

DEVELON

Crawler Excavator

DX140LCR-7



Engine

| | |
|---------------------------------------|-------------------------------------|
| Make | DEVELON |
| Model | G2 DM03 - D34 |
| Number of cylinders | 4 |
| Rated power, gross (hp per SAE J1995) | 115.3 hp (86.0 kW) @ 2000 rpm |
| Rated power, net (hp per SAE J1349) | 100.6 hp (75.0 kW) @ 2000 rpm |
| Max. torque, gross (SAE J1995) | 339.3 ft.-lb. (460.0 Nm) @ 1400 rpm |
| Displacement | 207.5 in. ³ (3.4 L) |
| Bore and stroke | 3.9" x 4.4" (98 mm x 113 mm) |
| Starter | 24 V, 6.7 hp (5.0 kW) |
| Battery | 2 x 12 V, 100 AH |
| Alternator | 24 V, 100 A |
| Air cleaner | Two-stage |

Hydraulics

| | |
|--------------------------|---------------------------------|
| Main pumps | 2 x 30.1 gpm (2 x 114.0 L/min.) |
| Pilot pump (gear design) | 7.9 gpm (30.0 L/min.) |

Working Pressure

| | |
|-------------------------------|----------------------------------------|
| Boom/arm/bucket (normal mode) | 4693.7 psi (330.0 kg/cm ²) |
| Boom/arm/bucket (power boost) | 4978.2 psi (350.0 kg/cm ²) |
| Travel | 4978.2 psi (350.0 kg/cm ²) |
| Swing | 3911.4 psi (275.0 kg/cm ²) |
| Pilot | 568.9 psi (40.0 kg/cm ²) |

Undercarriage

| | |
|----------------------------------|----|
| Upper rollers (each track) | 1 |
| Lower rollers (each track) | 7 |
| Number of shoes (links per side) | 46 |

Swing Mechanism

| | |
|--------------|---------------------------------|
| Swing speed | 0 - 10.1 rpm |
| Swing torque | 35355.0 lbf.-ft. (4888.0 kgf-m) |

Drive System

| | |
|-------------------------------------|--------------------------------|
| Travel speed (low - high) | 1.8 - 2.9 mph (2.9 - 4.7 km/h) |
| Traction force, max. (drawbar pull) | 33510.3 lbf. (15200.0 kgf) |
| 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. (205.0 L) |
| DEF tank | 6.6 gal. (25.0 L) |
| Cooling system (radiator capacity) | 6.7 gal. (25.5 L) |
| Engine oil (with filter) | 3.3 gal. (12.6 L) |
| Swing drive | 0.8 gal. (3.0 L) |
| Final drive (each side) | 0.5 gal. (2.0 L) |
| Hydraulic system | 33.8 gal. (128.0 L) |
| Hydraulic tank | 21.9 gal. (83.0 L) |

All capacities are approximate values. Always refer to the machine's OM for exact refill levels. Check the dipstick, level eye, level plug, etc., to achieve the correct level.

Hydraulic Cylinders

| | |
|------------------------------------------------------|---------------------------------------------------|
| Boom ¹ (2) bore x rod diameter x stroke | 4.3" x 3.0" x 43.4" (110 mm x 75 mm x 1103 mm) |
| Arm ^{1,2} (1) bore x rod diameter x stroke | 4.5" x 3.1" x 43.6" (115 mm x 80 mm x 1108 mm) |
| Bucket ¹ (1) bore x rod diameter x stroke | 3.9" x 2.8" x 35.4" (100 mm x 70 mm x 900 mm) |

¹ Cushion on rod end

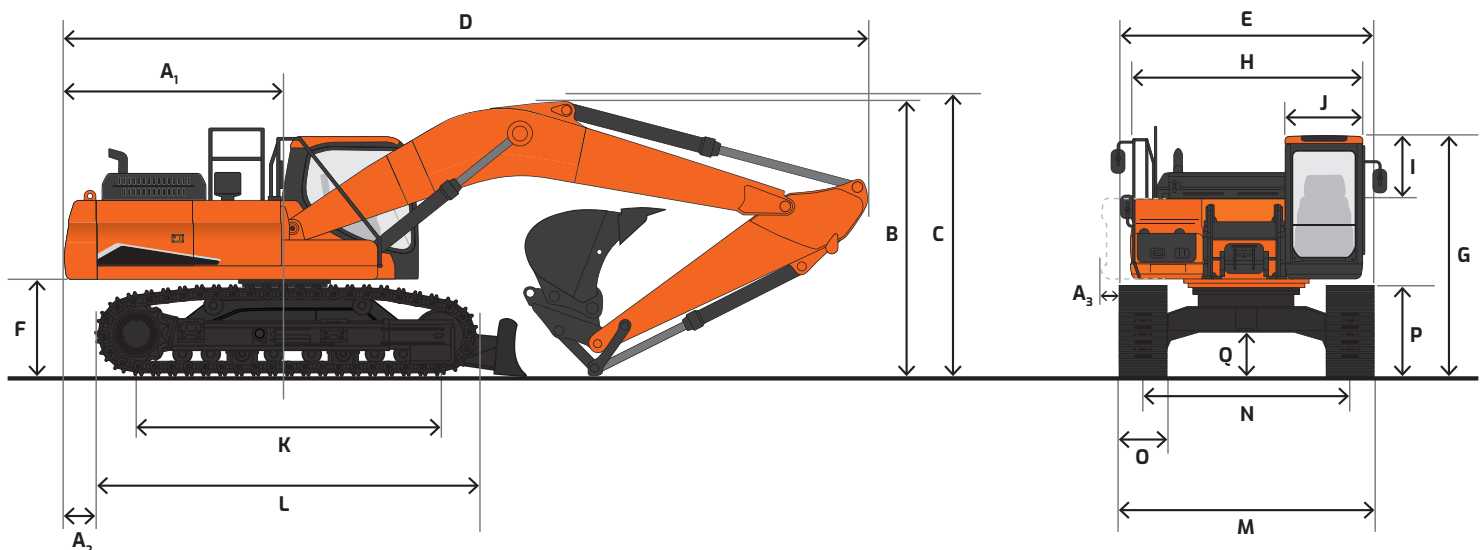
² Cushion on base end

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.

Dimensions

| | | Standard Arm 23.6" (600 mm) TG Shoe (US20) | Standard Arm & Dozer Blade 19.7" (500 mm) TG Shoe (US30) | | 23.6" (600 mm) TG Shoe (US40) | 27.6" (700 mm) TG Shoe (US50) |
|----------------------------|----------------|--------------------------------------------------|----------------------------------------------------------------|-------------------|----------------------------------|----------------------------------|
| Boom length | | 15' 1.1" (4600 mm) | | | | |
| Arm length | | 9' 10.1" (3000 mm) | | | | |
| Bucket size (SAE) | | 0.67 yd ³ (0.51 m ³) | | | | |
| Tail swing radius | A ₁ | 5' 0.0" (1524 mm) | | | | |
| Tail swing overhang (rear) | A ₂ | -1' 1.9" (-353 mm) | | | | |
| Tail swing overhang (side) | A ₃ | 9.1" (230 mm) | 11.0" (280 mm) | 9.1" (230 mm) | 7.1" (180 mm) | |
| Shipping height (boom) | B | 10' 0.5" (3060 mm) | | | | |
| Shipping height (hose) | C | 10' 3.4" (3135 mm) | | | | |
| Shipping length | D | 23' 11.9" (7313 mm) | 26' 2.6" (7990 mm) | | | |
| Shipping width | E | 8' 6.0" (2590 mm) | 8' 2.0" (2490 mm) | 8' 6.0" (2590 mm) | 8' 9.9" (2690 mm) | |
| Counterweight clearance* | F | 2' 11.2" (895 mm) | | | | |
| Cabin height | G | 9' 5.2" (2874.5 mm) | | | | |
| Upper structure width | H | 8' 0.1" (2440 mm) | | | | |
| Cabin height above house | I | 2' 3.4" (697 mm) | | | | |
| Cabin width | J | 3' 4.2" (1022 mm) | | | | |
| Tumbler distance | K | 9' 11.4" (3034 mm) | | | | |
| Overall track length | L | 12' 3.8" (3754 mm) | | | | |
| Undercarriage width | M | 8' 6.0" (2590 mm) | 8' 2.0" (2490 mm) | 8' 6.0" (2590 mm) | 8' 9.9" (2690 mm) | |
| Track gauge width | N | 6' 6.3" (1990 mm) | | | | |
| Track shoe width | O | 23.6" (600 mm) | 19.7" (500 mm) | 23.6" (600 mm) | 27.6" (700 mm) | |
| Track height* | P | 2' 5.3" (743 mm) | | | | |
| Car body clearance* | Q | 1' 3.0" (382 mm) | | | | |

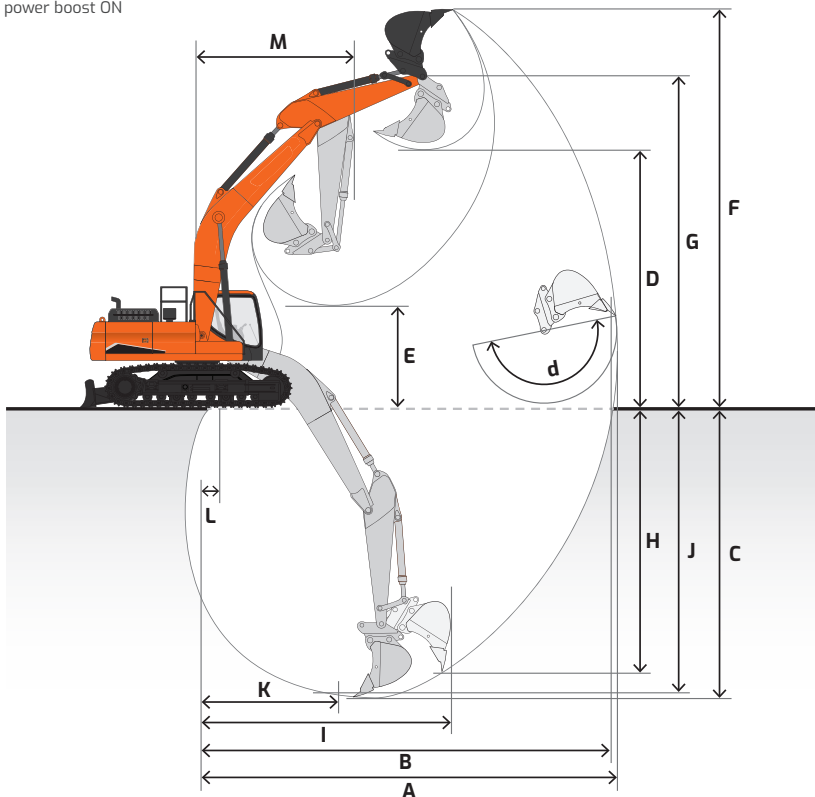
*Without shoe grouser



Working Range

| | | Standard Arm 23.6" (600 mm) TG Shoe (US20) | Standard Arm & Dozer Blade 19.7" (500 mm) TG Shoe (US30) | | 23.6" (600 mm) TG Shoe (US40) | 27.6" (700 mm) TG Shoe (US50) |
|-----------------------------|-----|--------------------------------------------------|----------------------------------------------------------------|------------------------------------|------------------------------------|----------------------------------|
| Boom length | | 15' 1.1" (4600 mm) | | | | |
| Arm length | | 9' 10.1" (3000 mm) | | | | |
| Bucket size (SAE) | | 0.67 yd ³ (0.51 m ³) | | | | |
| Counterweight | | 7040 lb. (3200 kg) | | | | |
| Track type | | Fixed | | | | |
| Max. digging reach | A | 28' 5.1" (8665 mm) | | | | |
| Max. digging reach (ground) | B | 27' 11.8" (8530 mm) | | | | |
| Max. digging depth | C | 19' 7.6" (5985 mm) | | | | |
| Max. loading height | D | 23' 2.7" (7080 mm) | | | | |
| Min. loading height | E | 6' 11.5" (2120 mm) | | | | |
| Max. digging height | F | 31' 0.8" (9470 mm) | | | | |
| Max. bucket pin height | G | 27' 2.8" (8300 mm) | | | | |
| Max. vertical wall depth | H | 15' 4.3" (4680 mm) | | | | |
| Max. radius vertical | I | 19' 7.0" (5970 mm) | | | | |
| Max. depth to 8' line | J | 18' 11.0" (5765 mm) | | | | |
| Min. radius to 8' line | K | 6' 8.3" (2040 mm) | | | | |
| Min. digging reach | L | -5.1" (-130 mm) | | | | |
| Min. swing radius | M | 7' 7.3" (2320 mm) | | | | |
| Bucket angle (DEG) | d | 174° | | | | |
| Digging force, bucket* | ISO | 24471.3 lbf. (11100 kgf) | | | | |
| Digging force, arm* | | 13227.7 lbf. (6000 kgf) | | | | |
| Operating weight | | 34017 lb. (15430 kg) | 35726 lb. (16205 kg) | 36277 lb. (16455 kg) | 36817 lb. (16700 kg) | |
| Ground pressure | | 5.5 psi (0.39 kg/cm ²) | 6.7 psi (0.47 kg/cm ²) | 6.0 psi (0.42 kg/cm ²) | 5.3 psi (0.37 kg/cm ²) | |

*With power boost ON













Lifting Capacity

 Rating over front  Rating over side or 360°

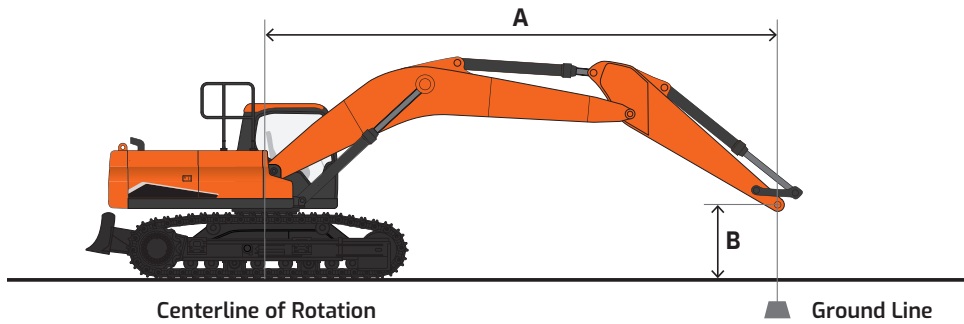
DX140LCR-7 US20

Boom: 15' 1.1" (4600 mm) | Arm: 9' 10.1" (3000 mm) | Counterweight: 7040 lb. (3200 kg) | 23.6" (600 mm) TG Shoes | No Dozer | Bucket: None | Unit: lb. (kg)

| A (ft. or m) B (ft. or m) | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.5 m) | | 20' (6.0 m) | | Max. Reach | | |
|------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
| |  |  |  |  |  |  |  |  |  |  | A |
| 25' (7.5 m) | | | | | | | | | * 5340 (* 2420) | * 5340 (* 2420) | 14.24' (4.34 m) |
| 20' (6.0 m) | | | | | * 7220 (* 3280) | * 7220 (* 3280) | | | * 4510 (* 2050) | * 4510 (* 2050) | 19.41' (5.91 m) |
| 15' (4.5 m) | | | | | * 7850 (* 3560) | * 7850 (* 3560) | * 7070 (* 3210) | 5340 (2420) | * 4280 (* 1940) | 4270 (1940) | 22.37' (6.82 m) |
| 10' (3.0 m) | | | * 12820 (* 5810) | * 12820 (* 5810) | * 10490 (* 4760) | 8070 (3660) | 8060 (3660) | 5150 (2340) | * 4320 (* 1960) | 3720 (1690) | 23.95' (7.30 m) |
| 5' (1.5 m) | | | * 20470 (* 9290) | 13710 (6220) | 12210 (5540) | 7480 (3390) | 7780 (3530) | 4900 (2220) | * 4590 (* 2080) | 3500 (1590) | 24.44' (7.45 m) |
| Ground Level | | | * 18400 (* 8350) | 12740 (5780) | 11680 (5300) | 7020 (3190) | 7540 (3420) | 4680 (2120) | * 5170 (* 2350) | 3540 (1600) | 23.91' (7.29 m) |
| -5' (-1.5 m) | * 11470 (* 5200) | * 11470 (* 5200) | * 22330 (* 10130) | 12510 (5670) | 11430 (5190) | 6810 (3090) | 7420 (3370) | 4570 (2070) | 6240 (2830) | 3870 (1760) | 22.28' (6.79 m) |
| -10' (-3.0 m) | * 18080 (* 8200) | * 18080 (* 8200) | * 21050 (* 9550) | 12650 (5740) | 11470 (5200) | 6840 (3100) | | | 7740 (3510) | 4780 (2170) | 19.25' (5.87 m) |
| -15' (-4.5 m) | | | * 14540 (* 6600) | 13170 (5970) | | | | | * 9750 (* 4420) | 7810 (3540) | 13.92' (4.24 m) |

A Distance from center of rotation
B Height

NOTE: Lifting 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.















Lifting Capacity

 Rating over front  Rating over side or 360°













DX140LCR-7 US40

Boom: 15' 1.1" (4600 mm) | Arm: 9' 10.1" (3000 mm) | Counterweight: 7040 lb. (3200 kg) | 23.6" (600 mm) TG Shoes | Dozer Up | Bucket: None | Unit: lb. (kg)

| B (ft. or m) | A (ft. or m) | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.5 m) | | 20' (6.0 m) | | Max. Reach | | A |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
| |  |  |  |  |  |  |  |  |  |  |  |  | |
| 25' (7.5 m) | | | | | | | | | | | * 5340 (* 2420) | * 5340 (* 2420) | 14.24' (4.34 m) |
| 20' (6.0 m) | | | | | | | * 7220 (* 3280) | * 7220 (* 3280) | | | * 4510 (* 2050) | * 4510 (* 2050) | 19.41' (5.91 m) |
| 15' (4.5 m) | | | | | | | * 7850 (* 3560) | * 7850 (* 3560) | * 7070 (* 3210) | 5710 (2590) | * 4280 (* 1940) | * 4280 (* 1940) | 22.37' (6.82 m) |
| 10' (3.0 m) | | | * 12820 (* 5810) | * 12820 (* 5810) | * 10490 (* 4760) | 8610 (3910) | 8040 (3650) | 5530 (2510) | * 4320 (* 1960) | 4020 (1820) | * 4320 (* 1960) | 4020 (1820) | 23.95' (7.30 m) |
| 5' (1.5 m) | | | * 20470 (* 9290) | 14670 (6660) | 12170 (5520) | 8020 (3640) | 7760 (3520) | 5280 (2390) | * 4590 (* 2080) | 3790 (1720) | * 4590 (* 2080) | 3790 (1720) | 24.44' (7.45 m) |
| Ground Level | | | * 18400 (* 8350) | 13700 (6210) | 11650 (5280) | 7560 (3430) | 7520 (3410) | 5060 (2290) | * 5170 (* 2350) | 3830 (1740) | * 5170 (* 2350) | 3830 (1740) | 23.91' (7.29 m) |
| -5' (-1.5 m) | * 11470 (* 5200) | * 11470 (* 5200) | * 22330 (* 10130) | 13470 (6110) | 11400 (5170) | 7350 (3330) | 7400 (3360) | 4950 (2240) | 6220 (2820) | 4190 (1900) | 6220 (2820) | 4190 (1900) | 22.28' (6.79 m) |
| -10' (-3.0 m) | * 18080 (* 8200) | * 18080 (* 8200) | * 21050 (* 9550) | 13610 (6170) | 11430 (5190) | 7380 (3350) | | | 7720 (3500) | 5170 (2340) | 7720 (3500) | 5170 (2340) | 19.25' (5.87 m) |
| -15' (-4.5 m) | | | * 14540 (* 6600) | 14130 (6410) | | | | | * 9750 (* 4420) | 8400 (3810) | * 9750 (* 4420) | 8400 (3810) | 13.92' (4.24 m) |

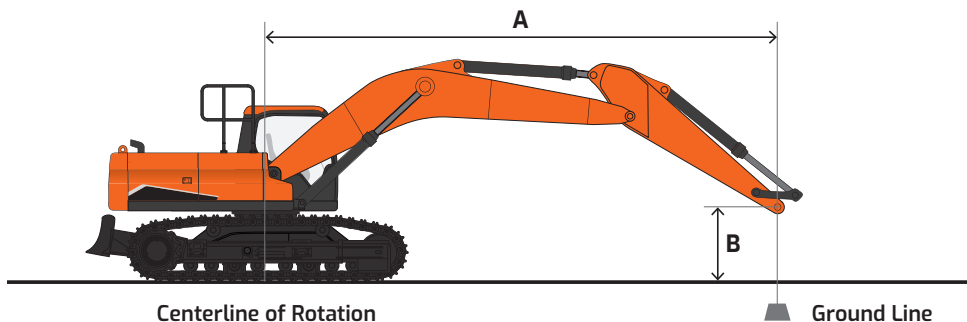
DX140LCR-7 US40

Boom: 15' 1.1" (4600 mm) | Arm: 9' 10.1" (3000 mm) | Counterweight: 7040 lb. (3200 kg) | 23.6" (600 mm) TG Shoes | Dozer Down | Bucket: None | Unit: lb. (kg)

| B (ft. or m) | A (ft. or m) | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.5 m) | | 20' (6.0 m) | | Max. Reach | | A |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
| |  |  |  |  |  |  |  |  |  |  |  |  | |
| 25' (7.5 m) | | | | | | | | | | | * 5340 (* 2420) | * 5340 (* 2420) | 14.24' (4.34 m) |
| 20' (6.0 m) | | | | | | | * 7220 (* 3280) | * 7220 (* 3280) | | | * 4510 (* 2050) | * 4510 (* 2050) | 19.41' (5.91 m) |
| 15' (4.5 m) | | | | | | | * 7850 (* 3560) | * 7850 (* 3560) | * 7070 (* 3210) | * 7070 (* 3210) | * 4280 (* 1940) | * 4280 (* 1940) | 22.37' (6.82 m) |
| 10' (3.0 m) | | | * 12820 (* 5810) | * 12820 (* 5810) | * 10490 (* 4760) | * 10490 (* 4760) | * 8890 (* 4030) | 7080 (3210) | * 4320 (* 1960) | * 4320 (* 1960) | * 4320 (* 1960) | * 4320 (* 1960) | 23.95' (7.30 m) |
| 5' (1.5 m) | | | * 20470 (* 9290) | 20180 (9150) | * 13160 (* 5970) | 10480 (4750) | * 10340 (* 4690) | 6820 (3090) | * 4590 (* 2080) | * 4590 (* 2080) | * 4590 (* 2080) | * 4590 (* 2080) | 24.44' (7.45 m) |
| Ground Level | | | * 18400 (* 8350) | * 18400 (* 8350) | * 15130 (* 6860) | 9990 (4530) | * 11260 (* 5110) | 6590 (2990) | * 5170 (* 2350) | 4990 (2260) | * 5170 (* 2350) | 4990 (2260) | 23.91' (7.29 m) |
| -5' (-1.5 m) | * 11470 (* 5200) | * 11470 (* 5200) | * 22330 (* 10130) | 18810 (8530) | * 15610 (* 7080) | 9760 (4430) | * 11370 (* 5160) | 6470 (2940) | * 6300 (* 2860) | 5470 (2480) | * 6300 (* 2860) | 5470 (2480) | 22.28' (6.79 m) |
| -10' (-3.0 m) | * 18080 (* 8200) | * 18080 (* 8200) | * 21050 (* 9550) | 18980 (8610) | * 14210 (* 6440) | 9790 (4440) | | | * 8900 (* 4040) | 6750 (3060) | * 8900 (* 4040) | 6750 (3060) | 19.25' (5.87 m) |
| -15' (-4.5 m) | | | * 14540 (* 6600) | * 14540 (* 6600) | | | | | * 9750 (* 4420) | * 9750 (* 4420) | * 9750 (* 4420) | * 9750 (* 4420) | 13.92' (4.24 m) |

A Distance from center of rotation
B Height

NOTE: Lifting 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.















Lifting Capacity

 Rating over front  Rating over side or 360°













DX140LCR-7 US50

Boom: 15' 1.1" (4600 mm) | Arm: 9' 10.1" (3000 mm) | Counterweight: 7040 lb. (3200 kg) | 27.6" (600 mm) TG Shoes | Dozer Up | Bucket: None | Unit: lb. (kg)

| B (ft. or m) | A (ft. or m) | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.5 m) | | 20' (6.0 m) | | Max. Reach | | A |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
| |  |  |  |  |  |  |  |  |  |  |  |  | |
| 25' (7.5 m) | | | | | | | | | | | * 5340 (* 2420) | * 5340 (* 2420) | 14.24' (4.34 m) |
| 20' (6.0 m) | | | | | | | | | | | * 4520 (* 2050) | * 4520 (* 2050) | 19.41' (5.91 m) |
| 15' (4.5 m) | | | | | | | | | | | * 4280 (* 1940) | * 4280 (* 1940) | 22.37' (6.82 m) |
| 10' (3.0 m) | | | * 12820 (* 5820) | * 12820 (* 5820) | * 10500 (* 4760) | 8750 (3970) | 8180 (3710) | 5630 (2550) | * 4330 (* 1960) | 4100 (1860) | | | 23.95' (7.30 m) |
| 5' (1.5 m) | | | * 20480 (* 9290) | 14910 (6770) | 12380 (5610) | 8160 (3700) | 7900 (3580) | 5370 (2440) | * 4600 (* 2090) | 3870 (1760) | | | 24.44' (7.45 m) |
| Ground Level | | | * 18400 (* 8350) | 13940 (6320) | 11850 (5370) | 7700 (3490) | 7660 (3470) | 5150 (2340) | * 5180 (* 2350) | 3910 (1780) | | | 23.91' (7.29 m) |
| -5' (-1.5 m) | * 11460 (* 5200) | * 11460 (* 5200) | * 22320 (* 10130) | 13710 (6220) | 11600 (5260) | 7490 (3400) | 7540 (3420) | 5040 (2290) | * 6300 (* 2860) | 4280 (1940) | | | 22.28' (6.79 m) |
| -10' (-3.0 m) | * 18070 (* 8200) | * 18070 (* 8200) | * 21060 (* 9550) | 13850 (6280) | 11640 (5280) | 7520 (3410) | | | | 7860 (3560) | 5270 (2390) | | 19.25' (5.87 m) |
| -15' (-4.5 m) | | | * 14550 (* 6600) | 14370 (6520) | | | | | * 9760 (* 4430) | 8550 (3880) | | | 13.92' (4.24 m) |

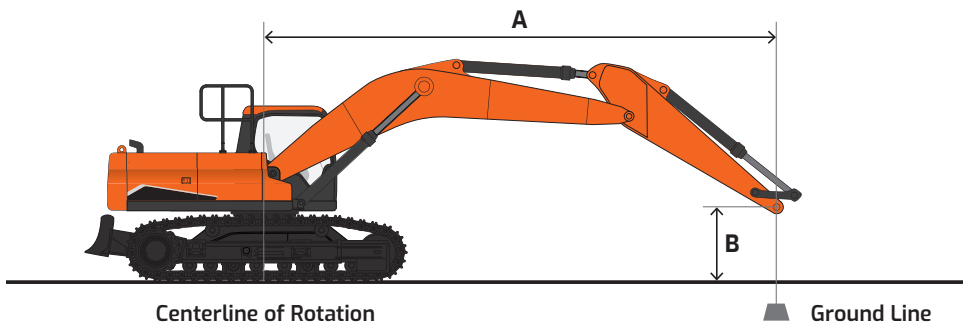
DX140LCR-7 US50

Boom: 15' 1.1" (4600 mm) | Arm: 9' 10.1" (3000 mm) | Counterweight: 7040 lb. (3200 kg) | 27.6" (600 mm) TG Shoes | Dozer Down | Bucket: None | Unit: lb. (kg)

| B (ft. or m) | A (ft. or m) | | 5' (1.5 m) | | 10' (3.0 m) | | 15' (4.5 m) | | 20' (6.0 m) | | Max. Reach | | A |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
| |  |  |  |  |  |  |  |  |  |  |  |  | |
| 25' (7.5 m) | | | | | | | | | | | * 5340 (* 2420) | * 5340 (* 2420) | 14.24' (4.34 m) |
| 20' (6.0 m) | | | | | | | | | | | * 4520 (* 2050) | * 4520 (* 2050) | 19.41' (5.91 m) |
| 15' (4.5 m) | | | | | | | | | | | * 4280 (* 1940) | * 4280 (* 1940) | 22.37' (6.82 m) |
| 10' (3.0 m) | | | * 12820 (* 5820) | * 12820 (* 5820) | * 10500 (* 4760) | * 10500 (* 4760) | * 8900 (* 4040) | 7570 (3430) | * 4330 (* 1960) | * 4330 (* 1960) | | | 23.95' (7.30 m) |
| 5' (1.5 m) | | | * 20480 (* 9290) | * 20480 (* 9290) | * 13170 (* 5970) | 11260 (5110) | * 10350 (* 4700) | 7300 (3310) | * 4600 (* 2090) | * 4600 (* 2090) | | | 24.44' (7.45 m) |
| Ground Level | | | * 18400 (* 8350) | * 18400 (* 8350) | * 15140 (* 6870) | 10760 (4880) | * 11270 (* 5110) | 7070 (3210) | * 5180 (* 2350) | * 5180 (* 2350) | | | 23.91' (7.29 m) |
| -5' (-1.5 m) | * 11460 (* 5200) | * 11460 (* 5200) | * 22320 (* 10130) | 20540 (9320) | * 15620 (* 7090) | 10520 (4770) | * 11380 (* 5160) | 6960 (3150) | * 6300 (* 2860) | 5870 (2660) | | | 22.28' (6.79 m) |
| -10' (-3.0 m) | * 18070 (* 8200) | * 18070 (* 8200) | * 21060 (* 9550) | 20710 (9390) | * 14220 (* 6450) | 10550 (4790) | | | * 8910 (* 4040) | 7250 (3290) | | | 19.25' (5.87 m) |
| -15' (-4.5 m) | | | * 14550 (* 6600) | 14370 (6500) | | | | | * 9760 (* 4430) | 8550 (3880) | | | 13.92' (4.24 m) |

A Distance from center of rotation
B Height

NOTE: Lifting 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 ● Optional

Engine

| | |
|-------------------------------------------------|---|
| Emissions (EPA), T4f | ■ |
| High-pressure common-rail (HPCR) | ■ |
| Turbo, waste gate (WGT) | ■ |
| Diesel oxidation catalyst (DOC) | ■ |
| Selective catalytic 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 | ■ |
| Water separator with heater | ■ |
| Fuel filler pump | ● |

Hydraulic

| | |
|--------------------------------------------------|---|
| Mechatronics Design | ■ |
| 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 | ■ |
| 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 | ● |

Controls

| | |
|-----------------------------------------------|---|
| Joystick controls | ■ |
| Pattern control change valve (SAE, ISO) | ■ |
| Joystick attachment control, switches/buttons | ■ |
| - Right (one-way, two-way, power boost) | ■ |
| - Left (tilt/rotate, horn, one-touch decel) | ■ |
| Foot pedal attachment control | ■ |
| Control stands | ■ |
| - Height adjustable | ■ |
| - Sliding (fore/aft) | ■ |
| - Tilting armrests | ■ |
| Engine speed control dial | ■ |
| Travel pedals with hand levers | ■ |
| Straight travel pedal | ● |
| Switches, console-mounted | ■ |
| - Starter button switch | ■ |
| - Travel speed selector | ■ |
| - Work light | ■ |
| - 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 | ■ |

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 | ■ |
| Pull-up type top front window | ■ |
| Removable lower front window with storage behind seat | ■ |
| Wiper, lower window | ■ |
| Adjustable sliding side door window | ■ |
| Defrost, front window | ■ |
| Lockable doors | ■ |
| Seat | ■ |
| - Heated | ■ |
| - Air-suspension | ■ |
| - 2" (51 mm) seat belt | ■ |
| - Adjustable height & recline | ■ |
| - Adjustable fore/aft | ■ |
| - Adjustable armrests | ■ |
| Leatherette seat | ■ |
| - Heating & cooling | ■ |
| - Air-suspension | ■ |
| - 2" (51 mm) seat belt | ● |
| - Adjustable height & recline | ■ |
| - Adjustable fore/aft | ■ |
| - Adjustable armrests | ■ |
| Control stands | ■ |
| - Height adjustable | ■ |
| - Mounted to seat base | ■ |
| Storage for operator's manuals | ■ |
| Mirrors | ■ |
| Fully automatic HVAC with radian energy photo sensor | ■ |
| 8" multi-function LCD interactive display monitor | ■ |
| Cigarette lighter | ■ |
| Digital Bluetooth® & MP3 radio with cell phone integration | ■ |
| 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, 100 A | ■ |
| 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 | ■ |
| Overload warning alarm | ● |
| Hour meter | ■ |
| Engine restart prevention system | ■ |
| Side view & rearview camera with LED lamps (3) | ■ |
| Around view camera | ● |
| Microphone & speaker | ● |
| Laptop service port | ■ |
| Self-diagnostics system | ■ |
| Smart key (remote ignition key) | ■ |
| MY DEVELON (telematics) | ■ |

Display Monitor & Warnings

| | |
|----------------------------------------|---|
| Indicators | ■ |
| - Power modes | ■ |
| - Work modes | ■ |
| - User/Service menu | ■ |
| Gauges | ■ |
| - Fuel level | ■ |
| - DEF level | ■ |
| - Engine coolant temperature | ■ |
| - Hydraulic oil temperature | ■ |
| - Engine rpm | ■ |
| - Battery voltage | ■ |
| - Hydraulic pump pressure | ■ |
| - ECO | ■ |
| - Digital clock | ■ |
| - Trip meter | ■ |
| - Hour meter | ■ |
| - Fuel consumption | ■ |
| Warning & indicator lights | ■ |
| - Seat belt | ■ |
| - Error code | ■ |
| - SCR warning | ■ |
| - Check engine | ■ |
| - Engine oil pressure | ■ |
| - Engine pre-heat engaged | ■ |
| - Radiator coolant level & temperature | ■ |
| - Air filter | ■ |
| - Fuel level | ■ |
| - DEF level – low | ■ |
| - Water in fuel | ■ |
| - Battery charge | ■ |
| - Work lights on | ■ |
| - Hydraulic oil temperature | ■ |
| - Hydraulic charge pressure | ■ |
| - Hydraulic pilot filter | ■ |
| - Hydraulic return filter | ■ |
| Swing alarm | ■ |
| Travel alarm | ■ |
| Buzzer | ■ |
| - Engine oil pressure | ■ |
| - 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 | ● |

Other

| | |
|---------------------------------------------|---|
| Centralized lubrication | ■ |
| - Boom | ■ |
| - Swing | ■ |
| Handrails & service platforms | ■ |
| Skid-resistant steps & service platforms | ■ |
| Manuals | ■ |
| - Operation & Maintenance | ■ |
| - AEM Safety Manual | ■ |
| MY DEVELON 3-year subscription (telematics) | ■ |
| Vandalism protection | ■ |
| - Lockable panels | ■ |
| - Lockable fluid fill points | ■ |
| - Anti-theft protection (password) | ■ |
| - Window cover mount | ■ |

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual DEVELON equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of DEVELON units may show other than standard equipment.

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