



## TECHNICAL SPECIFICATIONS

### ENGINE

|                                      |                                    |
|--------------------------------------|------------------------------------|
| MAKE                                 | Doosan                             |
| MODEL                                | G2 D34                             |
| NUMBER OF CYLINDERS                  | 4                                  |
| RATED POWER GROSS (HP PER SAE J1995) | 115 hp (86 kW) @ 2000 rpm          |
| RATED POWER NET (HP PER SAE J1349)   | 101 hp (75 kW) @ 2000 rpm          |
| MAX. TORQUE (GROSS) (SAE J1995)      | 340 ft.-lb. (460 Nm) @ 1400 rpm    |
| PISTON DISPLACEMENT                  | 208 in. <sup>3</sup> (3.4 L)       |
| BORE AND STROKE                      | 3.9 in. x 4.4 in. (98 mm x 113 mm) |
| STARTER                              | 24 V, 6.7 hp (5.0 kW)              |
| BATTERY                              | 12 V, 100 AH                       |
| ALTERNATOR                           | 24 V, 100 A                        |
| AIR CLEANER                          | Two-Stage                          |

### HYDRAULICS

|                          |                            |
|--------------------------|----------------------------|
| MAIN PUMPS               | 2 x 30 gpm (2 x 114 L/min) |
| PILOT PUMP (GEAR DESIGN) | 8 gpm (30 L/min)           |

### WORKING PRESSURE

|                               |                                    |
|-------------------------------|------------------------------------|
| BOOM/ARM/BUCKET (NORMAL MODE) | 4786 psi (336 kg/cm <sup>2</sup> ) |
| BOOM/ARM/BUCKET (POWER BOOST) | 5076 psi (356 kg/cm <sup>2</sup> ) |
| TRAVEL                        | 5076 psi (356 kg/cm <sup>2</sup> ) |
| SWING                         | 3916 psi (275 kg/cm <sup>2</sup> ) |
| PILOT                         | 566 psi (40 kg/cm <sup>2</sup> )   |

### UNDERCARRIAGE

|                                  |    |
|----------------------------------|----|
| UPPER ROLLERS (EACH TRACK)       | 1  |
| LOWER ROLLERS (EACH TRACK)       | 7  |
| NUMBER OF SHOES (LINKS PER SIDE) | 46 |

### SWING MECHANISM

|              |                              |
|--------------|------------------------------|
| SWING SPEED  | 0 – 10 rpm                   |
| SWING TORQUE | 35,355 lbf.-ft. (4888 kgf-m) |

### DRIVE SYSTEM

|                                     |                                |
|-------------------------------------|--------------------------------|
| TRAVEL SPEED [LOW – HIGH]           | 1.8 – 2.9 mph (2.9 – 4.7 km/h) |
| TRACTION FORCE, MAX. (DRAWBAR PULL) | 33,510 lbf.-ft. (15,200 kgf-m) |
| MAX. GRADE (LIMITED BY ENGINE LUB)  | 70% (35°)                      |



### ENVIRONMENT

|                              |           |
|------------------------------|-----------|
| SOUND LEVEL (2000/14/EC)     | 100 dB(A) |
| CABIN SOUND LEVEL (ISO 6396) | 72 dB(A)  |

### REFILL CAPACITIES

|                                    |                   |
|------------------------------------|-------------------|
| FUEL TANK                          | 54.2 gal. (205 L) |
| DEF TANK                           | 6.6 gal. (25 L)   |
| COOLING SYSTEM (RADIATOR CAPACITY) | 6.7 gal. (25.5 L) |
| ENGINE OIL (WITH FILLER)           | 3.3 gal. (12.6 L) |
| SWING DRIVE                        | 0.8 gal. (3 L)    |
| FINAL DRIVE (EACH SIDE)            | 0.5 gal. (2 L)    |
| HYDRAULIC SYSTEM                   | 34 gal. (128 L)   |
| HYDRAULIC TANK                     | 21.9 gal. (83 L)  |

### HYDRAULIC CYLINDERS

|                                                            |                                                            |
|------------------------------------------------------------|------------------------------------------------------------|
| BOOM <sup>1</sup> (2) BORE x ROD DIAMETER x STROKE         | 4.3 in. x 3.0 in. x 43.4 in.<br>(110 mm x 75 mm x 1103 mm) |
| ARM <sup>1,2</sup> (1) BORE x ROD DIAMETER x STROKE        | 4.5 in. x 3.1 in. x 43.6 in.<br>(115 mm x 80 mm x 1108 mm) |
| BUCKET (STD) <sup>1</sup> (1) BORE x ROD DIAMETER x STROKE | 3.9 in. x 2.8 in. x 35.4 in.<br>(100 mm x 70 mm x 900 mm)  |

1 Cushion on Rod End  
2 Cushion on Base End

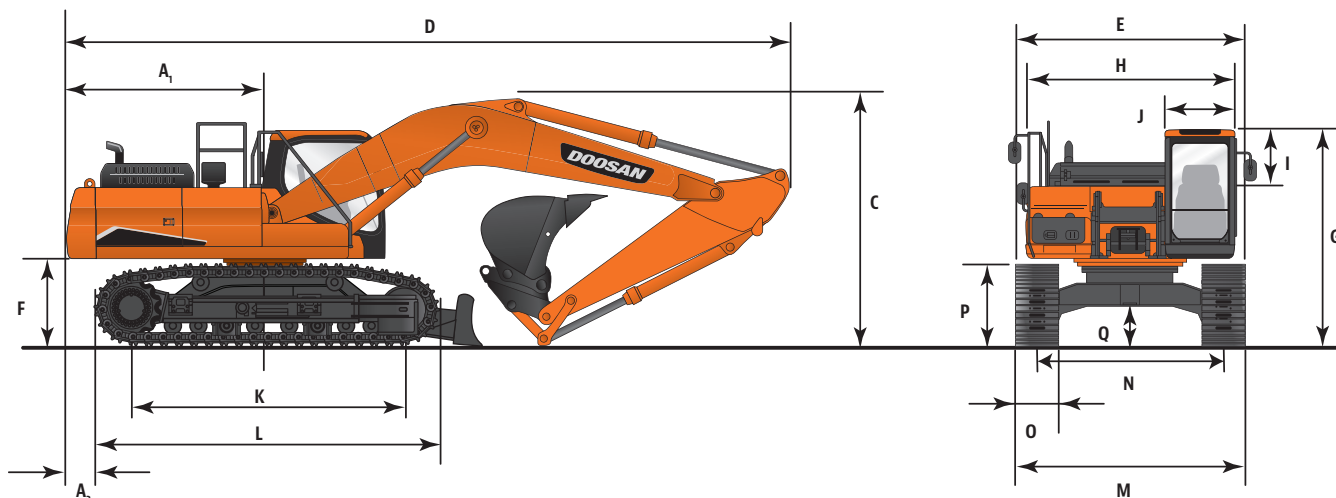
The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

**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. All dimensions are given for Doosan excavators equipped with standard tracks and the standard front as listed. Pictures of Doosan excavators may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Doosan equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.



|                            |                | STANDARD ARM                                |                                | STANDARD ARM & DOZER BLADE     |                                |
|----------------------------|----------------|---------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                            |                | 24" (600 MM) TG SHOE<br>(US20)              | 20" (500 MM) TG SHOE<br>(US30) | 24" (600 MM) TG SHOE<br>(US40) | 28" (700 MM) TG SHOE<br>(US50) |
| BOOM LENGTH                |                | 15' 1" (4600 mm)                            |                                |                                |                                |
| ARM LENGTH                 |                | 9' 10" (3000 mm)                            |                                |                                |                                |
| BUCKET TYPE (SAE)          |                | 0.51 yd <sup>3</sup> (0.39 m <sup>3</sup> ) |                                |                                |                                |
| TRACK TYPE                 |                | FIXED                                       |                                |                                |                                |
| TAIL SWING RADIUS          | A <sub>1</sub> | 5' (1524 mm)                                |                                |                                |                                |
| TAIL SWING OVERHANG (REAR) | A <sub>2</sub> | -1' 2" (-353 mm)                            |                                |                                |                                |
| TAIL SWING OVERHANG (SIDE) | A <sub>3</sub> | 9" (230 mm)                                 | 11" (280 mm)                   | 9" (230 mm)                    | 7" (180 mm)                    |
| SHIPPING HEIGHT (BOOM)     | B              | 10' 1" (3065 mm)*                           |                                |                                |                                |
| SHIPPING HEIGHT (HOSE)     | C              | 10' 3" (3135 mm)*                           |                                |                                |                                |
| SHIPPING LENGTH            | D              | 26' 3" (7990 mm)                            |                                |                                |                                |
| SHIPPING WIDTH             | E              | 8' 5" (2590 mm)                             | 8' 2" (2490 mm)                | 8' 5" (2590 mm)                | 8' 10" (2690 mm)               |
| COUNTERWEIGHT CLEARANCE    | F              | 2' 11" (895 mm)*                            |                                |                                |                                |
| CABIN HEIGHT               | G              | 9' 5" (2874 mm)*                            |                                |                                |                                |
| UPPER STRUCTURE WIDTH      | H              | 8' 10" (2690mm)                             |                                |                                |                                |
| CABIN HEIGHT ABOVE HOUSE   | I              | 2' 3" (697mm)*                              |                                |                                |                                |
| CABIN WIDTH                | J              | 3' 4" (1022 mm)                             |                                |                                |                                |
| TUMBLER DISTANCE           | K              | 9' 11" (3034 mm)                            |                                |                                |                                |
| OVERALL TRACK LENGTH       | L              | 12' 4" (3754 mm)                            |                                |                                |                                |
| UNDERCARRIAGE WIDTH        | M              | 8' 6" (2590 mm)                             | 8' 2" (2490 mm)                | 8' 6" (2590 mm)                | 8' 10" (2690 mm)               |
| TRACK GAUGE WIDTH          | N              | 6' 6" (1990 mm)                             |                                |                                |                                |
| TRACK SHOE WIDTH           | O              | 24" (600 mm)                                | 20" (500 mm)                   | 24" (600 mm)                   | 28" (700 mm)                   |
| TRACK HEIGHT               | P              | 2' 5" (743 mm)                              |                                |                                |                                |
| CAR BODY CLEARANCE         | Q              | 1' 3" (382 mm)                              |                                |                                |                                |

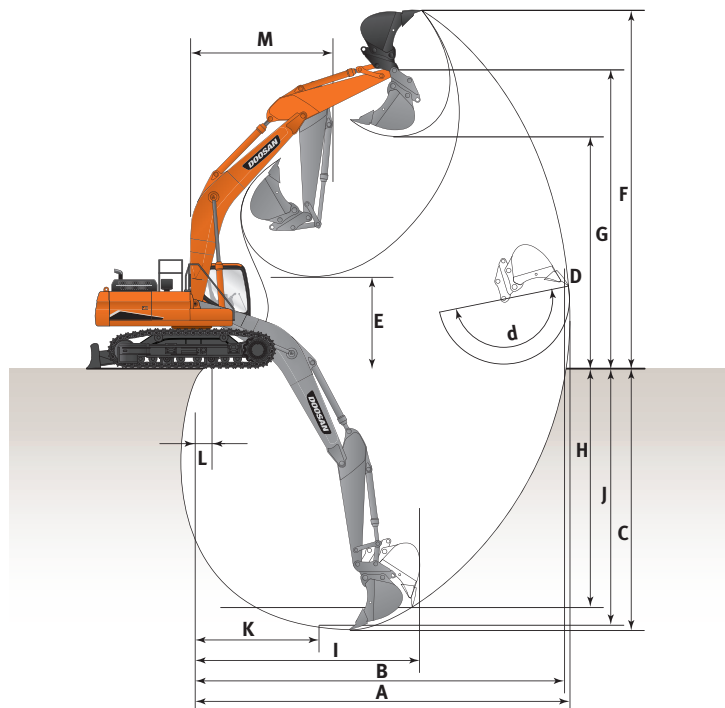
\*Without shoe grouser



# DX140LCR

## WORKING RANGE

|                              |     | STANDARD ARM<br>24" (600 MM) TG SHOE<br>(US20) | STANDARD ARM & DOZER BLADE<br>24" (600 MM) TG SHOE<br>(US40) | 28" (700 MM) TG SHOE<br>(US50)      |
|------------------------------|-----|------------------------------------------------|--------------------------------------------------------------|-------------------------------------|
| BOOM LENGTH                  |     |                                                | 15' 1" (4600 mm)                                             |                                     |
| ARM LENGTH                   |     |                                                | 9' 10" (3000 mm)                                             |                                     |
| BUCKET TYPE (SAE) PCSA       |     |                                                | 0.51 yd <sup>3</sup> (0.39 m <sup>3</sup> )                  |                                     |
| TRACK TYPE                   |     |                                                | FIXED                                                        |                                     |
| MAX. DIGGING REACH           | A   |                                                | 28' 5" (8665 mm)                                             |                                     |
| MAX. DIGGING REACH (GROUND)  | B   |                                                | 27' 11" (8530 mm)                                            |                                     |
| MAX. DIGGING DEPTH           | C   |                                                | 19' 7" (5985 mm)                                             |                                     |
| MAX. LOADING HEIGHT          | D   |                                                | 23' 2" (7080 mm)                                             |                                     |
| MIN. LOADING HEIGHT          | E   |                                                | 6' 11" (2120 mm)                                             |                                     |
| MAX. DIGGING HEIGHT          | F   |                                                | 31' (9470 mm)                                                |                                     |
| MAX. BUCKET PIN HEIGHT       | G   |                                                | 27' 2" (8300 mm)                                             |                                     |
| MAX. VERTICAL WALL DEPTH     | H   |                                                | 15' 4" (4680 mm)                                             |                                     |
| MAX. RADIUS VERTICAL         | I   |                                                | 19' 7" (5970 mm)                                             |                                     |
| MAX. DEPTH TO 8' LINE        | J   |                                                | 18' 10" (5765 mm)                                            |                                     |
| MIN. RADIUS 8' LINE          | K   |                                                | 6' 8" (2040 mm)                                              |                                     |
| MIN. DIGGING REACH           | L   |                                                | -5" (-130 mm)                                                |                                     |
| MIN. SWING RADIUS            | M   |                                                | 7' 7" (2320)                                                 |                                     |
| BUCKET ANGLE (DEG)           | d   |                                                | 174°                                                         |                                     |
| DIGGING FORCE, BUCKET (PCSA) | ISO |                                                | 24,471 lbf. (11,100 kgf)                                     |                                     |
| DIGGING FORCE, ARM           |     |                                                | 13,228 lbf. (6000 kgf)                                       |                                     |
| OPERATING WEIGHT             |     | 34,946 lb. (15,430 kg)                         | 36,080 lb. (16,400 kg)                                       | 36,960 lb. (16,800 kg)              |
| GROUND PRESSURE              |     | 5.83 psi (0.41 kg/cm <sup>2</sup> )            | 5.97 psi (0.42 kg/cm <sup>2</sup> )                          | 5.26 psi (0.37 kg/cm <sup>2</sup> ) |





|               | STANDARD ARM<br>(US20) | STANDARD ARM & DOZER BLADE<br>(US30) (US40) (US50) |              |               |
|---------------|------------------------|----------------------------------------------------|--------------|---------------|
| BOOM          | 15' 1" (4600 mm)       |                                                    |              |               |
| ARM           | 9' 10" (3000 mm)       |                                                    |              |               |
| SHOE SIZE     | 24" (600 mm)           | 20" (500 mm)                                       | 24" (600 mm) | 28" (700 mm)  |
| TRACK TYPE    | FIXED                  | FIXED WITH DOZER                                   |              |               |
| MOUNT         | PIN-ON                 | QUICK-COUPLER                                      | PIN-ON       | QUICK-COUPLER |
| COUNTERWEIGHT | 7040 lb. (3200 kg)     |                                                    |              |               |

| BUCKET TYPE | MODEL      | CAPACITY <sup>1</sup><br>YD <sup>3</sup> (M <sup>3</sup> ) | WIDTH<br>IN. (MM) | WEIGHT<br>LB. (KG) |   |   |   |   |
|-------------|------------|------------------------------------------------------------|-------------------|--------------------|---|---|---|---|
| HEAVY-DUTY  | HD14-024   | 0.44 (0.34)                                                | 24 (609.6)        | 901 (409)          | A | A | A | A |
|             | HD14-030   | 0.59 (0.45)                                                | 30 (762)          | 1001 (454)         | A | B | A | B |
|             | HD14-036   | 0.75 (0.57)                                                | 36 (914.4)        | 1129 (512)         | B | B | B | C |
|             | HD14-042   | 0.91 (0.70)                                                | 42 (1066.8)       | 1222 (554)         | C | X | C | X |
|             | HD14-048   | 1.06 (0.81)                                                | 48 (1219.2)       | 1338 (607)         | X | X | X | X |
| SEVERE-DUTY | SD14-024   | 0.44 (0.34)                                                | 24 (609.6)        | 931 (422)          | A | A | A | A |
|             | SD14-030   | 0.59 (0.45)                                                | 30 (762)          | 1035 (469)         | A | B | A | B |
|             | SD14-036   | 0.75 (0.57)                                                | 36 (914.4)        | 1154 (523)         | B | C | C | X |
|             | SD14-042   | 0.91 (0.70)                                                | 42 (1066.8)       | 1248 (566)         | C | X | C | X |
|             | SD14-048   | 1.06 (0.81)                                                | 48 (1219.2)       | 1367 (620)         | X | X | X | X |
| DITCHING    | DC140-048  | 0.63 (0.48)                                                | 48 (1219.2)       | 820 (372)          | A | B | A | B |
|             | DC140-060  | 0.80 (0.61)                                                | 60 (1524)         | 985 (447)          | B | C | B | C |
|             | HDC140-060 | 1.38 (1.06)                                                | 60 (1524)         | 1620 (735)         | X | X | X | X |

<sup>1</sup> Capacity based on ISO 7451 and heaped with a 1:1 angle of repose

<sup>2</sup> Equipped with Bolt On Wear Shrouds

<sup>3</sup> Equipped with Bolt On Teeth

<sup>4</sup> Equipped with Bolt On Cutting Edge

<sup>5</sup> These recommendations are given as a guide only and based on typical operation conditions

Maximum Suitable Material Density

A 3,370 lb./yd<sup>3</sup> (2000 kg/m<sup>3</sup>)

B 2,700 lb./yd<sup>3</sup> (1600 kg/m<sup>3</sup>)

C 1,850 lb./yd<sup>3</sup> (1100 kg/m<sup>3</sup>)

X Not Approved

Please consult with your Doosan® dealer to properly match buckets and attachments for the application

# DX140LCR

## LIFTING CAPACITY

 Rating over front  
 Rating over side or 360°

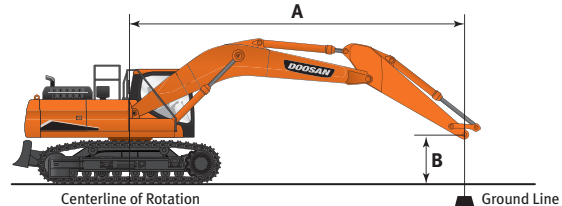
| DX140LCR-7 US20   BOOM: 15' 1" (4600 MM)   ARM: 9' 10" (3000 MM)   COUNTERWEIGHT: 7040 LB. (3200 KG)   24" (600 MM) SHOES   NO DOZER   BUCKET: NONE   UNIT: LB. (KG) |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| A<br>(ft. or m)                                                                                                                                                      | 5' (1.5 m)                                                                        |                                                                                   | 10' (3.0 m)                                                                       |                                                                                   | 15' (4.5 m)                                                                       |                                                                                   | 20' (6.0 m)                                                                       |                                                                                   | MAX. REACH                                                                          |                                                                                       |
| B<br>(ft. or m)                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  A |
| 25'<br>(7.5 m)                                                                                                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 5,620<br>(* 2,550)                                                                | * 5,620<br>(* 2,550) 14.00'<br>(-4.27 m)                                              |
| 20'<br>(6.0 m)                                                                                                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,220<br>(* 3,280)                                                              | * 7,220<br>(* 3,280)                                                              |                                                                                   |                                                                                   | * 4,510<br>(* 2,050)                                                                | * 4,510<br>(* 2,050) 19.17'<br>(5.91 m)                                               |
| 15'<br>(4.5 m)                                                                                                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,850<br>(* 3,560)                                                              | * 7,850<br>(* 3,560)                                                              | * 7,070<br>(* 3,210)                                                              | 5,340<br>(2,420)                                                                  | * 4,280<br>(* 1,940)                                                                | * 4,270<br>(* 1,940) 22.37'<br>(6.82 m)                                               |
| 10'<br>(3.0 m)                                                                                                                                                       |                                                                                   |                                                                                   | * 12,820<br>(* 5,810)                                                             | * 12,820<br>(* 5,810)                                                             | * 10,490<br>(* 4,760)                                                             | 8,070<br>(3,660)                                                                  | 8,060<br>(3,660)                                                                  | 5,150<br>(2,340)                                                                  | * 4,320<br>(* 1,960)                                                                | 3,720<br>(1,690) 23.95'<br>(7.30 m)                                                   |
| 5'<br>(1.5 m)                                                                                                                                                        |                                                                                   |                                                                                   | * 20,470<br>(* 9,290)                                                             | 13,710<br>(6,220)                                                                 | 12,210<br>(5,540)                                                                 | 7,480<br>(3,390)                                                                  | 7,780<br>(3,530)                                                                  | 4,900<br>(2,220)                                                                  | * 4,590<br>(* 2,080)                                                                | 3,500<br>(1,590) 24.44'<br>(7.45 m)                                                   |
| Ground Level                                                                                                                                                         |                                                                                   |                                                                                   | * 18,400<br>(* 8,350)                                                             | 12,740<br>(5,780)                                                                 | 11,680<br>(5,300)                                                                 | 7,020<br>(3,190)                                                                  | 7,540<br>(3,420)                                                                  | 4,680<br>(2,120)                                                                  | * 5,170<br>(* 2,350)                                                                | 3,540<br>(1,600) 23.91'<br>(7.29 m)                                                   |
| -5'<br>(-1.5 m)                                                                                                                                                      | * 11,470<br>(* 5,200)                                                             | * 11,470<br>(* 5,200)                                                             | * 22,330<br>(* 10,130)                                                            | 12,510<br>(5,670)                                                                 | 11,430<br>(5,190)                                                                 | 6,810<br>(3,090)                                                                  | 7,420<br>(3,370)                                                                  | 4,570<br>(2,070)                                                                  | * 6,240<br>(* 2,830)                                                                | 3,870<br>(1,760) 22.28'<br>(6.79 m)                                                   |
| -10'<br>(-3.0 m)                                                                                                                                                     | * 18,080<br>(* 8,200)                                                             | * 18,080<br>(* 8,200)                                                             | * 21,050<br>(* 9,550)                                                             | 12,650<br>(5,740)                                                                 | 11,470<br>(5,200)                                                                 | 6,840<br>(3,100)                                                                  |                                                                                   |                                                                                   | 7,740<br>(3,510)                                                                    | 4,780<br>(2,170) 19.25'<br>(5.87 m)                                                   |
| -15'<br>(-4.5 m)                                                                                                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 9,750<br>(* 4,420)                                                                | 7,810<br>(3,540) 13.92'<br>(4.24 m)                                                   |

| DX140LCR-7 US30   BOOM: 15' 1" (4600 MM)   ARM: 9' 10" (3000 MM)   COUNTERWEIGHT: 7040 LB. (3200 KG)   20" (500 MM) SHOES   WITH DOZER UP   BUCKET: NONE   UNIT: LB. (KG) |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| A<br>(ft. or m)                                                                                                                                                           | 5' (1.5 m)                                                                        |                                                                                   | 10' (3.0 m)                                                                       |                                                                                   | 15' (4.5 m)                                                                       |                                                                                   | 20' (6.0 m)                                                                       |                                                                                   | MAX. REACH                                                                          |                                                                                       |
| B<br>(ft. or m)                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  A |
| 25'<br>(7.5 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 5,340<br>(* 2,420)                                                                | * 5,340<br>(* 2,420) 14.24'<br>(4.34 m)                                               |
| 20'<br>(6.0 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,220<br>(* 3,280)                                                              | * 7,220<br>(* 3,280)                                                              |                                                                                   |                                                                                   | * 4,510<br>(* 2,050)                                                                | * 4,510<br>(* 2,050) 19.41'<br>(5.91 m)                                               |
| 15'<br>(4.5 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,850<br>(* 3,560)                                                              | * 7,850<br>(* 3,560)                                                              | * 7,070<br>(* 3,210)                                                              | 5,630<br>(2,560)                                                                  | * 4,280<br>(* 1,940)                                                                | * 4,280<br>(* 1,940) 22.37'<br>(6.82 m)                                               |
| 10'<br>(3.0 m)                                                                                                                                                            |                                                                                   |                                                                                   | * 12,820<br>(* 5,810)                                                             | * 12,820<br>(* 5,810)                                                             | * 10,490<br>(* 4,760)                                                             | 8,500<br>(3,850)                                                                  | * 7,910<br>(* 3,590)                                                              | 5,450<br>(2,470)                                                                  | * 4,320<br>(* 1,960)                                                                | 3,960<br>(1,790) 23.95'<br>(7.30 m)                                                   |
| 5'<br>(1.5 m)                                                                                                                                                             |                                                                                   |                                                                                   | * 20,470<br>(* 9,290)                                                             | 14,470<br>(6,560)                                                                 | 11,990<br>(5,440)                                                                 | 7,910<br>(3,590)                                                                  | 7,640<br>(3,460)                                                                  | 5,200<br>(2,360)                                                                  | * 4,590<br>(* 2,080)                                                                | 3,730<br>(1,690) 24.44'<br>(7.45 m)                                                   |
| Ground Level                                                                                                                                                              |                                                                                   |                                                                                   | * 18,400<br>(* 8,350)                                                             | 13,490<br>(6,120)                                                                 | 11,460<br>(5,200)                                                                 | 7,450<br>(3,380)                                                                  | 7,390<br>(3,350)                                                                  | 4,980<br>(2,260)                                                                  | * 5,170<br>(* 2,350)                                                                | 3,770<br>(1,710) 23.91'<br>(7.29 m)                                                   |
| -5'<br>(-1.5 m)                                                                                                                                                           | * 11,470<br>(* 5,200)                                                             | * 11,470<br>(* 5,200)                                                             | * 22,330<br>(* 10,130)                                                            | 13,260<br>(6,020)                                                                 | 11,210<br>(5,090)                                                                 | 7,240<br>(3,280)                                                                  | 7,270<br>(3,300)                                                                  | 4,870<br>(2,210)                                                                  | * 6,110<br>(* 2,770)                                                                | 4,130<br>(1,870) 22.28'<br>(6.79 m)                                                   |
| -10'<br>(-3.0 m)                                                                                                                                                          | * 18,080<br>(* 8,200)                                                             | * 18,080<br>(* 8,200)                                                             | * 21,050<br>(* 9,550)                                                             | 13,410<br>(6,080)                                                                 | 11,240<br>(5,100)                                                                 | 7,260<br>(3,290)                                                                  |                                                                                   |                                                                                   | * 7,590<br>(* 3,440)                                                                | 5,080<br>(2,310) 19.25'<br>(5.87 m)                                                   |
| -15'<br>(-4.5 m)                                                                                                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 9,750<br>(* 4,420)                                                                | 8,270<br>(3,750) 13.92'<br>(4.24 m)                                                   |

| DX140LCR-7 US40   BOOM: 15' 1" (4600 MM)   ARM: 9' 10" (3000 MM)   COUNTERWEIGHT: 7040 LB. (3200 KG)   24" (600 MM) SHOES   WITH DOZER UP   BUCKET: NONE   UNIT: LB. (KG) |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| A<br>(ft. or m)                                                                                                                                                           | 5' (1.5 m)                                                                          |                                                                                     | 10' (3.0 m)                                                                         |                                                                                     | 15' (4.5 m)                                                                         |                                                                                     | 20' (6.0 m)                                                                         |                                                                                     | MAX. REACH                                                                            |                                                                                         |
| B<br>(ft. or m)                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  A |
| 25'<br>(7.5 m)                                                                                                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 5,324<br>(* 2,420)                                                                  | * 5,324<br>(* 2,420) 14.24'<br>(4.34 m)                                                 |
| 20'<br>(6.0 m)                                                                                                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 7,216<br>(* 3,280)                                                                | * 7,216<br>(* 3,280)                                                                |                                                                                     |                                                                                     | * 4,510<br>(* 2,050)                                                                  | * 4,510<br>(* 2,050) 19.41'<br>(5.91 m)                                                 |
| 15'<br>(4.5 m)                                                                                                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 7,832<br>(* 3,560)                                                                | * 7,832<br>(* 3,560)                                                                | * 7,062<br>(* 3,210)                                                                | 5,698<br>(2,590)                                                                    | * 4,268<br>(* 1,940)                                                                  | * 4,268<br>(* 1,940) 22.37'<br>(6.82 m)                                                 |
| 10'<br>(3.0 m)                                                                                                                                                            |                                                                                     |                                                                                     | * 12,782<br>(* 5,810)                                                               | * 12,782<br>(* 5,810)                                                               | * 10,472<br>(* 4,760)                                                               | 8,602<br>(3,910)                                                                    | * 8,030<br>(* 3,650)                                                                | 5,522<br>(2,510)                                                                    | * 4,312<br>(* 1,960)                                                                  | 4,004<br>(1,820) 23.95'<br>(7.30 m)                                                     |
| 5'<br>(1.5 m)                                                                                                                                                             |                                                                                     |                                                                                     | * 20,438<br>(* 9,290)                                                               | 14,652<br>(6,660)                                                                   | 12,144<br>(5,520)                                                                   | 8,008<br>(3,640)                                                                    | 7,744<br>(3,520)                                                                    | 5,258<br>(2,390)                                                                    | * 4,576<br>(* 2,080)                                                                  | 3,784<br>(1,720) 24.44'<br>(7.45 m)                                                     |
| Ground Level                                                                                                                                                              |                                                                                     |                                                                                     | * 18,370<br>(* 8,350)                                                               | 13,662<br>(6,210)                                                                   | 11,616<br>(5,280)                                                                   | 7,546<br>(3,430)                                                                    | 7,502<br>(3,410)                                                                    | 5,038<br>(2,290)                                                                    | * 5,170<br>(* 2,350)                                                                  | 3,828<br>(1,740) 23.91'<br>(7.29 m)                                                     |
| -5'<br>(-1.5 m)                                                                                                                                                           | * 11,440<br>(* 5,200)                                                               | * 11,440<br>(* 5,200)                                                               | * 22,286<br>(* 10,130)                                                              | 13,442<br>(6,110)                                                                   | 11,374<br>(5,170)                                                                   | 7,326<br>(3,330)                                                                    | 7,392<br>(3,360)                                                                    | 4,928<br>(2,240)                                                                    | 6,204<br>(2,820)                                                                      | 4,180<br>(1,900) 22.28'<br>(6.79 m)                                                     |
| -10'<br>(-3.0 m)                                                                                                                                                          | * 18,040<br>(* 8,200)                                                               | * 18,040<br>(* 8,200)                                                               | * 21,010<br>(* 9,550)                                                               | 13,574<br>(6,170)                                                                   | 11,418<br>(5,190)                                                                   | 7,370<br>(3,350)                                                                    |                                                                                     |                                                                                     | 7,700<br>(3,500)                                                                      | 5,148<br>(2,340) 19.25'<br>(5.87 m)                                                     |
| -15'<br>(-4.5 m)                                                                                                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 9,750<br>(* 4,420)                                                                  | 8,382<br>(3,810) 13.92'<br>(4.24 m)                                                     |

A Distance from center of rotation  
 B Height

NOTE: Lift Capacities are in compliance with SAE 1097 and ISO 10567. Machine in Lifting Mode with Power Boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (\*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb (75 kg) operator.



# DX140LCR

## LIFTING CAPACITY

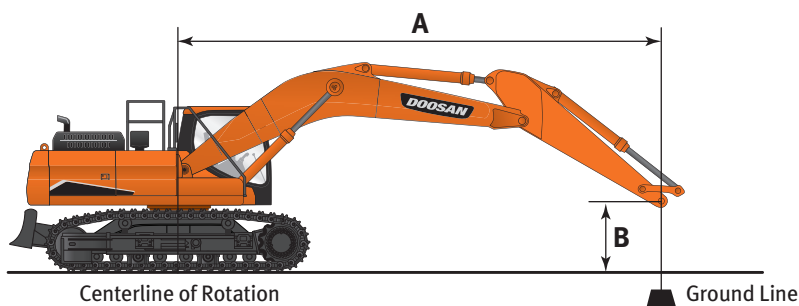
 Rating over front  
 Rating over side or 360°

| DX140LCR-7 USSO   BOOM: 15' 1" (4600 MM)   ARM: 9' 10" (3000 MM)   COUNTERWEIGHT: 7040 LB. (3200 KG)   28" (700 MM) SHOES   WITH DOZER UP   BUCKET: NONE   UNIT: LB. (KG) |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| A<br>(ft. or m)                                                                                                                                                           | 5' (1.5 m)                                                                        |                                                                                   | 10' (3.0 m)                                                                       |                                                                                   | 15' (4.5 m)                                                                       |                                                                                   | 20' (6.0 m)                                                                       |                                                                                   | MAX. REACH                                                                          |                                                                                     |
|                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |
| 25'<br>(7.5 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 5,340<br>(* 2,427)                                                                | * 5,340<br>(* 2,427)                                                                |
| 20'<br>(6.0 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,230<br>(* 3,286)                                                              | * 7,230<br>(* 3,286)                                                              |                                                                                   |                                                                                   | * 4,520<br>(* 2,050)                                                                | * 4,520<br>(* 2,050)                                                                |
| 15'<br>(4.5 m)                                                                                                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 7,860<br>(* 3,572)                                                              | * 7,860<br>(* 3,572)                                                              | * 7,070<br>(* 3,214)                                                              | 5,810<br>(2,641)                                                                  | * 4,280<br>(* 1,945)                                                                | * 4,280<br>(* 1,945)                                                                |
| 10'<br>(3.0 m)                                                                                                                                                            |                                                                                   |                                                                                   | * 12,820<br>(* 5,827)                                                             | * 12,820<br>(* 5,827)                                                             | * 10,500<br>(* 4,772)                                                             | 8,750<br>(3,977)                                                                  | 8,180<br>(* 3,718)                                                                | 5,630<br>(2,559)                                                                  | * 4,330<br>(* 1,968)                                                                | 4,100<br>(1,864)                                                                    |
| 5'<br>(1.5 m)                                                                                                                                                             |                                                                                   |                                                                                   | * 20,480<br>(* 9,309)                                                             | 14,910<br>(6,777)                                                                 | 12,380<br>(5,627)                                                                 | 8,160<br>(3,709)                                                                  | 7,900<br>(3,591)                                                                  | 5,370<br>(2,441)                                                                  | * 4,600<br>(* 2,091)                                                                | 3,870<br>(1,759)                                                                    |
| Ground Level                                                                                                                                                              |                                                                                   |                                                                                   | * 18,400<br>(* 8,363)                                                             | 13,940<br>(6,336)                                                                 | 11,850<br>(5,386)                                                                 | 7,700<br>(3,500)                                                                  | 7,660<br>(3,482)                                                                  | 5,150<br>(2,340)                                                                  | * 5,180<br>(* 2,354)                                                                | 3,910<br>(1,777)                                                                    |
| -5'<br>(-1.5 m)                                                                                                                                                           | * 11,460<br>(* 5,209)                                                             | * 11,460<br>(* 5,209)                                                             | * 22,320<br>(* 10,145)                                                            | 13,710<br>(6,231)                                                                 | 11,600<br>(5,272)                                                                 | 7,490<br>(3,404)                                                                  | 7,540<br>(3,427)                                                                  | 5,040<br>(2,290)                                                                  | 6,300<br>(2,864)                                                                    | 4,280<br>(1,945)                                                                    |
| -10'<br>(-3.0 m)                                                                                                                                                          | * 18,070<br>(* 8,213)                                                             | * 18,070<br>(* 8,213)                                                             | * 21,060<br>(* 9,572)                                                             | 13,850<br>(6,295)                                                                 | 11,640<br>(5,291)                                                                 | 7,520<br>(3,418)                                                                  |                                                                                   |                                                                                   | 7,860<br>(3,573)                                                                    | 5,270<br>(2,395)                                                                    |
| -15'<br>(-4.5 m)                                                                                                                                                          |                                                                                   |                                                                                   | * 14,550<br>(* 6,613)                                                             | 14,370<br>(6,531)                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   | * 9,760<br>(* 4,436)                                                                | 8,550<br>(3,886)                                                                    |

| DX140LCR-7 USSO   BOOM: 15' 1" (4600 MM)   ARM: 9' 10" (3000 MM)   COUNTERWEIGHT: 7040 LB. (3200 KG)   28" (700 MM) SHOES   WITH DOZER DOWN   BUCKET: NONE   UNIT: LB. (KG) |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| A<br>(ft. or m)                                                                                                                                                             | 5' (1.5 m)                                                                          |                                                                                     | 10' (3.0 m)                                                                         |                                                                                     | 15' (4.5 m)                                                                         |                                                                                     | 20' (6.0 m)                                                                         |                                                                                     | MAX. REACH                                                                            |                                                                                       |
|                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |  |
| 25'<br>(7.5 m)                                                                                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 5,340<br>(* 2,427)                                                                  | * 5,340<br>(* 2,427)                                                                  |
| 20'<br>(6.0 m)                                                                                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 7,230<br>(* 3,286)                                                                | * 7,230<br>(* 3,286)                                                                |                                                                                     |                                                                                     | * 4,520<br>(* 2,050)                                                                  | * 4,520<br>(* 2,050)                                                                  |
| 15'<br>(4.5 m)                                                                                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 7,860<br>(* 3,572)                                                                | * 7,860<br>(* 3,572)                                                                | * 7,070<br>(* 3,214)                                                                | * 7,070<br>(* 3,214)                                                                | * 4,280<br>(* 1,945)                                                                  | * 4,280<br>(* 1,945)                                                                  |
| 10'<br>(3.0 m)                                                                                                                                                              |                                                                                     |                                                                                     | * 12,820<br>(* 5,827)                                                               | * 12,820<br>(* 5,827)                                                               | * 10,500<br>(* 4,772)                                                               | * 10,500<br>(* 4,772)                                                               | * 8,900<br>(* 4,045)                                                                | 7,570<br>(3,441)                                                                    | * 4,330<br>(* 1,968)                                                                  | * 4,330<br>(* 1,968)                                                                  |
| 5'<br>(1.5 m)                                                                                                                                                               |                                                                                     |                                                                                     | * 20,480<br>(* 9,309)                                                               | * 20,480<br>(* 9,309)                                                               | * 13,770<br>(* 5,986)                                                               | 11,260<br>(5,118)                                                                   | * 10,350<br>(* 4,704)                                                               | 7,300<br>(3,818)                                                                    | * 4,600<br>(* 2,091)                                                                  | * 4,600<br>(* 2,091)                                                                  |
| Ground Level                                                                                                                                                                |                                                                                     |                                                                                     | * 18,400<br>(* 8,363)                                                               | * 18,400<br>(* 8,363)                                                               | * 15,140<br>(* 6,882)                                                               | 10,760<br>(4,891)                                                                   | * 11,270<br>(* 5,123)                                                               | 7,070<br>(3,214)                                                                    | * 5,180<br>(* 2,354)                                                                  | * 5,180<br>(* 2,354)                                                                  |
| -5'<br>(-1.5 m)                                                                                                                                                             | * 11,460<br>(* 5,209)                                                               | * 11,460<br>(* 5,209)                                                               | * 22,320<br>(* 10,145)                                                              | 20,540<br>(9,336)                                                                   | * 15,620<br>(* 7,100)                                                               | 10,520<br>(4,782)                                                                   | * 11,380<br>(* 5,173)                                                               | 6,960<br>(3,164)                                                                    | * 6,300<br>(* 2,864)                                                                  | 5,870<br>(2,668)                                                                      |
| -10'<br>(-3.0 m)                                                                                                                                                            | * 18,070<br>(* 8,213)                                                               | * 18,070<br>(* 8,213)                                                               | * 21,060<br>(* 9,572)                                                               | 20,710<br>(9,414)                                                                   | * 14,220<br>(* 6,464)                                                               | 10,550<br>(4,795)                                                                   |                                                                                     |                                                                                     | * 8,910<br>(* 4,050)                                                                  | 7,250<br>(3,295)                                                                      |
| -15'<br>(-4.5 m)                                                                                                                                                            |                                                                                     |                                                                                     | * 14,550<br>(* 6,613)                                                               | * 14,550<br>(* 6,613)                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | * 9,760<br>(* 4,436)                                                                  | * 9,760<br>(* 4,436)                                                                  |

A Distance from center of rotation  
 B Height

NOTE: Lift Capacities are in compliance with SAE 1097 and ISO 10567. Machine in Lifting Mode with Power Boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (\*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb (75 kg) operator.





# STANDARD & OPTIONAL EQUIPMENT

● Standard Equipment  
■ Optional Equipment

## ENGINE

|                                                 |     |
|-------------------------------------------------|-----|
| EMISSIONS (EPA)                                 | T4f |
| HIGH-PRESSURE COMMON-RAIL (HPCR)                | ●   |
| TURBO, WASTE GATE (WGT)                         | ●   |
| DIESEL OXIDATION CATALYST (DOC)                 | ●   |
| SELECTIVE CATALYST REDUCTION (SCR)              | ●   |
| DIESEL EXHAUST FLUID (DEF)                      | ●   |
| FUEL FILTER WITH WATER SEPARATOR                | ●   |
| COOLANT EXPANSION TANK                          | ●   |
| DUAL ELEMENT DRY-TYPE AIR FILTER WITH EVACUATOR | ●   |
| ELECTRONIC ENGINE CONTROL (ECU)                 | ●   |
| AUTO IDLE                                       | ●   |
| AUTO SHUTDOWN (TIME-ADJUSTABLE)                 | ●   |
| OVERHEAT & LOW OIL PRESSURE ENGINE PROTECTION   | ●   |
| BLOCK HEATER (110V)                             | ■   |
| WATER SEPARATOR WITH HEATER                     | ■   |
| FUEL FILLER PUMP                                | ■   |

## HYDRAULIC

|                                                     |   |
|-----------------------------------------------------|---|
| ELECTRONIC POWER OPTIMIZING SYSTEM (EPOS)           | ● |
| VARIABLE AXIAL PISTON MAIN PUMP (TANDEM)            | ● |
| CROSS-SENSING PUMP CONTROL                          | ● |
| PILOT-OPERATED CONTROL VALVES                       | ● |
| GEAR PILOT PUMP                                     | ● |
| SMART POWER CONTROL (SPC)                           | ● |
| VARIABLE-SPEED HYDRAULIC COOLING FAN                | ● |
| AXIAL PISTON SWING MOTOR                            | ● |
| SPRING-APPLIED HYDRAULIC RELEASE BRAKE, SWING MOTOR | ● |
| AXIAL PISTON TRAVEL MOTOR (HIGH/LOW, AUTO)          | ● |
| AUXILIARY HYDRAULICS, ONE- & TWO-WAY PIPING         | ● |
| AUXILIARY HYDRAULICS, TILT/ROTATE PIPING            | ■ |
| ADJUSTABLE AUXILIARY FLOW & PRESSURE, 10 PRESETS    | ● |
| BREAKER FILTER                                      | ■ |
| BOOM & ARM LOCK VALVES                              | ■ |
| CLAMSHELL PIPING                                    | ■ |
| STRAIGHT TRAVEL                                     | ■ |

## CABIN

|                                         |   |
|-----------------------------------------|---|
| STEEL, ALL-WEATHER & SOUND-SUPPRESSED   | ● |
| ROPS (ISO 12117-2:2008)                 | ● |
| VISCOUS MOUNT WITH SPRING REINFORCEMENT | ● |
| FRONT WINDOW WITH WIPER/WASHER          | ● |
| TINTED SAFETY GLASS                     | ● |
| SKYLIGHT TOP HATCH WITH SUN SCREEN      | ● |
| FRONT WINDOW WITH SUN SCREEN            | ● |

## CABIN (CONTINUED)

|                                                                                                                                                                           |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| PULL-UP TYPE TOP FRONT WINDOW                                                                                                                                             | ● |
| REMOVABLE LOWER FRONT WINDOW WITH STORAGE BEHIND SEAT                                                                                                                     | ● |
| ADJUSTABLE SLIDING SIDE DOOR WINDOW                                                                                                                                       | ● |
| DEFROST, FRONT WINDOW                                                                                                                                                     | ● |
| LOCKABLE DOORS                                                                                                                                                            | ● |
| SEAT<br>- HEATED<br>- AIR SUSPENSION<br>- 2" (51 MM) SEAT BELT<br>- ADJUSTABLE HEIGHT & RECLINE<br>- ADJUSTABLE FORE/AFT<br>- ADJUSTABLE ARM RESTS                        | ● |
| LEATHERITTE SEAT<br>- HEATING & COOLING<br>- AIR SUSPENSION<br>- 2" (51 MM) SEAT BELT<br>- ADJUSTABLE HEIGHT & RECLINE<br>- ADJUSTABLE FORE/AFT<br>- ADJUSTABLE ARM RESTS | ■ |
| 3" (76 MM) SEAT BELT                                                                                                                                                      | ■ |
| CONTROL STANDS<br>- HEIGHT ADJUSTABLE<br>- MOUNTED TO SEAT BASE                                                                                                           | ● |
| STORAGE FOR OPERATOR'S MANUALS                                                                                                                                            | ● |
| MIRRORS                                                                                                                                                                   | ● |
| FULLY AUTOMATIC HVAC WITH AMBIENT TEMPERATURE SENSOR                                                                                                                      | ● |
| 8" MULTI-FUNCTION LCD INTERACTIVE DISPLAY MONITOR                                                                                                                         | ● |
| CIGARETTE LIGHTER                                                                                                                                                         | ● |
| DIGITAL AUDIO BROADCASTING STEREO                                                                                                                                         | ● |
| SPEAKERS (2)                                                                                                                                                              | ● |
| ANTENNA, ROOF-MOUNTED                                                                                                                                                     | ● |
| EMERGENCY BREAKOUT TOOL                                                                                                                                                   | ● |
| HOT/COLD BEVERAGE COMPARTMENT                                                                                                                                             | ● |
| POWER SOCKET, 12 V & 24 V                                                                                                                                                 | ● |
| CUP HOLDER                                                                                                                                                                | ● |
| INTERIOR LIGHT                                                                                                                                                            | ● |
| COAT HANGER                                                                                                                                                               | ● |
| RAIN SHIELD                                                                                                                                                               | ■ |
| FOG GUARD                                                                                                                                                                 | ■ |
| FRONT WINDOW GUARD                                                                                                                                                        | ■ |

## ELECTRICAL

|                                                      |   |
|------------------------------------------------------|---|
| SYSTEM VOLTAGE – 24 V                                | ● |
| ALTERNATOR – 24 V, 80 AMP                            | ● |
| 2 X 12 V BATTERIES, 100 AH RESERVE CAPACITY, 900 CCA | ● |
| BLADE-TYPE FUSE PANEL                                | ● |
| MAIN CIRCUIT BREAKER                                 | ● |
| LIGHT, WORK (LED): MACHINE (2), BOOM (2)             | ● |
| LIGHT, WORK (LED): 6 CAB TOP, FRONT (4), REAR (2)    | ■ |
| LIGHT, WORK (LED): 4 CAB TOP, FRONT (2), REAR (2)    | ■ |
| ROTATING BEACON                                      | ■ |

## ELECTRICAL (CONTINUED)

|                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| OVERLOAD WARNING ALARM                                                                                                                                                                                                                                                                                                                                                                                                              | ■ |
| HOURLY METER                                                                                                                                                                                                                                                                                                                                                                                                                        | ● |
| ENGINE RESTART PREVENTION SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                    | ● |
| SIDE VIEW & REARVIEW CAMERA WITH LED LAMPS (3)                                                                                                                                                                                                                                                                                                                                                                                      | ● |
| ALL-AROUND VIEW CAMERA 360°                                                                                                                                                                                                                                                                                                                                                                                                         | ■ |
| MICROPHONE & SPEAKER                                                                                                                                                                                                                                                                                                                                                                                                                | ■ |
| LAPTOP SERVICE PORT                                                                                                                                                                                                                                                                                                                                                                                                                 | ● |
| SELF-DIAGNOSTICS SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                             | ● |
| SMART KEY (REMOTE IGNITION KEY)                                                                                                                                                                                                                                                                                                                                                                                                     | ● |
| DOOSANCONNECT® TELEMATICS                                                                                                                                                                                                                                                                                                                                                                                                           | ● |
| <b>DISPLAY MONITOR &amp; WARNINGS</b>                                                                                                                                                                                                                                                                                                                                                                                               |   |
| INDICATORS<br>- WORK MODES (P+, P, S, E)<br>- USER/SERVICE MENU                                                                                                                                                                                                                                                                                                                                                                     | ● |
| GAUGES<br>- FUEL LEVEL<br>- DEF LEVEL<br>- ENGINE COOLANT TEMPERATURE<br>- HYDRAULIC OIL TEMPERATURE<br>- ENGINE RPM<br>- BATTERY VOLTAGE<br>- HYDRAULIC PUMP PRESSURE<br>- ECO<br>- DIGITAL CLOCK<br>- TRIP METER<br>- HOUR METER<br>- FUEL CONSUMPTION                                                                                                                                                                            | ● |
| WARNING & INDICATOR LIGHTS<br>- SEAT BELT<br>- ERROR CODE<br>- SCR WARNING<br>- CHECK ENGINE<br>- ENGINE OIL PRESSURE<br>- ENGINE PRE-HEAT ENGAGED<br>- RADIATOR COOLANT LEVEL & TEMPERATURE<br>- AIR FILTER<br>- FUEL LEVEL<br>- DEF LEVEL – LOW<br>- WATER IN FUEL<br>- BATTERY CHARGE<br>- WORK LIGHTS ON<br>- HYDRAULIC OIL TEMPERATURE<br>- HYDRAULIC CHARGE PRESSURE<br>- HYDRAULIC PILOT FILTER<br>- HYDRAULIC RETURN FILTER | ● |
| SWING ALARM                                                                                                                                                                                                                                                                                                                                                                                                                         | ● |
| TRAVEL ALARM                                                                                                                                                                                                                                                                                                                                                                                                                        | ● |
| BUZZER<br>- ENGINE OIL PRESSURE<br>- COOLANT TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                            | ● |

## UNDERCARRIAGE

|                                                         |   |
|---------------------------------------------------------|---|
| TRACK GUARDS & CHAINS WITH ADJUSTERS                    | ● |
| TRACK ROLLERS, UPPER                                    | 1 |
| TRACK ROLLERS, LOWER                                    | 7 |
| IN-SHOE MOTOR PROTECTION                                | ● |
| SHOES, TRIPLE GROUSER – 500 MM RUBBER SHOE (ROAD LINER) | ■ |
| SHOES, TRIPLE GROUSER – 500 MM                          | ■ |
| SHOES, TRIPLE GROUSER – 600 MM                          | ● |
| SHOES, TRIPLE GROUSER – 700 MM                          | ■ |
| DOZER BLADE, FRONT                                      | ■ |

## CONTROLS

|                                                                                                                                                   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---|
| JOYSTICK CONTROLS                                                                                                                                 | ● |
| PATTERN CONTROL CHANGE VALVE (SAE, ISO)                                                                                                           | ● |
| JOYSTICK ATTACHMENT CONTROL SWITCHES/BUTTONS<br>- RIGHT (ONE-WAY, TWO-WAY, POWER BOOST)<br>- LEFT (TILT/ROTATE, HORN, ONE-TOUCH DECEL)            | ● |
| FOOT PEDAL ATTACHMENT CONTROL                                                                                                                     | ● |
| CONTROL STANDS<br>- HEIGHT ADJUSTABLE<br>- SLIDING (FORE/AFT)<br>- TILTING ARM RESTS                                                              | ● |
| ENGINE SPEED CONTROL DIAL                                                                                                                         | ● |
| TRAVEL PEDALS WITH HAND LEVERS                                                                                                                    | ● |
| STRAIGHT TRAVEL PEDAL                                                                                                                             | ■ |
| SWITCHES, CONSOLE-MOUNTED<br>- STARTER BUTTON SWITCH<br>- TRAVEL SPEED SELECTOR<br>- WORK LIGHT<br>- AUXILIARY MODE SWITCH                        | ● |
| EMERGENCY STOP SWITCH                                                                                                                             | ● |
| POWER MODES (P+, P, S, E)                                                                                                                         | ● |
| WORK MODES (DIGGING, LIFTING, BREAKER, SHEAR)                                                                                                     | ● |
| SMART POWER CONTROL (SPC)                                                                                                                         | ● |
| JOG DIAL DISPLAY CONTROL                                                                                                                          | ● |
| WIPER CONTROL PANEL                                                                                                                               | ● |
| AUDIO CONTROL PANEL                                                                                                                               | ● |
| <b>OTHER</b>                                                                                                                                      |   |
| CENTRALIZED LUBRICATION<br>- BOOM<br>- SWING                                                                                                      | ● |
| HANDRAILS & SERVICE PLATFORMS                                                                                                                     | ● |
| SKID-RESISTANT STEPS & SERVICE PLATFORMS                                                                                                          | ● |
| MANUALS<br>- OPERATION & MAINTENANCE<br>- PARTS<br>- AEM SAFETY MANUAL                                                                            | ● |
| DOOSANCONNECT® 3-YEAR SUBSCRIPTION (TELEMATICS)                                                                                                   | ● |
| VANDALISM PROTECTION<br>- LOCKABLE PANELS<br>- LOCKABLE FLUID FILL POINTS<br>- ANTI-THEFT PROTECTION (PASSWORD)<br>- VANDALISM WINDOW COVER MOUNT | ■ |

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