

Doosan

DX350LC-5K

Engine

Doosan DL08P: 4-Cyclewater-Cooled Turbo Charged

Electronically Controlled Common Rail Direct Injected

T4: Cooled Exhaust Gas Recirculation + Diesel Oxidation Catalyst + Selective Catalytic Reduction with Diesel Exhaust Fluid
286HP(SAE J1995) Gross Flywheel Horsepower @ 1800 rpm

Displacement: 466cu.in., 6 Cylinder

Bore 108mm Diameter x 139mm Stroke

Torque: 940ft. lbs @ 1,300 rpm

High Idle 1850 ± 25rpm, Low Idle 800 ± 20 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

Pilot Operated Control Valves, (9) Spools

Main Pump: Bent Axis Type, Pressure Setting 5512psi

2 X 92 gpm

Pilot Circuit, Gear Type Pump

Swing Motor, Axial Piston Type

Swing Speed Control up to 9 RPM

Maximum Swing Torque 109,168 ft.lbs.

Spring Set, Hydraulic-released Brakes

Travel Motor: Axial Piston Type (High, Low, Auto)

Hydraulic

Travel Speed (High/Low): 3.9 mph / 2.4 mph

Maximum Tractive Force 83555 ft.lbs. in low speed

In-Shoe Design, Oil Disc Parking Brake

Cross Sensing Pump Control for Fuel Saving

Four Operating Modes, Four Power Modes

One-way Auxiliary Hydraulics

Adjustable Auxiliary Flow and Pressure up to 10 presets

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

7" Multi-function Color LCD Monitor Panel

Rear View Camera

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

Switches:

Auxiliary Mode Switch

Engine Emergency Stop Switch

Work Light Switch

Travel Speed Selector Switch

Breaker, Power-up, Shear Switch

Glass Antenna

Safety Lock Lever

Cab

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

Emergency Breakout Tool

Lunch Box with insulation

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)

Viscous Cab Mounts

Operation Modes:

Power Mode Select Button (P+,P,S,E)

Work Mode Selector Button (Excavation, Lifting, Breaker and Shear)

Flow Rate Control

Auto Idle Select Button

	<p>4 Display Selection Buttons</p> <p>Rear View Camera Button</p> <p>Jog Switch to Control Monitor</p>
Electrical	<p>Alternator: 24 V, 100 amp</p> <p>Batteries: (2) 12 V, 200 amp, 1300 CCA</p> <p>Starter: 24 V x 6 KW</p> <p>Lights: Halogen Working Light (2) Machine, (2) Boom</p> <p>Electric Horn</p> <p>Hour Meter</p>
Undercarriage	<p>Track Guards and Chains with Adjusters</p> <p>Track Rollers: (2) Upper, (9) Lower Each Side</p> <p>Triple Grouser Shoes, 48 Each Side</p>
Other	<p>Joystick Pattern Change Valve</p> <p>Centralized Lube Points</p> <p>Large Handrail</p> <p>Punched Metal Anti-slip Plates</p> <p>Engine Restart Prevention System</p> <p>Self-Diagnostic System</p> <p>Manuals, Parts and Operator's</p> <p>Ultra-hard Wear-resistant Disc at the Bucket Pivot</p> <p>Vandalism Protection (All panels and fill points lockable)</p> <p>GPS 3 Year Subscription</p>

PACKAGE ARRANGEMENT

CODE	DESCRIPTION
	<p>DX350LC-5 BASE MACHINE W/O BUCKET</p> <p>21' 4" (6.5 M) BOOM</p> <p>10' 6" (3.2 M) ARM</p>

DX350LC-5K-US20

31.5" (800 mm) TRIPLE GROUSER SHOES

15,653 LBS (7.1 METRIC TON) COUNTERWEIGHT

ONE AND TWO WAY AUXILIARY PIPING TO END OF THE ARM WITH ONE WAY FLOW

Specifications	
	DX350LC-5K
Configuration	US20
Engine	
Model	DX350LC-5
Rated Flywheel Power (Gross)	285.6 hp @ 1,800 rpm
Rated Horse Power (Net)	280.4 hp @ 1,800 rpm
Max. Torque (Gross)	977 SAE
Engine Emissions Tier (EPA)	T4
Engine After Treatment	CEGR+DOC+SCR with DEF
Engine Make	Doosan
Engine Name	
Engine Number of Cylinders	6
Engine Displacement	466 in ³
Hydraulic System	
Main Pump: Displacement	
Control Valve: Relief Valve Pressure (Normal)	5,512 psi
Control Valve: Relief Valve Pressure (Boost)	
Main Pump: Max. Flow Rate (each)	92.46 gal/min
Main Pump: Quantity	2
Main Pump: Main Relief Pressure	5511 psi
Undercarriage	
Upper Rollers: Quantity Per Side	2
Lower Rollers: Quantity Per Side	9
Track Length	16' 2"
Track Link: Track Gauge	8' 9"
Ground Clearance	20.1"
Ground Pressure	7.5 psi
Swing Mechanism	
Swing Performance: Max Swing Torque	109168 lbf·ft
Swing Performance: Max Swing Speed (At Efficiency)	9.1 rpm
Travel System/Drive Mechanism	
Travel performance: Traction Force (Highest Value)	83,335 lbf
Travel performance: Traveling Speed - Low (XXX/)	2.42 mph
Travel performance: Traveling Speed - High (/XXX)	3.91 mph
Travel performance: Gradeability	70°
Weights	
Operating Weight	80,689 lb

Standard Boom Length	21.33 ft
Standard Arm Length	10.5 ft
Standard Bucket Size	1.95 yd ³
Shoe Width	2' 7"
Dimensions	
Shipping Height - Hose (With Attachment)	11' 1"
Shipping Length (Without Attachment)	37' 1"
Shipping Width (Standard)	11' 5"
Overall Height Over Cab	10' 1"
Working Range	
Max Digging Reach (Ground)	35' 11"
Max Digging Height	33' 10"
Max Digging Depth	24' 8"
Max Loading Height	23' 6"
Digging Force (ISO)	
Arm Digging Force - Pressure up	41,667 lb
Bucket Digging Force - Pressure up	57,100 lb
Arm Digging Force - Normal	39,463 lb
Refill Capacities	
Fuel Tank	158.5 gal
Hydraulic System	118.88 gal
Engine Coolant	13.74 gal
Engine Oil	9.51 gal
Hydraulic Tank	100.39 gal
Environment	
Noise Level: Guaranteed Sound Power Level	103
Noise Level: Operator	71
Lift Capacity	
Lifting Capacity over front @ Horizontal Distance - 10 ft Above Ground	25,320 lb @ 20.01 ft
Lifting Capacity over front @ Horizontal Distance - Ground Level	30,199 lb @ 20.01 ft
Lifting Capacity over front @ Horizontal Distance - 10 ft Below Ground	28,618 lb @ 20.01 ft