

## Doosan

## DX210WE-5

Engine	Doosan DL06 Tier 4; Turbo Charged Air to Air Intercooler
	Electronically Controlled Common Rail Direct Injected
	Exhaust Gas Recirculation, SCR
	Displacement 359 cu.in.
	6 Cylinder Bore 100mm Diameter x 125mm Stroke
	Torque, 593 ft. lbs @ 1,400 rpm
	189 HP(SAE J1349) Net Flywheel Horsepower @ 2000 rpm
	Auto Idle System
	Equipped with the Fuel Pre-filter with Water Separator
	Radiator Reserve Tank
	Large Capacity Double Element Air Cleaner with Evacuate
	Electronic Engine Speed Control
	Engine Overheat and Low Oil Pressure Prevention System
	High Idle 2000 ±50 rpm, Low Idle 800 ± 20 rpm
	24 V, 80 amp Alternator
	24 V x 6.0 kW Starter
Hydraulic	24V system, 2 x 12V batteries with 100AH Capacity
	Pilot Operated Control Valves, (9) Spools(Mono Boom), (10) Spools(Two Piece Boom)
	Main Pumps: Parallel, Bent-Axis, Axial Piston Type, Max. Flow Rate 2 X 62.3 Gal./min.
	Auxiliary Spool with Two Pump Flow
	Pilot Circuit, Gear Type Pump
	Swing Motor, Axial Piston Type
	Swing Speed Control up to 10.9 RPM
	Maximum Swing Torque 46,638 ft.-lbs.
	Four Operating Modes (Digging, Lifting, Breaker, Shear) with SPC
	Button Control of Flow in Auxiliary Equipment Circuits
	Button Control to Preset Attachment Flow and Pressure
	Computer-aided Pump Power Control
	e-EPOS (Electronic Power Optimizing System) Controller
	Steel, All Weather Sound Suppressed ROPS Type
	Fully Automatic Controlled Air Conditioner with Heat

Cab

7" Multi-function Color LCD Monitor Panel

Cigarette Lighter

Door Locks

Front Windshield Wiper with Washer

Radio: MP3 Stereo with CD Player

Audio Control Panel On/Off Switch, Control Volume, Channel Select

Auxiliary Mode Switch

Engine Emergency Stop Switch

Work Light Switch

Travel Speed Selector Switch

Breaker, Power-up. Shear Switch

Safety Glass. Tinted

Safety Lock Lever

Seat:

Heated Air Suspension with Seat Belt (2" Wide)

Reclining, Height Adjustable

Adjustable Arm Rests

Sliding Control Console

Skylight

Pull Up Type Front Window

Removable Lower Front Window with Storage Behind Seat

Sliding Side Windows

Front Window Air Defroster

Travel Pedals with Hand Levers

Floor Pedal for Control of Two Way Hydraulic Flow

Emergency Breakout Tool

Lunch Box with Hot & Cool Air

12V Power Socket

Height Adjustable Control Stands

Joystick Lever with 3 Switches, Two Button and One Rotate

Cup Holder

	Room Light
	Serial Communication Port for Laptop PC Interface (DMS)
Electrical	Viscous Cab Mounts
	Lights: Hologen Working Light (2) Machine, (2) Boom
	Electric Horn
	Hour Meter
	Alarm Buzzer for:
	Engine Oil Pressure
	Coolant Temperature
	Electronic Monitor for:
	Engine Coolant Temperature Gauge
	Fuel Gauge
	Hydraulic Oil Temperature Gauge
	Multi-function Display for:
	Engine RPM
	Battery Voltage Warning Symbol
	Front and Rear Hydraulic Pump Pressure
	ECO Gauge
	Hydraulic Oil Overheating Warning
	Fuel Shortage Warning
	Air Cleaner Clogging Warning
	Pilot Filter Clogging Warning
	Return Filter Clogging Warning
	Digital Clock
	Engine Check Warning Light
	Engine Oil Pressure Warning Light
	Charge Warning Light
	Preheat Indicator Light
	Coolant Temperature Warning Light
	Work Light Indicator Light
	Water in the Fuel Warning Light
	Operation Modes for:

	<p>Power Mode Select Button (P+,P,S,E) with SPC</p> <p>Work Mode (DIGGING, LIFTING, BREAKER, SHEAR)</p> <p>Flow Rate Control</p> <p>Auto Idle Select Button</p> <p>Rear View Camera Button</p> <p>Jog Switch to Control Monitor</p>
Operation Modes	<p>Power Mode Select Button (P+,P,S,E) with SPC</p> <p>Work Mode (DIGGING, LIFTING, BREAKER, SHEAR)</p> <p>Flow Rate Control</p> <p>Auto Idle Select Button</p> <p>Rear View Camera Button</p> <p>Jog Switch to Control Monitor</p>
Undercarriage	<p>Fully Floating Planetary Drive (Front and Rear Axle)</p> <p>Bent Axis Piston Travel Motors</p> <p>2 Speed , Power -Shift Transmission</p> <p>Lockable Front Axle with 7.94° Oscillation</p>
Other	<p>Large Handrail</p> <p>Punched Metal Anti-slip Plates</p> <p>Engine Restart Prevention System</p> <p>Rear View Camera</p>

Specifications				
	DX210W-5			
Configuration	US20	US30	US40	US50
Engine				
Model	DOOSAN DL06			
Rated Flywheel Power (Gross)	189.1 hp @ 1,900 rpm (SAE-J1995)			
Rated Horse Power (Net)	186.4 hp @ 1,900 rpm			
Max. Torque (Net)	593 lbf-ft @ 1,400 rpm			
Engine Emissions Tier (EPA)	T4			
Engine Make	Doosan			
Engine Name	Doosan DL06			
Engine Number of Cylinders				
Engine Displacement	359 in³			
Hydraulic System				
Control Valve: Relief Valve Pressure (Normal)	5,076 psi			
Control Valve: Relief Valve Pressure (Boost)	5,076 psi			
Main Pump: Max. Flow Rate (each)	62.34 gal/min			
Main Pump: Quantity				
Main Pump: Main Relief Pressure	5076 psi			
Undercarriage				
Ground Clearance	1' 1"			
Tire Size	10.00-20-16 PR			
Tread Width	6' 3"			

Swing Mechanism				
Swing Performance: Max Swing Torque	59224 lbf-ft			
Swing Performance: Max Swing Speed (At Efficiency)	9.8 rpm			
Travel System/Drive Mechanism				
Travel performance: Traction Force (Highest Value)	27172 lbf-ft			
Travel performance: Traveling Speed - Low (XXX/)	5.59 mph			
Travel performance: Traveling Speed - High (/XXX)	21.75 mph			
Travel performance: Gradeability				
Traveling performance: Max. Tractive Effort	26,460 lb			
Weights				
Operating Weight	47,179 lb	47,730 lb	49,163 lb	49,714 lb
Standard Boom Length	18.37 ft	18.37 ft	17.72 ft	17.72 ft
Standard Arm Length	9.02 ft	9.02 ft	7.87 ft	7.87 ft
Standard Bucket Size	1.12 yd <sup>3</sup>			
Dimensions				
Wheel Base	9' 4"	9' 4"	9' 4"	9' 4"
Shipping Height - Hose (With Attachment)	10' 1"	10' 1"	10' 3"	10' 3"
Shipping Length (Without Attachment)	30' 10"	30' 10"	30' 3"	30' 3"
Shipping Width (Standard)	8' 3"	8' 3"	8' 3"	8' 3"
Overall Height Over Cab	10' 3"	10' 3"	10' 3"	10' 3"
Working Range				
Max Digging Reach (Ground)	31' 10"	31' 10"	30' 9"	30' 9"
Max Digging Height	32' 4"	32' 4"	34' 2"	34' 2"
Max Digging Depth	19' 4"	19' 4"	18' 4"	18' 4"
Max Loading Height	23' 4"	23' 4"	24' 8"	24' 8"
Digging Force (ISO)				
Arm Digging Force - Pressure up	24,030 lb	24,030 lb	26,896 lb	26,896 lb
Bucket Digging Force - Pressure up	31,306 lb	31,306 lb	31,306 lb	31,306 lb
Refill Capacities				
Fuel Tank	79.25 gal			
Transmission	0.66 gal			
Hydraulic System	54.16 gal			
Engine Coolant	6.34 gal			
Engine Oil	6.6 gal			
Hydraulic Tank	54.16 gal			
Environment				
Noise Level: Guaranteed Sound Power Level	101 dBA			
Noise Level: Operator	70 dBA			
Lift Capacity				
Lifting Capacity over front @ Horizontal Distance - 10 ft Above Ground	19,952 lb @ 14.76 ft	19,952 lb @ 14.76 ft	18,673 lb @ 14.76 ft	18,673 lb @ 14.76 ft
Lifting Capacity over front @ Horizontal Distance - Ground Level	24,052 lb @ 14.76 ft	24,052 lb @ 14.76 ft	24,934 lb @ 14.76 ft	24,934 lb @ 14.76 ft
Lifting Capacity over front @ Horizontal Distance - 10 ft Below Ground	27,359 lb @ 9.84 ft	27,359 lb @ 9.84 ft	27,558 lb @ 9.84 ft	27,558 lb @ 9.84 ft
Lifting Capacity over front @ Horizontal Distance - 3m Above Ground	19,952 lb @ 14.76 ft	19,952 lb @ 14.76 ft	18,673 lb @ 14.76 ft	18,673 lb @ 14.76 ft
Lifting Capacity over front @ Horizontal Distance - 3m Below Ground	27,359 lb @ 9.84 ft	27,359 lb @ 9.84 ft	27,558 lb @ 9.84 ft	27,558 lb @ 9.84 ft