

PACKAGE ARRANGEMENT (1)		Discount to apply 25%
Product	Approx. Weight	List Price
DX190W-7-US30	21,000.00 KG	239,715.97 USD
DX190W-7 BASE MACHINE W/O BUCKET 17' 1" (5.2 M) MONO BOOM 8' 6" (2.6 M) ARM FRONT AND REAR INDEPENDENT OUTRIGGERS W/O CRADLE ONE AND TWO WAY AUX. PIPING PLUS SLOPE/ROTATING PIPING TO END OF ARM TWIN TIRES 10.0-20-16PR		

OPTIONAL EQUIPMENT - Factory Installed (23)			Discount to apply 20%
Option	CODE	Description	List Price
ARM	022	2.2m Arm	-100.00 USD
ARM	031	3.1m Arm	350.00 USD
TIRE	10A	10.0-20-14PR	-300.00 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	750.00 USD
HEATING & COOLING SEAT	HCS	Heating & Cooling Seat	750.00 USD
MICROPHONE	MIC	Microphone	1,000.00 USD
RAIN SHIELD	RAI	Rain Shield	175.00 USD
CAMERA	AVC	Around View Camera	2,325.00 USD
CAMERA	RVA	Rear View AVM Ready	75.00 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)	1,425.00 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
AIR COMPRESSOR	ACO	Air Compressor	4,575.00 USD
FUEL FILLER PUMP	FIL	Fuel Filler Pump	375.00 USD
JOYSTICK STEERING	JST	JOYSTICK STEERING	3,575.00 USD
SHOE CASE	SHC	Shoe Case	75.00 USD

Attachments - Dealer Installed (24)

Attachment	Description	Approx. Weight	List Price
5000023	TPC4K for DX190W-5	1.00	4,900.00 USD
5000026	BREAKER; HYDRAULIC	1.00	17,484.62 USD
5000028	TOOI; MOIL POINT	2,550.00	56,108.70 USD
5000029	*Non-Cancelable* 0.75 CU. YD. 60" ANGLE TILT DITCHING BUCKET (WITH BOLT-ON EDGE)	1.00	1,081.38 USD
AT200-060	0.97 CU. YD. 48" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,750.00	20,825.37 USD
DC200-048	1.22 CU. YD. 60" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,195.00	6,166.33 USD
DC200-060	1.34 CU. YD. 72" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,395.00	6,708.21 USD
DC200-072	0.50 CU. YD. 24" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,395.00	7,136.78 USD
HD18-024	0.68 CU. YD. 30" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,095.00	7,050.03 USD
HD18-030	0.86 CU. YD. 36" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,190.00	8,682.51 USD
HD18-036	1.04 CU. YD. 42" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,338.00	8,020.48 USD
HD18-042	1.22 CU. YD. 48" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,448.00	8,399.45 USD
HD18-048	1.58 CU. YD. 60" HD DITCH CLEAN UP BUCKET (WITH BOLT-ON EDGE)	1,584.00	9,045.81 USD
HDC180-060	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH BUCKET	1,887.00	10,797.37 USD
HT-18DM3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH BUCKET	1,012.00	12,167.83 USD
HT-18DM4T-A	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH COUPLER	1,050.00	12,167.83 USD
HT-18QC3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH COUPLER	1,100.00	13,335.95 USD
HT-18QC4T-A	HYD. QUICK COUPLER (INCLUDES SOFT PINS, JUMPER HOSE ONLY) FOR DX180/DX190	1,130.00	13,335.95 USD

QC-80H3G3-318	0.50 CU. YD. 24" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	628.00	7,723.95 USD
SD18-024	0.68 CU. YD. 30" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,151.00	8,849.26 USD
SD18-030	0.86 CU. YD. 36" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,264.00	9,433.10 USD
SD18-036	1.04 CU. YD. 42" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,417.00	9,996.80 USD
SD18-042	1.22 CU. YD. 48" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,531.00	10,766.60 USD
SD18-048		1,681.00	11,524.62 USD

STANDARD EQUIPMENT FOR BASE MACHINE (7)

Item	Description
Engine	<p>Doosan DL06P: Variable Geometry Turbo Charged Air to Air Intercooler Electronically Controlled Common Rail Direct Injected T4: Cooled Exhaust Gas Recirculation + Diesel Oxidation Catalyst + Selective Catalytic Reduction with Diesel Exhaust Fluid 174 HP(SAE J1995)/129 kW Gross Flywheel Horsepower @ 1800 rpm 162 HP(SAE J1349)/121 kW Net @ 1800 rpm Displacement: 359cu.in., 6 Cylinder Bore 3.94" (100mm) Diameter x 4.92" (125mm) Stroke Torque: 593ft. Lbs (82 kgf-m) @ 1,400 rpm High Idle 1900 ± 50 rpm, Low Idle 800 ± 50 rpm Auto Idle System Auto Shut Down 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</p>
Hydraulic, Transmission & Steering	<p>Pilot Operated Control Valves, (11) Spools Main Pump: Tandem Variable Axial Piston Type, Flow: 2 x 53 gpm; Pressure Setting 4978 psi boost Pilot Circuit, Gear Type Pump; Flow: 7 gpm Swing Motor, Axial Piston Type driving a 2-stage planetary gearbox to maximize torque Swing Maximum Speed: 11 RPM Fine Swing Control Maximum Swing Torque 36,382 ft.lbs. Spring Set, Hydraulic-released Brakes Drive Train: A Bent Axial Piston motor in combination with a 2 speed Power Shift Gear Box to deliver 26,000 pounds of force Maximum speed of 22 mph on the road; 6 mph off road and creeping speed of 2 mph Axle oscillation without mudguards: +/- 8° Twin wheel 10.0-20-16PR Minimum turning radius of 21 feet 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>
	<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 & 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</p>

Cab	<p>Switches:</p> <ul style="list-style-type: none"> 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 Engine After Treatment System Switch Wiper Control Panel <p>Safety Lock Lever</p> <p>Ergonomic Leatherlike Operator Seat:</p> <ul style="list-style-type: none"> Integrated Heater and Air Conditioner 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 <p>Skylight</p> <ul style="list-style-type: none"> 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 Fully insulated Lunch Box Compartment 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 with Spring reinforcement Sun Screens for Top Hatch, Front Windshield and Rear Window
Electrical/Electronic Control System	<p>Advanced Mechatronics with Power Mode Control System to maximize machine efficiency and productivity</p> <ul style="list-style-type: none"> 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 <p>Machine Status Display with Integrated Self Diagnostics System</p> <ul style="list-style-type: none"> 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 Limp Home Mode Control Switch Proximity Alarm Warning System (option) Proportional control for auxiliary hydraulics via roll switch on both joysticks Adjustable Auxiliary Flow and Pressure up to 10 presets <p>Alternator: 24 V, 100 amp</p> <p>Batteries: (2) 12 V, 150AmpH, 950CCA</p> <p>Starter: 24 V x 6 KW</p> <ul style="list-style-type: none"> Engine Emergency Stop Switch 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 fdoor lock/unlock Electric Horn Hour Meter
	<p>Main Warning Lamp</p> <p>Warning Symbol Indicator for:</p> <p>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 Ultrasonic sensor, Engine RPM and starting restriction or TMS</p>

Display Monitor and Warnings	<p>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</p> <p>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: Function Symbol Indicator (Power Boost, Auxiliary Hydraulic Pedal/Joystick Selector, Travel Speed, Work Light, 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)</p> <p>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) Travel Speed Indicator Power Mode Indicator Auxiliary Hydraulics Selector Button (Unidirectional-Hammer or Bi-directional-Shear) Audio Display Auto Idle Indicator Menu Selector Button</p>
Other	<p>Joystick Pattern Change Valve Centralized Lube Points Large Handrail 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 Cab prepared with Vandalism Guard Hooks GPS 3 Year Subscription</p>
A. Option Dependencies	<p>1. For the Load Isolation System (Boom Suspension) option, machine must have Lock Valve on Boom or Boom & Arm + No Fenders + Overload Warning 2. To get the Ultrasonic Sensor option, Around View Camera has to be selected first. 3. To get the Overload Warning option, the Lock Valve for Boom or Boom & Arm has to be selected first.</p>

PACKAGE ARRANGEMENT (1)		Discount to apply 25%
Product	Approx. Weight	List Price
DX190W-7-US40	21,000.00 KG	238,818.94 USD
DX190W-7 BASE MACHINE W/O BUCKET 18' (5.5 M) ARTICULATED BOOM 7' 7" (2.3 M) ARM FRONT DOZER BLADE AND INDEPENDENT REAR OUTRIGGERS ONE AND TWO WAY AUX.PIPING PLUS SLOPE/ROTATING PIPING TO END OF ARM TWIN TIRES 10.0-20-16PR		

OPTIONAL EQUIPMENT - Factory Installed (22)			Discount to apply 20%
Option	CODE	Description	List Price
ARM	A26	2.6m Arm ; ARTI	1,050.00 USD
TIRE	10A	10.0-20-14PR	-300.00 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	750.00 USD
HEATING & COOLING SEAT	HCS	Heating & Cooling Seat	750.00 USD
MICROPHONE	MIC	Microphone	1,000.00 USD
RAIN SHIELD	RAI	Rain Shield	175.00 USD
CAMERA	AVC	Around View Camera	2,325.00 USD
CAMERA	RVA	Rear View AVM Ready	75.00 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)	1,425.00 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

AIR COMPRESSOR	ACO	Air Compressor	4,575.00 USD
FUEL FILLER PUMP	FIL	Fuel Filler Pump	375.00 USD
JOYSTICK STEERING	JST	JOYSTICK STEERING	3,575.00 USD
SHOE CASE	SHC	Shoe Case	75.00 USD

Attachments - Dealer Installed (24)			
Attachment	Description	Approx. Weight	List Price
5000023	TPC4K for DX190W-5	1.00	4,900.00 USD
5000026	BREAKER; HYDRAULIC	1.00	17,484.62 USD
5000028	TOOI; MOIL POINT	2,550.00	56,108.70 USD
5000029	*Non-Cancelable* 0.75 CU. YD. 60" ANGLE TILT DITCHING BUCKET (WITH BOLT-ON EDGE)	1.00	1,081.38 USD
AT200-060	0.97 CU. YD. 48" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,750.00	20,825.37 USD
DC200-048	1.22 CU. YD. 60" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,195.00	6,166.33 USD
DC200-060	1.34 CU. YD. 72" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,395.00	6,708.21 USD
DC200-072	0.50 CU. YD. 24" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,395.00	7,136.78 USD
HD18-024	0.68 CU. YD. 30" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,095.00	7,050.03 USD
HD18-030	0.86 CU. YD. 36" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,190.00	8,682.51 USD
HD18-036	1.04 CU. YD. 42" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,338.00	8,020.48 USD
HD18-042	1.22 CU. YD. 48" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,448.00	8,399.45 USD
HD18-048	1.58 CU. YD. 60" HD DITCH CLEAN UP BUCKET (WITH BOLT-ON EDGE)	1,584.00	9,045.81 USD
HDC180-060	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH BUCKET	1,887.00	10,797.37 USD
HT-18DM3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH BUCKET	1,012.00	12,167.83 USD
HT-18DM4T-A	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH COUPLER	1,050.00	12,167.83 USD
HT-18QC3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH COUPLER	1,100.00	13,335.95 USD
HT-18QC4T-A	HYD. QUICK COUPLER (INCLUDES SOFT PINS, JUMPER HOSE ONLY) FOR DX180/DX190	1,130.00	13,335.95 USD

QC-80H3G3-318	0.50 CU. YD. 24" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	628.00	7,723.95 USD
SD18-024	0.68 CU. YD. 30" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,151.00	8,849.26 USD
SD18-030	0.86 CU. YD. 36" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,264.00	9,433.10 USD
SD18-036	1.04 CU. YD. 42" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,417.00	9,996.80 USD
SD18-042	1.22 CU. YD. 48" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,531.00	10,766.60 USD
SD18-048		1,681.00	11,524.62 USD

STANDARD EQUIPMENT FOR BASE MACHINE (7)

Item	Description
Engine	<p>Doosan DL06P: Variable Geometry Turbo Charged Air to Air Intercooler Electronically Controlled Common Rail Direct Injected T4: Cooled Exhaust Gas Recirculation + Diesel Oxidation Catalyst + Selective Catalytic Reduction with Diesel Exhaust Fluid 174 HP(SAE J1995)/129 kW Gross Flywheel Horsepower @ 1800 rpm 162 HP(SAE J1349)/121 kW Net @ 1800 rpm Displacement: 359cu.in., 6 Cylinder Bore 3.94" (100mm) Diameter x 4.92" (125mm) Stroke Torque: 593ft. Lbs (82 kgf-m) @ 1,400 rpm High Idle 1900 ± 50 rpm, Low Idle 800 ± 50 rpm Auto Idle System Auto Shut Down 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</p>
Hydraulic, Transmission & Steering	<p>Pilot Operated Control Valves, (11) Spools Main Pump: Tandem Variable Axial Piston Type, Flow: 2 x 53 gpm; Pressure Setting 4978 psi boost Pilot Circuit, Gear Type Pump; Flow: 7 gpm Swing Motor, Axial Piston Type driving a 2-stage planetary gearbox to maximize torque Swing Maximum Speed: 11 RPM Fine Swing Control Maximum Swing Torque 36,382 ft.lbs. Spring Set, Hydraulic-released Brakes Drive Train: A Bent Axial Piston motor in combination with a 2 speed Power Shift Gear Box to deliver 26,000 pounds of force Maximum speed of 22 mph on the road; 6 mph off road and creeping speed of 2 mph Axle oscillation without mudguards: +/- 8° Twin wheel 10.0-20-16PR Minimum turning radius of 21 feet 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>
	<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 & 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</p>

Cab	<p>Switches:</p> <ul style="list-style-type: none"> 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 Engine After Treatment System Switch Wiper Control Panel <p>Safety Lock Lever</p> <p>Ergonomic Leatherlike Operator Seat:</p> <ul style="list-style-type: none"> Integrated Heater and Air Conditioner 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 <p>Skylight</p> <ul style="list-style-type: none"> 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 Fully insulated Lunch Box Compartment 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 with Spring reinforcement Sun Screens for Top Hatch, Front Windshield and Rear Window
Electrical/Electronic Control System	<p>Advanced Mechatronics with Power Mode Control System to maximize machine efficiency and productivity</p> <ul style="list-style-type: none"> 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 <p>Machine Status Display with Integrated Self Diagnostics System</p> <ul style="list-style-type: none"> 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 Limp Home Mode Control Switch Proximity Alarm Warning System (option) Proportional control for auxiliary hydraulics via roll switch on both joysticks Adjustable Auxiliary Flow and Pressure up to 10 presets <p>Alternator: 24 V, 100 amp</p> <p>Batteries: (2) 12 V, 150AmpH, 950CCA</p> <p>Starter: 24 V x 6 KW</p> <ul style="list-style-type: none"> Engine Emergency Stop Switch 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 fdoor lock/unlock Electric Horn Hour Meter
	<p>Main Warning Lamp</p> <p>Warning Symbol Indicator for:</p> <p>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 Ultrasonic sensor, Engine RPM and starting restriction or TMS</p>

Display Monitor and Warnings	<p>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</p> <p>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: Function Symbol Indicator (Power Boost, Auxiliary Hydraulic Pedal/Joystick Selector, Travel Speed, Work Light, 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)</p> <p>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) Travel Speed Indicator Power Mode Indicator Auxiliary Hydraulics Selector Button (Unidirectional-Hammer or Bi-directional-Shear) Audio Display Auto Idle Indicator Menu Selector Button</p>
Other	<p>Joystick Pattern Change Valve Centralized Lube Points Large Handrail 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 Cab prepared with Vandalism Guard Hooks GPS 3 Year Subscription</p>
A. Option Dependencies	<p>1. For the Load Isolation System (Boom Suspension) option, machine must have Lock Valve on Boom or Boom & Arm + No Fenders + Overload Warning 2. To get the Ultrasonic Sensor option, Around View Camera has to be selected first. 3. To get the Overload Warning option, the Lock Valve for Boom or Boom & Arm has to be selected first.</p>

PACKAGE ARRANGEMENT (1)		Discount to apply 25%
Product	Approx. Weight	List Price
DX190W-7-US50	21,000.00 KG	248,716.67 USD
DX190W-7 BASE MACHINE W/O BUCKET 18' (5.5 M) ARTICULATED BOOM 7' 7" (2.3 M) ARM FRONT AND REAR INDEPENDENT OUTRIGGERS W/O CRADLE ONE AND TWO WAY AUX. PIPING PLUS SLOPE/ROTATING PIPING TO END OF ARM TWIN TIRES 10.0-20-16PR		

OPTIONAL EQUIPMENT - Factory Installed (22)			Discount to apply 20%
Option	CODE	Description	List Price
ARM	A26	2.6m Arm ; ARTI	1,050.00 USD
TIRE	10A	10.0-20-14PR	-300.00 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	750.00 USD
HEATING & COOLING SEAT	HCS	Heating & Cooling Seat	750.00 USD
MICROPHONE	MIC	Microphone	1,000.00 USD
RAIN SHIELD	RAI	Rain Shield	175.00 USD
CAMERA	AVC	Around View Camera	2,325.00 USD
CAMERA	RVA	Rear View AVM Ready	75.00 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)	1,425.00 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

AIR COMPRESSOR	ACO	Air Compressor	4,575.00 USD
FUEL FILLER PUMP	FIL	Fuel Filler Pump	375.00 USD
JOYSTICK STEERING	JST	JOYSTICK STEERING	3,575.00 USD
SHOE CASE	SHC	Shoe Case	75.00 USD

Attachments - Dealer Installed (24)			
Attachment	Description	Approx. Weight	List Price
5000023	TPC4K for DX190W-5	1.00	4,900.00 USD
5000026	BREAKER; HYDRAULIC	1.00	17,484.62 USD
5000028	TOOI; MOIL POINT	2,550.00	56,108.70 USD
5000029	*Non-Cancelable* 0.75 CU. YD. 60" ANGLE TILT DITCHING BUCKET (WITH BOLT-ON EDGE)	1.00	1,081.38 USD
AT200-060	0.97 CU. YD. 48" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,750.00	20,825.37 USD
DC200-048	1.22 CU. YD. 60" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,195.00	6,166.33 USD
DC200-060	1.34 CU. YD. 72" DITCH CLEANING BUCKET (WITH BOLT-ON EDGE)	1,395.00	6,708.21 USD
DC200-072	0.50 CU. YD. 24" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,395.00	7,136.78 USD
HD18-024	0.68 CU. YD. 30" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,095.00	7,050.03 USD
HD18-030	0.86 CU. YD. 36" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,190.00	8,682.51 USD
HD18-036	1.04 CU. YD. 42" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,338.00	8,020.48 USD
HD18-042	1.22 CU. YD. 48" HEAVY DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,448.00	8,399.45 USD
HD18-048	1.58 CU. YD. 60" HD DITCH CLEAN UP BUCKET (WITH BOLT-ON EDGE)	1,584.00	9,045.81 USD
HDC180-060	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH BUCKET	1,887.00	10,797.37 USD
HT-18DM3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH BUCKET	1,012.00	12,167.83 USD
HT-18DM4T-A	HYD. MAIN PIN THUMB; 3 TINE; FOR 30"; 48" BUCKET; USED WITH COUPLER	1,050.00	12,167.83 USD
HT-18QC3T-A	HYD. MAIN PIN THUMB; 4 TINE; FOR 36"; 42" BUCKET; USED WITH COUPLER	1,100.00	13,335.95 USD
HT-18QC4T-A	HYD. QUICK COUPLER (INCLUDES SOFT PINS, JUMPER HOSE ONLY) FOR DX180/DX190	1,130.00	13,335.95 USD

QC-80H3G3-318	0.50 CU. YD. 24" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	628.00	7,723.95 USD
SD18-024	0.68 CU. YD. 30" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,151.00	8,849.26 USD
SD18-030	0.86 CU. YD. 36" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,264.00	9,433.10 USD
SD18-036	1.04 CU. YD. 42" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,417.00	9,996.80 USD
SD18-042	1.22 CU. YD. 48" SEVERE DUTY BUCKET (INCLUDES WEAR SHROUDS)	1,531.00	10,766.60 USD
SD18-048		1,681.00	11,524.62 USD

STANDARD EQUIPMENT FOR BASE MACHINE (7)

Item	Description
Engine	<p>Doosan DL06P: Variable Geometry Turbo Charged Air to Air Intercooler Electronically Controlled Common Rail Direct Injected T4: Cooled Exhaust Gas Recirculation + Diesel Oxidation Catalyst + Selective Catalytic Reduction with Diesel Exhaust Fluid 174 HP(SAE J1995)/129 kW Gross Flywheel Horsepower @ 1800 rpm 162 HP(SAE J1349)/121 kW Net @ 1800 rpm Displacement: 359cu.in., 6 Cylinder Bore 3.94" (100mm) Diameter x 4.92" (125mm) Stroke Torque: 593ft. Lbs (82 kgf-m) @ 1,400 rpm High Idle 1900 ± 50 rpm, Low Idle 800 ± 50 rpm Auto Idle System Auto Shut Down 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</p>
Hydraulic, Transmission & Steering	<p>Pilot Operated Control Valves, (11) Spools Main Pump: Tandem Variable Axial Piston Type, Flow: 2 x 53 gpm; Pressure Setting 4978 psi boost Pilot Circuit, Gear Type Pump; Flow: 7 gpm Swing Motor, Axial Piston Type driving a 2-stage planetary gearbox to maximize torque Swing Maximum Speed: 11 RPM Fine Swing Control Maximum Swing Torque 36,382 ft.lbs. Spring Set, Hydraulic-released Brakes Drive Train: A Bent Axial Piston motor in combination with a 2 speed Power Shift Gear Box to deliver 26,000 pounds of force Maximum speed of 22 mph on the road; 6 mph off road and creeping speed of 2 mph Axle oscillation without mudguards: +/- 8° Twin wheel 10.0-20-16PR Minimum turning radius of 21 feet 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>
	<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 & 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</p>

Cab	<p>Switches:</p> <ul style="list-style-type: none"> 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 Engine After Treatment System Switch Wiper Control Panel <p>Safety Lock Lever</p> <p>Ergonomic Leatherlike Operator Seat:</p> <ul style="list-style-type: none"> Integrated Heater and Air Conditioner 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 <p>Skylight</p> <ul style="list-style-type: none"> 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 Fully insulated Lunch Box Compartment 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 with Spring reinforcement Sun Screens for Top Hatch, Front Windshield and Rear Window
Electrical/Electronic Control System	<p>Advanced Mechatronics with Power Mode Control System to maximize machine efficiency and productivity</p> <ul style="list-style-type: none"> 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 <p>Machine Status Display with Integrated Self Diagnostics System</p> <ul style="list-style-type: none"> 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 Limp Home Mode Control Switch Proximity Alarm Warning System (option) Proportional control for auxiliary hydraulics via roll switch on both joysticks Adjustable Auxiliary Flow and Pressure up to 10 presets <p>Alternator: 24 V, 100 amp</p> <p>Batteries: (2) 12 V, 150AmpH, 950CCA</p> <p>Starter: 24 V x 6 KW</p> <ul style="list-style-type: none"> Engine Emergency Stop Switch 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 fdoor lock/unlock Electric Horn Hour Meter
	<p>Main Warning Lamp</p> <p>Warning Symbol Indicator for:</p> <p>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 Ultrasonic sensor, Engine RPM and starting restriction or TMS</p>

<p>Display Monitor and Warnings</p>	<p>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</p> <p>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: Function Symbol Indicator (Power Boost, Auxiliary Hydraulic Pedal/Joystick Selector, Travel Speed, Work Light, 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)</p> <p>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) Travel Speed Indicator Power Mode Indicator Auxiliary Hydraulics Selector Button (Unidirectional-Hammer or Bi-directional-Shear) Audio Display Auto Idle Indicator Menu Selector Button</p>
<p>Other</p>	<p>Joystick Pattern Change Valve Centralized Lube Points Large Handrail 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 Cab prepared with Vandalism Guard Hooks GPS 3 Year Subscription</p>
<p>A. Option Dependencies</p>	<p>1. For the Load Isolation System (Boom Suspension) option, machine must have Lock Valve on Boom or Boom & Arm + No Fenders + Overload Warning 2. To get the Ultrasonic Sensor option, Around View Camera has to be selected first. 3. To get the Overload Warning option, the Lock Valve for Boom or Boom & Arm has to be selected first.</p>