	*
Joystick Attachment Control Switches/Buttons				
- One-way	*	*	*	*
- Two-way	*	*	*	*
- Power Boost	*	*	*	*
Control Stands				
- Height Adjustable	*	*	*	*
- Sliding (Fore/Aft)*	*	*	*	*
Engine Speed Control Dial	*	*	*	*
Travel Pedal; with Hand Levers	*	*	*	*
Straight Travel Pedal	*	*	*	*
Switches, Console mounted				
- Starter (Key)	*	*	*	*
- Travel Speed Selector	*	*	*	*
- Work Light	*	*	*	*
- DPF Regeneration	*	*	*	*
- Auxiliary Mod. Switch	*	*	*	*
- Emergency; Stop Switch	*	*	*	*
Power Mode (P+, P, S, E)	*	*	*	*
Work Mode (Digging, Lifting, Breaker, Shear)	*	*	*	*
Jog Dial Display Control	*	*	*	*
Wiper Control Panel	*	*	*	*
Audio Control Panel	*	*	*	*
OTHER				
Centralized Lubrication				
- Boom	*	*	*	*
- Swing Bearing	*	*	*	*
Dozer Blade	*	*	*	*
Handrails	*	*	*	*
Skid-Resistant Steps	*	*	*	*
Manuals				
- Operations & Maintenance	*	*	*	*
- Parts	*	*	*	*
- AEM Safety Manual	*	*	*	*
Telematics, 1 Year Subscription	*	*	*	*
Vandalism Protection				
- Lockable panels	*	*	*	*
- Lockable fluid fill points	*	*	*	*
48-Hour Parts Guarantee	*	*	*	*
Air Compressor	*	*	*	*

Standard Equipment based on STD configuration



WHO IS DOOSAN?

Doosan is the fifth largest construction equipment manufacturer in the world with a heritage that goes back more than 115 years. We deliver solid machines, unsurpassed customer service and an expanding dealer network plus our unrivaled 48-hour parts guarantee.

Doosan Delivers

www.doosanequipment.com/HEX

1.877.613.7970



Doosan Infracore is a registered trademark of Doosan Infracore. © 2013 Doosan Infracore. All rights reserved.



Doosan Infracore Construction Equipment America

NEW DOOSAN PRODUCT STANDARD WARRANTY

Clark Equipment Company, dba Doosan Infracore Construction Equipment America (DICEA) warrants the DOOSAN Hydraulic Excavator and Wheel Loader, hereinafter referred to as Machine to be free from defects in material and workmanship. If any part of the Machine fails as a result of a defect in material and/or workmanship within twelve (12) months or one thousand five hundred (1,500) hours, (whichever occurs first), from the first in service date as defined by DICEA warranty registration records, the failed part will be replaced free of charge with labor (per DICEA Labor Time Guide) by the nearest authorized DICEA dealer during normal business hours at the place of business thereof.

This warranty does not apply to the following:

- (1) Damage or defects caused by accident, misuse, negligence, natural calamity or improper maintenance.
- (2) Damage or defects caused by using other than Doosan Infracore Construction Equipment America (DICEA) genuine parts or installing attachments to equipment not authorized in writing by DICEA.
- (3) Changes, alterations or modifications to equipment or any of its components/parts by other than DICEA authorized dealers, which is the sole judgment of DICEA, which affects the performance, stability or purpose for which it was manufactured.
- (4) Slight defects, which generally do not affect the stability or reliability of the machine.
- (5) Maintenance such as but not limited to engine cleaning, replacement of consumable parts, lubrication, brake adjustment, and other recommended maintenance procedures as defined in the Machine Operator and Maintenance Manual, etc.
- (6) Consumable articles, such as but not limited to oil, grease, fan belt, batteries, gaskets, fuses, brake or clutch lining, fuel filter, tires, cables, carbon brushes, bulbs, glass, and other similar parts.
- (7) Wear items such as but not limited to cutting edges, bucket teeth, undercarriage components and other ground engaging components except for breakage as a result of a defect in material or workmanship.
- (8) Transportation or towing, loading or unloading charges related to the failed Machine to or from the nearest location of the authorized DICEA Dealer.
- (9) Cost of a rental or loaner equipment.
- (10) All Labor related to diagnostics of any defective part or component.
- (11) Freight charges incurred as a result of shipment of the replacement warranty part or component to the registered user of the machine.

This warranty is expressly in lieu of any other warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose.

The liability of DICEA under this warranty is expressly limited to the provisions specified above and in no event shall DICEA incur any liability (including liability for general, special, incidental or consequential damages, economic or moral loss, arising out of any failure of Machine) which is not expressly assumed by DICEA under this warranty. In all matters DICEA's decision is final.

State of West Virginia VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code, §5A-3-37**. (Does not apply to construction contracts). **West Virginia Code, §5A-3-37**, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,

Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,

Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,

2. Application is made for 2.5% vendor preference for the reason checked:

Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

3. Application is made for 2.5% vendor preference for the reason checked:

Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

4. Application is made for 5% vendor preference for the reason checked:

Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: STATE EQUIPMENT, INC.

Signed: 

Date: 4/29/15

Title: GENERAL MANAGER

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: STATE EQUIPMENT, INC

Authorized Signature: [Signature] Date: 4/29/15

State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 29th day of April, 2015

My Commission expires March 27, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 07/01/2012)

