

## Doosan

## DX35-5

Engine	<p>D18 Turbo</p> <p>Tier 4 Compliance without aid of DPF</p> <p>33.5 HP Gross @ 2,400 rpm</p> <p>31.2 HP Net @ 2,400 rpm</p> <p>Max. Torque 82.2 ft. lbs @ 1,600 rpm</p> <p>Displacement 109.5 cu.in., 3 Cylinder</p> <p>Auto Idle</p> <p>Auto preheat cold start assist</p> <p>High Idle 2400 rpm MAX, Low Idle 1220 ± 25 rpm</p> <p>Alternator: 12 V, 90 Amp.</p> <p>Battery: 12V Battery, 540 CCA @ 0° F (-18° C)</p> <p>Starter: 12 Volt, 2.0 Kw</p>
Hydraulic	<p>Control Valve: (9) Spools, closed center, individually compensated</p> <p>Main Pump: Load Sensing, torque limiting, variable displacement piston pump with gear pump (29.1 US gpm)</p> <p>Pressure Setting (3,553 PSI)</p> <p>Auxiliary Hydraulics Flow (16.9 gpm)</p> <p>Swing Motor: Axial Piston Type, with planetary reduction</p> <p>Swing Speed Control up to 8.6 RPM</p> <p>Swing Brake</p> <p>Travel Motors: Axial Piston, 2-Speed</p> <p>Travel Speed (High/Low), 2.9 mph / 1.6 mph</p> <p>Load Sensing System</p> <p>Travel Brake</p> <p>2-Way Auxiliary Flow</p>
	<p>ROPS / TOPS Certified</p> <p>Air Conditioner (Enclosed Cab ONLY)</p> <p>AM/FM Stereo (Enclosed Cab ONLY)</p> <p>Power Socket, 12V</p> <p>Cab Door Lock (Enclosed Cab ONLY)</p> <p>Front Windshield Wiper with Washer (Enclosed Cab ONLY)</p> <p>Safety Glass, Tinted (Enclosed Cab ONLY)</p> <p>Controls - Safety Lock Lever</p>

Cab	<p>Seat:</p> <ul style="list-style-type: none"> <li>Deluxe Cloth Seat with Seat Belt (Enclosed Cab ONLY)</li> <li>Deluxe Vinyl Seat with Seat Belt (Canopy ONLY)</li> <li>Fully Adjustable Arm Rests</li> <li>Suspension</li> <li>Skylight (Enclosed Cab ONLY)</li> <li>Slide-up Front Window (Enclosed Cab ONLY)</li> <li>Sliding Side Windows (Enclosed Cab ONLY)</li> <li>Travel Control: Hand Levers/Foot pedals</li> <li>Emergency Breakout Tool (Enclosed Cab ONLY)</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>Horn</li> <li>Lights: (1) Cabin, (1) Boom</li> <li>Alarm Buzzer for: <ul style="list-style-type: none"> <li>Engine Overheat</li> <li>Engine Oil Pressure</li> </ul> </li> <li>Electronic Monitor for: <ul style="list-style-type: none"> <li>Air Filter Restriction Indicator</li> <li>Auto-Idle Indicator</li> <li>Auxiliary Flow Mode Indicator</li> <li>Clock - Day &amp; Time</li> <li>Engine Check Warning Light</li> <li>Engine Oil Pressure Light w/ Audible Alarm</li> <li>Engine Temperature Gauge w/ Audible Alarm</li> <li>Fuel Gauge with low fuel indicator</li> <li>Hour Meter</li> <li>Pre-Heat (cold start assist) Indicator</li> <li>Two Speed Travel Indicator Light</li> </ul> </li> </ul>
Undercarriage	<ul style="list-style-type: none"> <li>Track Adjusters</li> <li>Track Rollers: (1) Upper, (4) Lower each side</li> <li>11.8 inch (300 mm) Rubber Tracks</li> </ul>
	<ul style="list-style-type: none"> <li>Dozer Blade, Front w/Float</li> <li>Pattern Selector Valve</li> <li>Air Cleaner (Dual Filter)</li> <li>Joystick Lever, Dozer (High/Low Travel Speed Switch)</li> </ul>

Other	Swing Boom (Left: 75 Degrees, Right: 55 Degrees)
	Auto-Shift, Two Speed Travel
	Fingertip Auxiliary Hydraulics & Boom Swing
	Password Protection System
	Rubber Tracks

#### PACKAGE ARRANGEMENT

CODE	DESCRIP TION	APPROX WEIGHT	LIST PRICE
DX35-5-US30	DX35-5 BASE MACHINE W/O BUCKET		
	OPEN CANOPY		
	4' 4" (1.33 M) ARM		
	11.8" (300 mm) RUBBER TRACKS		
	2-WAY AUXILIARY HYDRAULIC FLOW		

Specifications					
DX35-5					
Configuration		DX35-5-US20	DX35-5-US21	DX35-5-US30	DX35-5-US31
Engine					
Model	DX35-5				
Rated Flywheel Power (Gross)	33.5 hp @ 2,400 rpm (SAE-J1995)				
Rated Horse Power (Net)	31.2 hp @ 2,400 rpm				
Max. Torque (Net)	81 lbf-ft @ 1,600 rpm				
Engine Emissions Tier (EPA)	Tier 4				
Engine After Treatment					
Engine Make	D18 Turbo				
Engine Name	Doosan D18				
Engine Number of Cylinders	3				
Engine Displacement	110 in³				
Hydraulic System					
Main Pump: Displacement					
Control Valve: Relief Valve Pressure (Normal)	3553 psi				
Control Valve: Relief Valve Pressure (Boost)					
Main Pump: Max. Flow Rate (each)	26.6 gal/min				
Main Pump: Quantity	1				
Main Pump: Main Relief Pressure	3,553 psi				
Undercarriage					
Upper Rollers: Quantity Per Side	1				
Lower Rollers: Quantity Per Side	4				
Track Length	6' 9"				
Track Link: Track Gauge					
Ground Clearance	7"				
Ground Pressure		4.74 psi	5.15 psi	4.74 psi	5.15 psi
Swing Mechanism					

Swing Performance: Max Swing Torque				
Swing Performance: Max Swing Speed (At Efficiency)	8.6 rpm			
Travel System/Drive Mechanism				
Travel performance: Traction Force (Highest Value)	7658 lbf-ft			
Travel performance: Traveling Speed - Low (XXX/)	1.6 mph			
Travel performance: Traveling Speed - High (/XXX)	2.9 mph			
Travel performance: Gradeability	30°			
Weights				
Operating Weight	8,193 lb	8,871 lb	7,909 lb	8,587 lb
Standard Boom Length	8.04 ft			
Standard Arm Length	4.36 ft	5.35 ft	4.36 ft	5.35 ft
Standard Bucket Size	0.13 yd³			
Shoe Width	11"			
Dimensions				
Shipping Height - Hose (With Attachment)	8' 0"			
Shipping Length (Without Attachment)	15' 9"	15' 10"	15' 9"	15' 10"
Shipping Width (Standard)	5' 9"			
Overall Height Over Cab	8' 0"			
Working Range				
Max Digging Reach (Ground)	17' 1"	18' 1"	17' 1"	18' 1"
Max Digging Height				
Max Digging Depth	10' 2"	11' 2"	10' 2"	11' 2"
Max Loading Height	11' 3"	11' 10"	11' 3"	11' 10"
Digging Force (ISO)				
Arm Digging Force - Pressure up	4,859 lb	3,986 lb	4,859 lb	3,986 lb
Bucket Digging Force - Pressure up	6,968 lb			
Arm Digging Force - Normal				
Refill Capacities				
Fuel Tank	13.7 gal.			
Hydraulic System	10.5 gal.			
Engine Coolant	1.8 gal.			
Engine Oil	1.68 gal.			
Hydraulic Tank	2.2 gal.			