

> We are DEVELON

DEVELON is powered by 88 years of trusted engineering expertise and proven quality.
We transform this legacy into smart products and digital solutions that move the industry forward.

Built on trust and driven by innovation,
DEVELON remains dedicated to maximizing customer value in the future.

Powered by **Innovation**



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The specifications of individual DEVELON equipment may vary due to normal changes in design, manufacturing, operational conditions, and other factors. Some images of DEVELON equipment may show non-standard configurations.

<https://global.develon-ce.com>

DEVELON

Excavators

DX220LCA-2H DX220A-2H





BEST-IN CLASS PERFORMANCE

- Hydraulic flow summation
- Regeneration system
- Excellent digging forces
- Swing priority



OPERATOR COMFORT

- Spacious cabin
- Fully adjustable seat
- Enhanced visibility
- User friendly functionality



IMPROVED FUEL EFFICIENCY

- New ECO mode
- Fuel saving kit
- Electro hydraulic system
- Auto deceleration system
- Efficient breaker mode

SIMPLIFIED MAINTENANCE

- Easy serviceability
- Extended maintenance
- Large capacity fluid tank
- Low life cycle cost

INCREASED MACHINE DURABILITY

- Strengthened undercarriage
- Proven upper structure
- Forged ring body
- Reinforced front attachment

PARTS & SUPPORT

- Genuine parts
- Max parts availability
- On-site product support
- My DEVELON

DESIGN FOR PERFECT WORK



Photo may include optional equipment.

PERFORMANCE

PRIDE AT WORK

DEVELON construction equipment strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. New technologies designed to improve performance and precision make the DEVELON excavator smooth, fast and easy to control. Take pride in your work with DEVELON!



HYDRAULIC SYSTEM

Electro hydraulic control system provides wide range of flow at various workloads for paramount productivity. Open center design of Main Control Valve (MCV) ensures fast response and maximum efficiency in tough conditions.



ENGINE

The water cooled, 4 cycle diesel, 6 cylinder in line, direct injection turbocharged, charge air cooled engine is built for power, reliability, efficiency. The engine is manufactured to perform in a wide range of heat, humidity and dust conditions without compromising productivity.

CHOICE OF OPERATING MODE

Working Mode	Advantage
H Mode	• Maximum Power • Fast Cycle time
S Mode	• Balance between power and fuel efficiency
Eco Mode	• Better fuel efficiency
Breaker Mode	• Sets pump flow to optimal level and boosts efficiency



EFFICIENT COMBINED OPERATION

Inbuilt flow summation system and swing priority function leads to faster swing cycle results in excellent output.



BEST IN CLASS TRAVEL PERFORMANCE

- Higher traction force
 - Dual travel option
 - High maneuverability
- Traction Force: 22,802 kgf



DIGGING FORCES

- Higher output even in tough working conditions
- Bucket: 15,204 kgf
 - Arm: 10,901 kgf

*Photo may include optional equipment.

FUEL EFFICIENCY

IMPROVED FUEL EFFICIENCY

Power & working mode options results in excellent fuel efficiency.

FUEL SAVING KIT

- Monitor undue load and cut down losses.
- Provides better fuel efficiency.



NEGATIVE FLOW CONTROL

Optimum balance between pump and engine output for better fuel efficiency.



ONE TOUCH IDLE & AUTO DECELERATION

Prevents fuel losses by reducing engine rpm during no-load condition.

EXCLUSIVE BREAKER MODE

Excellent fuel saving due to exclusive power for breaker operation.

ARM REGENERATION SYSTEM

- Smooth operation
- Prevent cavitation
- Increased performance & fuel efficiency



Photo may include optional equipment.

OPERATOR COMFORT



OPERATOR DELIGHT

More space, better visibility, powerful air-conditioning and adjustable fully suspension seat, easy to access controls ensure that the operator can work for longer hours without stress or fatigue in the comfortable and safe working environment.



360 degree visibility, fully open sunroof, added side laml & mirror ensure comfortable, safe working environment

INSTRUMENT PANEL

The user-friendly multi language option cluster making it easy to check all critical systems like:

- Hydraulic oil temperature
- Coolant temperature
- Fuel level
- Self diagnostic checks
- Maintenance management
- Optimizing productivity needs ensuring fuel efficiency

OPERATOR SEAT

Easily adjustable fully suspension seat with adjustable arm rest.



SPACIOUS CABIN

More head room, large space, large door for easy entry and exit.



AIR CONDITIONER

- High performance air conditioner
- improved AC ducting.
- Sun visor
- Water bottle cooling system

EMERGENCY SHUTDOWN SWITCH



RELIABILITY



REINFORCED FRONT STRUCTURE
Use of specialized advance steel plates and reinforced design for higher strength and durability.

ULTIMATE RELIABILITY



Reinforced idler frame



Lower frame belly guard



1 pc cast H link



Reinforced bucket link



SWING & TRAVEL SYSTEM
Highly efficient DEVELON designed swing and travel system ensure maximum reliability & performance.



HD TRACK LINK



ROCK GUARD



TANK SAFETY COVER



ELIABLE ELECTRICALS
• Dust and water proof connectors
• Longer component life



AIR PRE-CLEANER
• Removes dirt and debris from air before entering air filter
• Improves air filter life
• Low maintenance cost



RUGGED UNDERCARRIAGE
X frame provides excellent resistance to torsional bending to enhance structure life.

SERVICEABILITY

LEADING SERVICE INTERVAL
More efficient cooling system which extend service intervals, minimize operating cost and reduce machine down time.

CHANGE INTERVAL	
Hydraulic oil	• 2,000 hrs
Hydraulic filter	• 250 hrs
Engine oil	• 500 hrs
Engine Filter	• 500 hrs

LARGE LCD MONITOR
Operator can check the machine's vital signs without any difficulties.
• Maintenance Management: Proactive maintenance
• Self Diagnostic: Reduces down time
• Warning Indicator: Ensures safe working



IMPROVED COOLING EFFICIENCY
• Radiator and oil cooler are arranged in line to maximize efficiency.
• Easily accessible from ground level to clean.



DURABLE MOUNTING PIN BUSH



EASY ACCESSIBILITY
Easy access for maintenance means regular checks get done faster. MY DEVELON feature easy service access to increase uptime and reduce operating costs.

SPECIFICATIONS

ENGINE

Maker/Model				CUMMINS B5.9
Rated flywheel horse power	ISO SAE	14396(Gross) J1349 (Net)	140 HP (104KW) @2.000rpm 129 HP (96.1KW) @2.000rpm	
Max Torque Displacement		565 Nm @ 1400 rpm 5,900 cc		

HYDRAULIC SYSTEM

Main pump	
Type	Variable Displacement AXIAL PISTON PUMP
Max. flow	2 x 203 l/min
Sub-pump for pilot circuit	Fixed Displacement Gear pump

HYDRAULIC MOTORS

Travel	Two speed axis piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTINGS

Implement Circuit	350kgf/cm ²
Travel	350kgf/cm ²
Swing Circuit	260kgf/cm ²
Pilot Circuit	4kgf/cm ²

COOLANT & LUBRICANT CAPACITY

REFILLING	LITER
Fuel tank	340
Engine coolant	25.5
Engine oil	19
Swing device	5
Final drive (each)	6.0
Hydraulic system / Hydraulic tank	220 / 150

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor in-shoe design
Reduction system	Planetary reduction gear
Max/driving pull	22,800kgf (55,265lbf)
Max.travel speed (high/low)	5.8 kmph / 3.2 kmph
Gradeability	35 Degree (70%)
Parking brake	Multi wet disc

UNDERCARRIAGE

X-Leg type centre frame is integrally welded with reinforced box section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprockets and trackchain with triple grouse shoes.

Centre frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	45 for STD Track, 49 for LC Track
No. of carrier rollers each side	2
No. of track rollers, each side	7 for STD Track, 8 for LC Track
No. of rail guard each side	1 for STD track, 2 for LC track

SWING SYSTEM

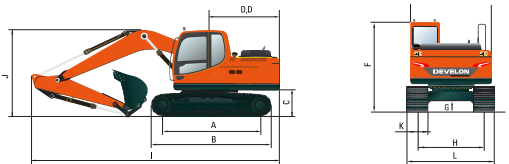
Swing motor	Hydraulic piston motor
Swing reduction	2 Stage reduction gear
Swing bearing lubrication	Grease bathed
Swing brake	Multi wet disc
Swing speed	11 rpm

OPERATING WEIGHT

Shoe Width mm (in)	Operating weight Ton (lb)		Ground pressure kgf/cm ² (psi)	
	LC Track	STD Track	LC Track	STD Track
600 (24")	21.7 (47,920)	20.8 (45,890)	0.46 (6.6)	0.49 (7)

DIMENSIONS

(mm)

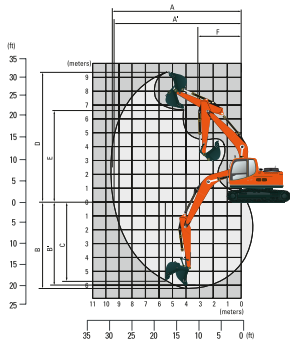


	LC	STD
A Tumbler distance	3,650	3,270
B Overall length of crawler	4,440	
C Ground clearance of counter weight	1,048	
D Tail swing radius	2,845	
E Overall width of upper structure	2,770	
F Overall height of cabin	2,700	
G Min. ground clearance	3,010	
H Track gauge	2,390	
I Overall length	9,550	
J Overall height of boom	3,050	
K Track shoe width	800	600
L Overall width	3,190	2,990

WORKING RANGES

(mm)

Arm length (std.)		2400	2900	Boom length (std.)		5700
A	Maximum Digging Reach	9,525	9,945			
A'	Digging Reach on Ground	9,345	9,775			
B	Max Digging Depth	5,950	6,455			
B'	Max Digging Depth (8' level)	5,755	6,280			
C	Vertical Wall Digging Depth	5,410	5,925			
D	Maximum Digging Height	9,660	9,785			
E	Maximum Dumping Height	6,865	7,025			
F	Minimum Swing Radius	3,400	3,425			



Bucket Digging Force 15,204 kgf

Arm Crowd Force 10,901 kgf

LIFTING CAPACITIES

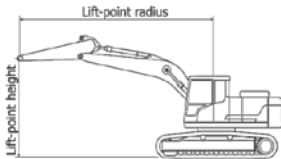
LIFTING CAPACITIES DX220LCA-2H

Rating over-front

Rating over-side

Boom: 5.7 m (18' 8") / Arm: 2.9 m (9' 6") / Shoe: 600 mm (24") triple grouser with 4,213 kg (9,288 lb) counterweight														
Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3 m (10.0 ft)		4.5 m (15 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														
7.5m	kg							*4,810	*4,810			*4,280	*4,280	6.25
24.6ft	lb							*10,600	*10,600			*9,440	*9,440	(20.5)
6.0m	kg							*4,740	*4,740			*3,980	3,660	7.36
19.7ft	lb							*10,450	*10,450			*8,770	8,070	(24.1)
4.5m	kg					*6,060	*6,060	*5,240	5,030	*4,860	3,500	*3,920	3,100	8.04
14.8ft	lb					*13,360	*13,360	*11,550	11,090	*10,710	7,720	*8,640	6,830	(26.4)
3.0m	kg					*7,780	7,320	*6,030	4,770	*5,200	3,390	*4,020	2,820	8.40
9.8ft	lb					*17,150	16,140	*13,290	10,520	*11,460	7,470	*8,860	6,220	(27.6)
1.5m	kg					*9,360	6,780	*6,830	4,510	5,130	3,260	4,270	2,710	8.47
4.9ft	lb					*20,640	14,950	*15,060	9,940	11,310	7,190	9,410	5,970	(27.8)
0.0m	kg			*4,980	*4,980	*10,170	6,490	7,010	4,330	5,030	3,170	4,370	2,760	8.28
0.0ft	lb			*10,980	*10,980	*22,420	14,310	15,450	9,550	11,090	6,990	9,630	6,080	(27.2)
-1.5m	kg	*5,690	*5,690	*9,480	*9,480	*10,190	6,420	6,920	4,260	5,000	3,150	4,760	3,000	7.78
-4.9ft	lb	*12,540	*12,540	*20,900	*20,900	*22,470	14,150	15,260	9,390	11,020	6,940	10,490	6,610	(25.5)
-3.0m	kg			*13,350	12,720	*9,440	6,500	6,970	4,300			5,670	3,560	6.93
-9.8ft	lb			*29,430	28,040	*20,810	14,330	15,370	9,480			12,500	7,850	(22.7)
-4.5m	kg			*10,430	*10,430	*7,510	6,730					*5,690	5,010	5.56
-14.8ft	lb			*22,990	*22,990	*16,560	14,840					*12,540	11,050	(18.2)

- 1. Lifting capacity are based on ISO 10567.
- 2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3. The Lift-point is a hook (standard equipment) located on the back of the bucket.
- 4. (*) indicates load limited by hydraulic capacity.



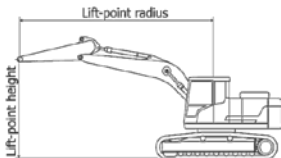
LIFTING CAPACITIES DX220A-2H

Rating over-front

Rating over-side

Boom: 5.7 m (18' 8") / Arm: 2.9 m (9' 6") / Shoe: 600 mm (24") triple grouser with 3,813 kg (8,406 lb) counterweight														
Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3 m (10.0 ft)		4.5 m (15 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m(ft)
7.5m	kg							*4,810	4,480			*4,280	4,160	6.25
24.6ft	lb							*10,600	9,880			*9,440	9,170	(20.5)
6.0m	kg							*4,740	4,470			*3,980	3,110	7.36
19.7ft	lb							*10,450	9,850			*8,770	6,860	(24.1)
4.5m	kg					*6,060	*6,060	*5,240	4,300	4,400	2,970	3,900	2,610	8.04
14.8ft	lb					*13,360	*13,360	*11,550	9,480	9,700	6,550	8,600	5,750	(26.4)
3.0m	kg					*7,780	6,190	*6,030	4,040	4,280	2,860	3,560	2,360	8.40
9.8ft	lb					*17,150	13,650	*13,290	8,910	9,440	6,310	7,850	5,200	(27.6)
1.5m	kg					9,000	5,670	5,790	3,790	4,150	2,740	3,440	2,260	8.47
4.9ft	lb					19,840	12,500	12,760	8,360	9,150	6,040	7,580	4,980	(27.8)
0.0m	kg			*4,980	*4,980	8,690	5,390	5,600	3,610	4,050	2,640	3,520	2,300	8.28
0.0ft	lb			*10,980	*10,980	19,160	11,880	12,350	7,960	8,930	5,820	7,760	5,070	(27.2)
-1.5m	kg	*5,690	*5,690	*9,480	*9,480	8,600	5,320	5,520	3,540	4,020	2,620	3,830	2,500	7.78
-4.9ft	lb	*12,540	*12,540	*20,900	*20,900	18,960	11,730	12,170	7,800	8,860	5,780	8,440	5,510	(25.5)
-3.0m	kg			*13,350	10,380	8,690	5,390	5,570	3,590			4,560	2,980	6.93
-9.8ft	lb			*29,430	22,880	19,160	11,880	12,280	7,910			10,050	6,570	(22.7)
-4.5m	kg			*10,430	*10,430	*7,510	5,630					*5,690	4,210	5.56
-14.8ft	lb			*22,990	*22,990	*16,560	12,410					*12,540	9,280	(18.2)

- 1. Lifting capacity are based on ISO 10567.
- 2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3. The Lift-point is a hook (standard equipment) located on the back of the bucket.
- 4. (*) indicates load limited by hydraulic capacity.



SPECIFICATIONS

Bucket Selection

All buckets are welded with high-strength steel.

Capacity m³ (yd³)				Width mm (in)				Weight kg (lb)		Tooth EA	Recommendation mm(ft-in)				
m³ (yd³)		CECE heaped		Without side cutters		With side cutters					5,700	5,700	5,700	5,700HD	8,500
											(18' 8") Boom	(18' 8") Boom	(18' 8") Boom	(19' 0") Boom	(27' 11") Boom
											2,000	2,400	2,900	2,900HD	6,200
											(6' 7") Arm	(7' 10") Arm	(9' 6") Arm	(9' 10") Arm	(20' 4") Arm
0.92	(1.20)	0.81	(1.06)	1,085	(42.7")	1,230	(48.4")	750	(1,650)	5	●	●	●	●	-
1.05	(1.37)	0.96	(1.26)	1,220	(48.0")	1,370	(53.9")	790	(1,740)	5	●	●	◐	◐	-
1.17	(1.53)	1.00	(1.31)	1,340	(52.8")	1,490	(58.7")	850	(1,870)	6	●	◐	■	■	-
0.92	(1.20)	0.83	(1.09)	1,050	(41.3")	1,095	(43.1")	865	(1,910)	5	●	●	●	◐	-
1.08	(1.41)	0.97	(1.27)	1,200	(47.2")	1,245	(49.0")	935	(2,060)	5	●	◐	◐	■	-
0.91	(1.19)	0.83	(1.09)	1,050	(41.3")	1,095	(43.1")	1,050	(2,310)	4	●	●	◐	◐	-
1.23	(1.61)	1.11	(1.45)	1,350	(53.1")	1,395	(54.9")	1,240	(2,730)	5	■	■	▲	▲	-
0.87	(1.14)	0.75	(0.98)	1,150	(45.3")	-	-	875	(1,930)	5	●	●	●	●	-
1.20	(1.57)	1.00	(1.31)	1,425	(56.1")	-	-	990	(2,180)	5	◐	■	■	■	-
0.51	(0.67)	0.45	(0.59)	865	(34.1")	995	(39.2")	395	(0,870)	5	-	-	-	-	■

- : Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less
- ⦿ : Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less
- : Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less
- ▲ : Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less
- x : Not Recommended

ATTACHMENT

Boom and arms are welded with a low-stress, full-box section design 5.7m (18' 8") mono boom and 2.4m (7' 10"), 2.9m (9' 6.2") arms available. Buckets are all-welded, high-strength steel equipments.

DIGGING FORCE

Arm	Length Weight	mm(ft.in)	*2,400 (7' 10")	2,900 (9' 6.2")
		kg(lb)	895 (1,973)	1,120 (2,469)
Bucket digging force	SAE	kN	130.5	
		kgf	13,307	
		lbf	29,337	
	ISO	kN	149.1	
		kgf	15,204	
		lbf	33,519	
Arm crowd force	SAE	kN	119.2	102.8
		kgf	12,154	10,483
		lbf	26,795	23,111
	ISO	kN	124.7	106.9
		kgf	12,716	10,901
		lbf	28,035	24,033

Note: Arm weight includes bucket cylinder and linkage *Standard arm

STANDARD & OPTION

Standard Equipment

Front
5.7m Heavy Duty Boom
2.9m Heavy Duty Arm
Hydraulic System
Boom holding system
Arm holding system
Automatic Swing Brake
Cabin & Interior
ISO standard cabin
All weather steel cab with all-around visibility
Sliding fold-in front window
Sliding side window
Accessory box
LCD display
Removable type floor mat
24V power socket
Mechanical Type suspension seat
Operator Seat Belt
Bluetooth FM Radio/USB
Cup Holder
Air Conditioner
Safety
Working Front Light
Beacon Lamp
1ea Boom Lamp
Travel Alarm
Electric Horn
One Outside Rearview Mirror
Undercarriage
Long & fixed track
600mm triple grouser shoe
Track Guard
Others
Water Separator
Fuel Filter
3.8ton Counterweight
Dry Type Pre Air Cleaner
Removable Reservoir Tank
Removable Clean Out Screen For Oil Cooler
Battery (2 x 12V x 100AH)
Battery Master Switch
Hydraulic Track Adjuster
MY DEVELON
Tool Kit

Optional Equipment

Front
5.7m General Duty Boom
2.0m General Duty Arm
2.4m General Duty Arm
2.9m General Duty Arm
Bucket
0.92 m³ General Duty Bucket
1.05 m³ General Duty Bucket
1.17 m³ General Duty Bucket
0.92 m³ Heavy Duty Bucket
1.08 m³ Heavy Duty Bucket
0.91 m³ Severe Duty Bucket
1.23 m³ Severe Duty Bucket
0.87 m³ Rock Bucket
1.20 m³ Rock Bucket
Auxiliary Hydraulic
One-way for Breaker
Hydraulic filter for One-way return line
Undercarriage
Short & fixed track
Undercover for track frame
700/800mm triple grouser shoe
Others
4.2ton Counterweight
Rain Cap
Engine Air Heater
Air Compressor
Additional Boom Lamp
Rear Sun Visor
Cabin Front Guard
2 Additional Working Lamp on Cabin
Emergency Shutdown Switch
Air Conditioner & Heater
Additional fuel pre filter
Fuel Filler Pump

*Some of optional equipments may be standard in some markets. You must check with the local DEVELON dealer to know about the availability or to release the adaptation following the needs of the applications.