

**PACKAGE ARRANGEMENT (1)**

Product	Approx. Weight	List Price
DX235LCR-7-US20	24,200.00 KG	219,129.97 USD

DX235LCR-7 BASE MACHINE W/O BUCKET  
 18' 8" (5.7 M) MONO BOOM  
 9' 6" (2.9 M) ARM  
 31.5" (800 mm) TRIPLE GROUSER SHOE  
 16,280 LBS (7.4 METRIC TON) COUNTERWEIGHT  
 ONE/TWO WAY AUX. PIPING TO END OF ARM

**OPTIONAL EQUIPMENT - Factory Installed (24)**

Option	CODE	Description	List Price
ARM	024	2.4m Arm	-850.00 USD
TRACK SHOE	600	600mm Shoe	14,375.00 USD
TRACK SHOE	700	700mm Shoe	-375.00 USD
TRACK SHOE	900	900mm Shoe	1,650.00 USD
BREAKER FILTER	BRF	Breaker Filter	425.00 USD
CLAMSHELL PIPING	CLA	Clamshell	300.00 USD
LOCK VALVE	LBA	Boom & Arm Lock Valve	1,700.00 USD
LOCK VALVE	LOB	Boom Lock Valve	1,150.00 USD
ROTATING PIPING(PERO)	PER	Rotating Piping (PERO)	3,180.50 USD
ONE & TWO WAY PIPING	OEP	One Way with Electric Pedal	5,210.88 USD
ONE & TWO WAY PIPING	PE3	Two Way with Pedal	6,360.88 USD
STRAIGHT TRAVEL	STT	Straight Travel	300.00 USD
HEATING & COOLING SEAT	HCS	Heating & Cooling Seat	725.00 USD
MICROPHONE	MIC	Microphone	600.00 USD
RAIN SHIELD	RAI	Rain Shield	175.00 USD
CAMERA	AVC	Around View Camera	3,450.00 USD
CABIN FRONT GUARD	FUL	Upper and Lower Guard	475.00 USD
CABIN FRONT GUARD	LOW	Lower Guard Only	275.00 USD

FOGS GUARD	FOG	FOGS	2,600.00 USD
ADDITIONAL WORK LAMP	6LE	6 ADDITIONAL WORKING LAMP(LED)	862.50 USD
ADDITIONAL WORK LAMP	4LE	4 ADDITIONAL WORKING LAMP(LED)	575.00 USD
ROTATING BEACON	ROB	Rotating Beacon	200.00 USD
Water Separator	WIH	Water Separator with Heater	300.00 USD
FUEL FILLER PUMP	FIL	Fuel Filler Pump	375.00 USD

**Attachments - Dealer Installed (29)**

Attachment	Description	Approx. Weight	List Price
230104-03482	1.41 CU. YD. 48" HEAVY DUTY BUCKET (FACTORY BUCKET)	2,205.00	5,772.80 USD
230104-03516	1.20 CU. YD. 42" HEAVY DUTY BUCKET (FACTORY BUCKET)	1,962.00	5,530.31 USD
230104-03517	0.99 CU. YD. 36" HEAVY DUTY BUCKET (FACTORY BUCKET)	1,665.00	5,010.76 USD
5000033	TRIMBLE EARTHWORKS 2D MACHINE GUIDANCE; INDICATE KIT; w/ INSTALL, CALIBRATION	50.00	24,000.00 USD
AT200-060	0.75 CU. YD. 60" ANGLE TILT DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,750.00	12,330.82 USD
DC200-048	0.97 CU. YD. 48" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,195.00	4,868.15 USD
DC200-060	1.22 CU. YD. 60" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,395.00	5,295.95 USD
DC200-072	1.34 CU. YD. 72" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,395.00	5,634.30 USD
HD22-024	0.55 CU. YD. 24" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,394.00	7,669.54 USD
HD22-030	0.74 CU. YD. 30" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,566.00	9,070.11 USD
HD22-036	0.94 CU. YD. 36" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,747.00	7,265.88 USD
HD22-042	1.14 CU. YD. 42" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,893.00	7,785.97 USD
HD22-048	1.34 CU. YD. 48" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	2,074.00	8,375.96 USD
HDC200-060	1.95 CU. YD. 60" HD DITCH CLEAN UP BUCKET (WITH BOLT-ON EDGE)	2,370.00	10,050.13 USD
HDC200-066	2.16 CU. YD. 66" HD DITCH CLEAN UP BUCKET (WITH BOLT-ON EDGE)	2,554.00	10,568.11 USD
HT-22DM3T-A	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH BUCKET	1,100.00	8,691.74 USD
HT-22DM4T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH BUCKET	1,127.00	8,691.74 USD

HT-22QC3T-A	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH COUPLER	1,186.00	8,691.74 USD
HT-22QC4T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH COUPLER	1,216.00	8,691.74 USD
PL-22DM3T	PRO LINK THUMB; HYDRAULIC; 3 TINE; FOR 30"; 48" BUCKET; USED WITH BUCKET	1,307.00	12,387.71 USD
PL-22DM4T	PRO LINK THUMB; HYDRAULIC; 4 TINE; FOR 36"; 42" BUCKET; USED WITH BUCKET	1,307.00	12,387.71 USD
PL-22QC3T	PRO LINK THUMB; HYDRAULIC; 3 TINE; FOR 30"; 48" BUCKET; USED WITH COUPLER	1,415.00	12,760.54 USD
PL-22QC4T	PRO LINK THUMB; HYDRAULIC; 4 TINE; FOR 36"; 42" BUCKET; USED WITH COUPLER	1,415.00	12,760.54 USD
QC-80H1G3-319	HYD. QUICK COUPLER (INCLUDES SOFT PINS, JUMPER HOSE ONLY) FOR DX210/DX225/DX235	721.00	9,600.33 USD
SD22-024	0.55 CU. YD. 24" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,424.00	8,344.24 USD
SD22-030	0.74 CU. YD. 30" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,586.00	8,360.58 USD
SD22-036	0.94 CU. YD. 36" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,774.00	10,507.70 USD
SD22-042	1.14 CU. YD. 42" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,919.00	10,562.21 USD
SD22-048	1.34 CU. YD. 48" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	2,097.00	11,776.08 USD

## STANDARD EQUIPMENT FOR BASE MACHINE (7)

Item	Description
Engine	<p>Doosan DL06V; 5.9L 4-Cycle Water Cooled, Turbocharged and Intercooled T4f Emission Compliant with EGR</p> <p>Electronically Controlled Common Rail Direct Injected</p> <p>T4f Emissions: Diesel Oxidation Catalyst + DPF + Selective Catalytic Reduction with Ammonia Oxidation Catalytic</p> <p>189 hp (141 kW) @ 1900 rpm (SAE J1995) Gross Flywheel Horsepower</p> <p>170 HP (SAE J1349) Net @ 1900 rpm</p> <p>Displacement: 359 in<sup>3</sup> (5890cc), 4 Cylinder</p> <p>Bore 3.94 in (100mm) Diameter x 4.92 in (125mm) Stroke</p> <p>Torque: 593 ft. lbs (82 kgf-m) @ 1,400 rpm</p> <p>High Idle 2000 ± 25 rpm, Low Idle 800 ± 10 rpm</p> <p>Auto Idle System</p> <p>Auto Shut Down</p> <p>Equipped with the Fuel Pre-filter with Water Separator</p> <p>Radiator Reserve Tank</p> <p>Large Capacity Double Element Air Cleaner with Evacuate</p> <p>Electronic Engine Speed Control</p> <p>Engine Derate and Shutdown if failure in Emission Control System</p> <p>Engine Overheat and Low Oil Pressure Prevention System</p>
	<p>Pilot Operated Control Valves, (9) Spools</p> <p>Main Pump: Tandem Variable Axial Piston Type, Flow: 2 x [59 gpm (222 Lpm)]; Pressure Setting 4978 psi normal / 5263 psi boost</p> <p>Pilot Circuit, Gear Type Pump; Flow: 7 gpm (26 Lpm)</p> <p>Swing Motor, Axial Piston Type driving a 2-stage planetary gearbox to maximize torque</p> <p>Swing Maximum Speed: 11.5 RPM</p> <p>Fine Swing Control</p>

Hydraulic	<p>Maximum Swing Torque 69,625 lbf-ft. (9,626 kgf-m)  Spring Set, Hydraulic-released Brakes  Travel Motors: 2 x Axial Piston Type (High, Low, Auto)  Travel Speed (High/Low): 3.6 mph/2.0 mph  Maximum Tractive Force 64,375 lbf. (29,200 kgf) in low speed  In-Shoe Design, Oil Disc Parking Brake  One way/two way Auxiliary Hydraulics with 2-pump flow  Smart Hydraulic Logic to prioritize flow to hydraulic attachments like a molcher or a grinder  Working Mode for Tilt-Rotator</p>
Cab	<p>Steel, All Weather Sound Suppressed ROPS Type  Fully Automatic Heater and Air Conditioner with Radian Energy Photo Sensor  12V and 24V Power Sockets  Door Locks  Front Windshield Panto Wiper with Washer  8" Multi-function Color LCD Touch Screen Monitor  Aerial, Side &amp; Rear View Camera with dedicated LCD display  Digital Bluetooth Audio Broadcasting MP3 Radio with Cell Phone integration  Audio Control Panel On/Off Switch, Control Volume, Channel Select  Switches:  Engine Speed Control Dial  Jog Switch for monitor display control  Auxiliary Mode Switch  Engine Emergency Stop Switch  Work Light Switch  Travel Speed Selector Switch  Breaker, Power-up, Shear Switch  Intelligent Floating Boom (optional)  Engine After Treatment System Switch  Wiper Control Panel  Safety Lock Lever  Ergonomic Leatherlike Operator Seat:  3-Stage Climate Controlled seat (optional)  2-Stage Heated Seat (standard)  Air Suspension with Seat Belt (2" Wide)  Adjustable bottom cushion  Lumbar Support Adjustment  Adjustable Headrest  Reclining, Height Adjustable  Adjustable Arm Rests  Sliding Control Console  Height Adjustable Panels  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 Exit Glass Breaking Tool  Quick Coupler Switch  Joystick Lever with 3 Switches, Two Button and One Rotate  Front and Rear Cup Holders  Room Light  Serial Communication Port for Laptop PC Interface (DMS)  Viscous Cab Mounts  Sun Screens for Top Hatch, Front Windshield and Rear Window</p>
	<p>Advanced Mechatronics with Power Mode Control System to maximize machine efficiency and productivity  Power Mode Select Button (P+,P,S,E)  Work Mode Selector Button (Excavation, Lifting, Breaker and Shear)  Electronic Power Optimizing System  Cross Sensing Pump Control  Machine Status Display with Integrated Self Diagnostics System  Adjustable LCD Color Display  Auto Idle Control System plus One Touch Deceleration Button on Joystick  Engine Speed Control Dial  Power Boost Control Button on Joystick</p>

Electrical/Electronic Control	<p>Limp Home Mode Control Switch  Proximity Alarm Warning System  Proportional control for auxiliary hydraulics via roll switch on both joysticks  Adjustable Auxiliary Flow and Pressure up to 10 presets  Alternator: 24 V, 100 amp  Batteries: (2) 12 V, 100AmpH, 900CCA  Starter: 24 V x 6 KW  Engine Emergency Stop Switch accessible from ground level  Panto Wiper to cover the entire front windshield window  LED Lights: Working Light (2) Machine, (2) Boom  Smart Ignition Switch Key for remote control of engine start/stop and door lock/unlock  Electric Horn  Hour Meter</p>
Display Monitor and Warnings	<p>Main Warning Lamp  Warning Symbol Indicator for:  Battery, Engine oil pressure, Coolant overheated, Engine, Stop engine, Low fuel level, Hydraulic oil temp, Fuel System, Air cleaner clogged, Machine lift overload, Quick Coupler, Regen request, Low DEF level, Problem in SCR, VBO angle sensor failure, VBO joystick pressure sensor failure, EPPR valve failure, AGS, clogged Fuel filter, Ultrasonic sensor, Engine RPM and starting restriction or TMS failure, Coolant level, Seat belt, No smart key, Failed to detect smart key, Low battery smart key, DEF pressure, Hydraulic return filter clogged, Regen prohibited, Regeneration active, Manual regen, GPS antenna failure, GSM antenna failure, Satellite antenna failure, Check machine, Stop engine  Digital Clock  Alarm Buzzer for:  Engine Oil Pressure  Coolant Temperature  Electronic Monitor for:  Engine Coolant Temperature Gauge  Fuel Gauge  Hydraulic Oil Temperature Gauge  DEF (AdBlue®) Level  Multi-function Touch Screen Display for:  Funcion Symbol Indicator (Power Boost, Auxiliary Hydraulic Pedal/Joystick Selector, Travel Speed, Work Light, Intelligent Floating Boom, ISO/BHL Pattern Control, Fine Swing  Indicator Display (USB, Auto Shutdown, ACC, Auto Warm Up, Joystic One-touch, VBO Limp Home Mode, Engine Preheat, EPOS/ECU/EPOS-ECU, Reverse Fan On, Mirror Heater, Bluetooth)  Favorite Button Indicator  Main Information Selector Button (Reset Trip, Trip Info, Soot Level, PM Service Info)  Main Information Indicator  Power Mode Selector Button Indicator (Power+, Power, Standard, Economy)  Power Mode Indicator  Auxiliary Hydraulics Selector Button (Unidirectional-Hammer or Bi-directional-Shear)  Audio Display  Auto Idle Indicator  Menu Selector Button</p>
Undercarriage	<p>Track Guards and Chains with Adjusters  Track Rollers: (2) Upper, (9) Lower Each Side  Triple Grouser Shoes, 49 Each Side</p>
Other	<p>Joystick Pattern Change Valve  Centralized Lube Points  Large Access Handrail to upper deck  Steel Casted Lift Bracket integrated with Idler Linkage  Punched Metal Anti-slip Plates  Engine Restart Prevention System  Manuals, Parts and Operator's  Ultra-hard Wear-resistant Disc on both sides of bucket arm end  Vandalism Protection (All panels and fill points lockable)  Telematics: 3 Yr Free Cellular Subscription - 3.0 Global (Cell Only)</p>