

* | 129.4 kW (174 HP) at 1900 rpm

▲ | 18400 - 20300 kg

🗑️ | 0.38 - 0.93 m³

DOOSAN

DX190W-3 | Wheeled Excavator



TAKE A TOUR

Large, heavy-duty boom and arm cylinders for smooth, powerful operation

Reinforced castings and forged steel pivot points

Reliable and well protected hydraulic, electric and lubrication routings with simple, optimised layout

Reinforced heavy-duty arm and boom with optional new boom floating system

All-round visibility with better view through the rear and right windows

Massive maximum bucket and arm digging forces of 13.9 and 11.4 t

EXPERT CONTROL

- Forward - Neutral - Reverse switch on the right joystick
- 3 speeds (high, low, creep) with cruise control
- Jog shuttle switch to control various machine functions
- 4 working modes and 4 power modes for maximum efficiency
- As standard, hydraulic flow and pressure adjustable from the cab with 10 attachment presets
- Proportional control of auxiliary hydraulics to operate attachments smoothly and precisely
- New, user-friendly 7" TFT LCD colour monitor with full access to machine settings and maintenance data
- Rear camera and large side mirrors (side camera optional)
- 3 front axle oscillation lock modes (On/Off/Auto)

Excellent ground clearance for better protection in rough terrain

New work lights with improved illumination (standard: 2 front frame, 4 front & 2 rear cab-mounted, 2 boom mounted and 1 rear side)

COMFORTABLE WORKSPACE

- Spacious, newly designed, pressurised ROPS cab with low noise and vibration levels
- Fully adjustable heated air suspension seat as standard
- Large sun roof for extra overhead visibility
- Air conditioning with climate control
- Extra-large door for easy access

MAXIMUM EFFICIENCY

- 6-cylinder powerful DOOSAN DL06KB "Common Rail", Stage IIIB compliant EGR engine
- Reduced fuel consumption (up to 12%)
- e-EPOS System (Electronic Power Optimising System) and hydraulic power boost function for optimised combustion and minimised emissions
- Efficient conversion of engine output into hydraulic performance for better fuel efficiency and lower costs
- Large pump capacity (2 x 200 l/min) to boost hydraulic performance and attachment control
- Electronic fan clutch reduces fuel consumption and noise level while improving cooling performance

EASY MAINTENANCE

- Easy access to all maintenance components
- Maintenance data available directly from control panel
- Centralised filters
- Fuel pre-filter with water separator
- PC access for maintenance and repairs
- Self-diagnosis function
- Reliable Doosan parts

SOLID STRENGTH

- Reinforced undercarriage and smooth transmission ensure a comfortable ride and better access to rough terrain
- Large reinforced covers completely protect the dozer and stabilizer cylinders

DX 190W-3

Precision control for higher output

Doosan's unique new jog shuttle switch gives you easy, precise control over all machine functions. Proportional auxiliary flow means that the excavator's huge power is matched by smooth, confident manoeuvres. Using highly sensitive joysticks and clear controls positioned for convenient access, you are able to work safely and confidently with minimum effort. Even the switches have been ergonomically placed on the right and positioned according to the frequency with which they are used. The highest standards of efficiency are just a finger's reach away.



Jog shuttle control switch

- Power mode and Work mode
- Auto-idle / Buzzer Stop
- Adjustment of rpm, hydraulic flow and pressure for attachments
- 10 different attachment presets
- Rear view camera
- Multimedia: - video: AVI (DivX®), MP4, WMV
- audio: MP3
- Menu change or selection

Colour LCD monitor panel

The upgraded 7" TFT LCD panel features a day and night display and has been relocated within the operator's line of sight. The monitor is user-friendly and gives full access to machine settings and maintenance data. Any abnormality is clearly displayed on the screen, allowing you to work safely and confidently with an accurate overview of all conditions. All functions are fully controllable, directly via the screen or using the jog shuttle switch.



4 Work modes to suit your application

- 1-way mode and 2-way mode
- Digging mode and lifting mode

4 Power modes for maximum efficiency

- Power plus mode
- Power mode
- Standard mode
- Economy mode

Gauges

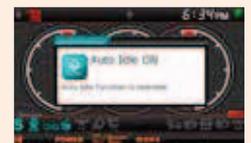
- Engine coolant and hydraulic oil temperatures
- Fuel level
- Eco symbol: changes colour when operating conditions change (idle, normal or loading)
- Eco gauge: shows the average fuel efficiency for 1 minute of operation
- Speed display
- Warning symbols



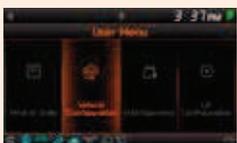
4 Work modes



4 Power modes



Auto-idle



User menu



Service menu



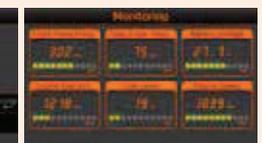
Attachment presets



Filter/oil information



Anti-theft protection

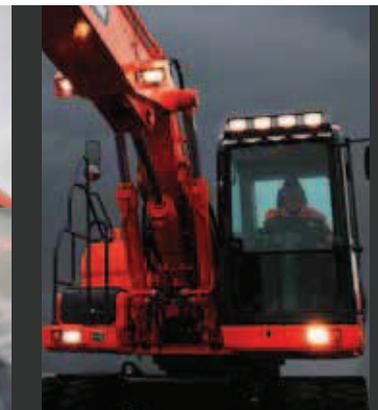


Monitoring

Your safety – our biggest concern

- A rear view camera gives you a clear view of what's happening behind the machine. A side view camera is also available as an option for jobs requiring extra safety measures
- Cab and boom lights are fitted as standard, greatly enhancing safety on night-time jobs
- Large side mirrors improve all-round visibility (ISO compliant)

Other standard safety features include: cruise control, 3 front axle oscillation lock modes (On/Off/Auto), automatic overheating prevention, low oil pressure sensor, engine emergency cut-off switch, auxiliary mode switch, overload warning device, cab swing lock pin, etc.



Technical specifications

* Engine

• Model

Doosan DL06KB
4-Cycle Water-Cooled, Wastegate Turbocharger,
Common Rail Direct Injection, Exhaust Gas Recirculation

• No. of cylinders

6

• Rated power at 1900 rpm

129.4 kW (176 PS) (DIN 6271)
126.5 kW (170 HP) (SAE J1349)
129.4 kW (174 HP) (SAE J1995)

• Max. torque at 1400 rpm

73 kgf/m (716 Nm)

• Idle (low - high)

800 [±50] -2000 [±50] rpm

• Piston displacement

5890 cm³

• Bore x stroke

∅ 100 x 125 mm

• Starter

24 V / 6.0 kW

• Batteries / Alternator

2 x 12 V, 150 Ah / 24 V, 80 A

• Air filter

Double element and pre-filtered Turbo with automatic dust evacuation.
Filtration area 7.6 m² (outer), 1.4 m² (inner)
Size (diameter x length) 279.4 mm x 489.5 mm

* Undercarriage

Very robust construction throughout. All welded structures designed to limit stresses. High-quality, durable materials. Lateral chassis welded and rigidly attached to undercarriage. Heat-treated connecting pins. 10.00-20-14PR (OTR) double tyres with tyre spacer. Heavy-duty front axle with automatic or operator-controlled (on/off) front axle oscillation lock.

• Front axle oscillation

+/- 8° with automatic ram lock

* Brakes

Dual multi-disc circuit with sintered metal discs for extended service life. Braking system activated by a pump and accumulator circuits. Spring-applied, hydraulically released parking brake mounted on the transmission shaft.

* Hydraulic system

The brain of the excavator is the e-EPOS (Electronic Power Optimising System). It allows operation of the hydraulic system to be optimised for all working conditions and minimises fuel consumption. The e-EPOS is connected to the engine's electronic control unit (ECU) via a data transfer link to harmonise the operation of the engine and the hydraulic system.

- The hydraulic system allows independent or combined operations
- Two travel speeds offer either increased torque or high speed
- Cross-sensing pump system for fuel savings
- Auto deceleration system
- Four operating modes, four power modes
- Button control of flow in auxiliary hydraulic circuits
- Computer-aided pump flow control

• Maximum system pressure

Work/travel: 357 kg/cm² [±5]

Swing: 275 kg/cm² [±5]

Pilot: 40 kgf/cm²

* Pumps

Pump	Type	Displacement	Max. flow @ 1900 rpm	Relief valve pressure
Main (2)	Tandem, Axial piston	105.3 cm ³ /rev	2 x 200 l/min	-
Pilot	Gear	10.7 cm ³ /rev	26.1 l/min	40 kgf/cm ²
Steering	Gear	34.5 cm ³ /rev	65.5 l/min	190 kgf/cm ²
Brake	Gear	11.2 cm ³ /rev	21.3 l/min	160 kgf/cm ²

* Hydraulic cylinders

Piston rods and cylinder bodies of high-strength steel. Shock-absorbing mechanism fitted in all cylinders for shock-free operation and extended piston life.

Cylinders	Quantity	Bore x rod diameter x stroke
One-piece boom	2	120 x 85 x 1180 mm
Arm	1	125 x 90 x 1470 mm
Bucket	1	110 x 75 x 1030 mm
Two-piece boom upper	2	120 x 85 x 1015 mm
Two-piece boom lower	1	160 x 95 x 760 mm
Two-piece boom, arm	1	125 x 90 x 1470 mm
Blade	2	110 x 70 x 170 mm
Stabilizer	2	130 x 80 x 397 mm

* Swing mechanism

- High-torque, axial piston motor with planetary reduction gear in oil bath
- Swing circle: single-row, shear type ball bearing with induction-hardened internal gear
- Internal gear and pinion immersed in lubricant
- Increased swing torque reduces swing time
- The swing brake for parking is activated by spring and released hydraulically
- Max. swing speed (Eff.=0.98): 0 to 10.9 rpm
- Max. swing torque (Eff.=0.75): 4836 kgf/m

* Drive

The wheels are driven by an axial piston engine via a two-speed powershift transmission.
In addition to the two-speed powershift transmission, there is also an economy mode and a switch for the creep speed.
A button makes it possible to pass from high to low in work mode.

• Travel speed

Two travel speed ranges offer a choice between increased torque or high speed.

High	/ Low	/ Creep
35.7	/ 9.4	/ 3.4 km/h

• Maximum traction

11.2 t

• Minimum turning radius

7.0 m (6.7 m without front dozer)

* Fluid capacities

• Fuel tank

310 l

• Cooling system (radiator capacity)

24 l

• Hydraulic oil tank

116 l

• Engine oil

25 l

• Swing drive

3.8 l

• Front axle hub

2 x 2.5 l

• Rear axle hub

2 x 2.5 l

• Front Axle Case

10.5 l

• Rear Axle Case

14.0 l

• Transmission

2.5 l

* Noise emission

• A-weighted emission sound pressure level at the operator's position, L_{pAd} (ISO 6396:2008)

Declared : 71 dB(A)

Measured : 70 dB(A)

• A-weighted sound power level, L_{wAd} (2000/14/EC)

Declared : 101 dB(A)

Measured : 99 dB(A)

Note – Declared single-number noise emission values are the sum of measured values and the associated uncertainty, and they represent upper boundaries of the range of values which is likely to occur in measurements.

* Buckets

Bucket Type	Capacity (m ³) SAE	Width (mm)		Weight (kg)	One-piece boom			Two-piece boom	
		With side cutters	Without side cutters		Arm: 2.2 m	Arm: 2.6 m	Arm: 3.1 m	Arm: 2.3 m	Arm: 2.6 m
GP	0.38	640	604	428	A	A	A	A	A
	0.45	775	727	452	A	A	A	A	A
	0.57	913	865	507	A	A	A	A	A
	0.70	1063	1015	553	A	A	B	B	B
	0.76	1127	1079	587	A	B	C	C	C
	0.80	1171	1123	601	B	B	C	C	C
	0.93	1351	1267	650	C	C	D	D	D
HD	0.66	994	916	692	A	B	B	B	C
	0.73	1064	986	732	B	B	C	C	C
	0.80	1142	1064	761	B	C	D	D	D

Based on ISO 10567 and SAE J296, arm length without quick-coupler. For reference only.

A: Suitable for materials with a density less than or equal to 2100 kg/m³ / B: Suitable for materials with a density less than or equal to 1800 kg/m³

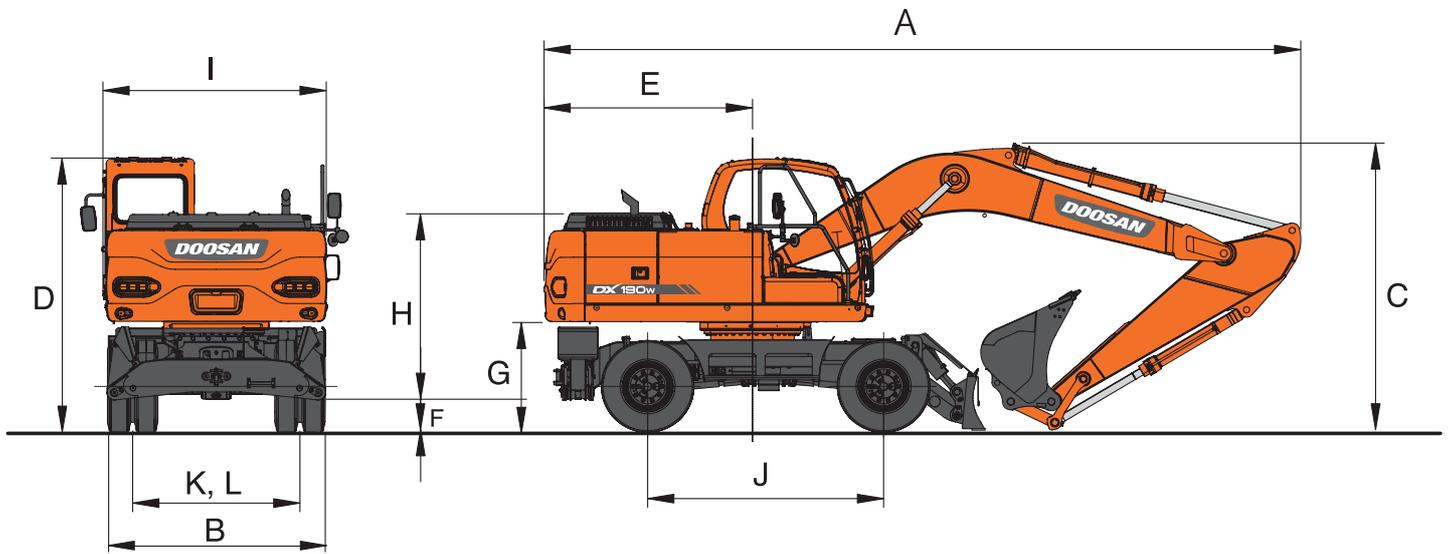
C: Suitable for materials with a density less than or equal to 1500 kg/m³ / D: Suitable for materials with a density less than or equal to 1200 kg/m³

Counterweight: 3.6 t

* Digging forces (ISO)

		One-piece boom: 5200 mm Arm: 3100 mm Bucket: 0.80 m ³	One-piece boom: 5200 mm Arm: 2600 mm Bucket: 0.80 m ³	One-piece boom: 5200 mm Arm: 2200 mm Bucket: 0.80 m ³	Two-piece boom: 5440 mm Arm: 2300 mm Bucket: 0.80 m ³	Two-piece boom: 5440 mm Arm: 2600 mm Bucket: 0.76 m ³
BUCKET (Normal/Press. Up)	t	13.1 / 13.8	13.1 / 13.8	13.1 / 13.8	13.1 / 13.8	13.1 / 13.8
	kN	128.4 / 135.3	128.4 / 135.3	128.4 / 135.3	128.4 / 135.3	128.4 / 135.3
ARM (Normal/Press. Up)	t	8.6 / 9.0	9.3 / 9.8	10.8 / 11.4	10.0 / 10.6	9.3 / 9.8
	kN	84.3 / 88.2	91.2 / 96.1	105.9 / 111.8	98.1 / 103.9	91.2 / 96.1

Dimensions



* Dimensions one-piece and two-piece boom

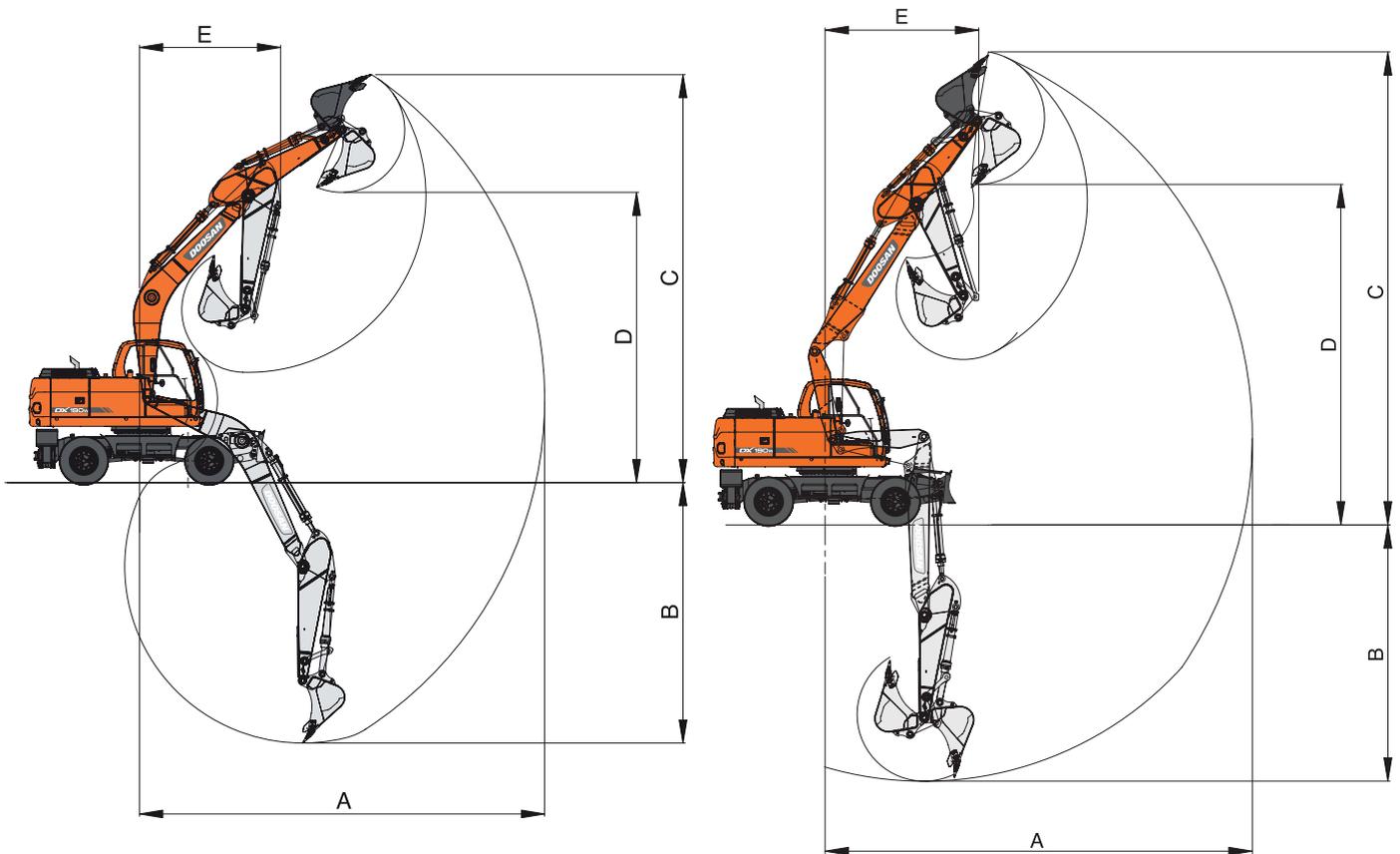
Boom length - mm		5200 (one-piece boom)			5440 (two-piece boom)	
Arm length - mm		2600	2200	3100	2300	2600
A	Shipping length - mm	8814	8897	8520	8940	8745
B	Shipping width - mm	2534	2534	2534	2534	2534
C	Shipping height (boom) - mm	3354	3330	3600	3130	3340
D	Height over cab - mm	3136	3136	3136	3136	3136
E	Counterweight swing clearance - mm	2503	2503	2503	2503	2503
F	Ground clearance - mm	350	350	350	350	350
G	Counterweight clearance - mm	1244	1244	1244	1244	1244
H	Engine cover height - mm	2530	2530	2530	2530	2530
I	Upper housing width - mm	2520	2520	2520	2520	2520
J	Wheel base - mm	2650	2650	2650	2650	2650
K	Tread width - mm	1914	1914	1914	1914	1914

* Component weights

Item		Remarks
Upperstructure without front - kg	8495	Including counterweight
Undercarriage - kg	6925	Including swing bearing
Front assembly - kg	2990	
Counterweight - kg	3600	
Boom 5200 mm - kg	1136	
Arm 2600 mm - kg	554	
Bucket - kg	601	0.80 m ³
Arm 2200 mm - kg	536	
Arm 3100 mm - kg	645	
Two-piece boom - upper 3.82 m / lower 1.94 m - kg	873 / 506	

Working range

DX190W-3



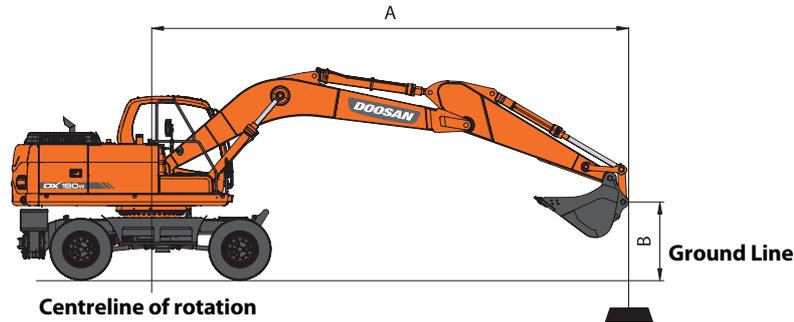
* Working range one-piece and two-piece boom

Boom length - mm	5200 (one-piece boom)			5440 (two-piece boom)	
Arm length - mm	2600	2200	3100	2300	2600
A Max. digging reach - mm	9255	8875	9610	9340	9645
B Max. digging depth - mm	5725	5320	6225	5610	5915
C Max. digging height - mm	9440	9195	9380	10270	10510
D Max. dump height - mm	6765	6520	6780	7460	7705
E Min. swing radius - mm	3170	3035	3180	3110	3265

* Weight

Boom (mm)	Arm (mm)	Bucket (m ³)	C/W (tonne)	Chassis - Front	Chassis - Rear	Weight total
1-piece boom (5200)	2600	0.8	3.6	Cradle	Dozer	18408
		0.8	3.6	Dozer	Stab	19695
		0.8	3.6	Stab	Dozer	19695
		0.8	3.6	Stab	Stab	19979
	2200	0.93	3.6	Cradle	Dozer	18386
		0.93	3.6	Dozer	Stab	19673
		0.93	3.6	Stab	Dozer	19673
		0.93	3.6	Stab	Stab	19957
	3100	0.57	3.6	Cradle	Dozer	18503
		0.57	3.6	Dozer	Stab	19790
		0.57	3.6	Stab	Dozer	19790
		0.57	3.6	Stab	Stab	20074
2-piece boom (1940 + 3820)	2600	0.76	3.6	Cradle	Dozer	18984
		0.76	3.6	Dozer	Stab	20305
		0.76	3.6	Stab	Dozer	20305
		0.76	3.6	Stab	Stab	20555
	2300	0.8	3.6	Cradle	Dozer	18885
		0.8	3.6	Dozer	Stab	20206
		0.8	3.6	Stab	Dozer	20206
		0.8	3.6	Stab	Stab	20456

Lifting capacities



Standard configuration – One-piece boom

Boom: 5200 mm • Arm: 2600 mm • W/O Bucket • Counterweight: 3600 kg

Units: 1000 kg

A (m) B (m)	Chassis Frame Attachment	1.5		3.0		4.5		6.0		7.5		Max. lift		A (m)
7.5	F-Dozer + R-Stabilizer Down											5.96 *	5.96 *	5.38
	4-Stabilizer Down											5.96 *	5.96 *	
6.0	F-Dozer + R-Stabilizer Down							5.59 *	5.24			5.69 *	4.4	6.64
	4-Stabilizer Down							5.59 *	5.59 *			5.69 *	5.22	
4.5	F-Dozer + R-Stabilizer Down					6.76 *	6.76 *	5.93 *	5.14			5.65 *	3.67	7.38
	4-Stabilizer Down					6.76 *	6.76 *	5.93 *	5.93 *			5.65 *	4.35	
3.0	F-Dozer + R-Stabilizer Down					8.45 *	7.69	6.63 *	4.95	5.78 *	3.52	5.70 *	3.34	7.76
	4-Stabilizer Down					8.45 *	8.45 *	6.63 *	5.92	5.78 *	4.19	5.70 *	3.97	
1.5	F-Dozer + R-Stabilizer Down					9.96 *	7.28	7.34 *	4.77	6.02 *	3.45	5.80 *	3.24	7.83
	4-Stabilizer Down					9.96 *	8.91	7.35 *	5.72	6.02 *	4.11	5.80 *	3.86	
0 (Ground)	F-Dozer + R-Stabilizer Down			7.03 *	7.03 *	10.59 *	7.06	7.73 *	4.64	6.03 *	3.4	5.92 *	3.34	7.60
	4-Stabilizer Down			7.03 *	7.03 *	10.59 *	8.68	7.73 *	5.59	6.03 *	4.06	5.92 *	3.99	
-1.5	F-Dozer + R-Stabilizer Down	7.45 *	7.45 *	11.92 *	11.92 *	10.25 *	7.01	7.52 *	4.6			6.02 *	3.72	7.03
	4-Stabilizer Down	7.45 *	7.45 *	11.92 *	11.92 *	10.25 *	8.63	7.52 *	5.55			6.02 *	4.45	
-3.0	F-Dozer + R-Stabilizer Down			12.35 *	12.35 *	8.82 *	7.11	6.05 *	4.7			5.95 *	4.66	6.04
	4-Stabilizer Down			12.35 *	12.35 *	8.82 *	8.73	6.06 *	5.65			5.95 *	5.6	

Option 1 – One-piece boom

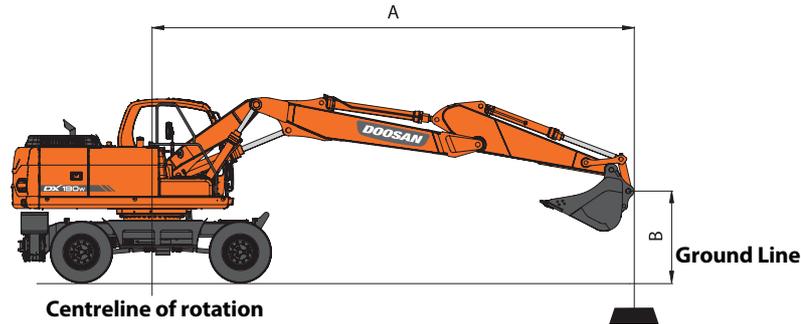
Boom: 5200 mm • Arm: 3100 mm • W/O Bucket • Counterweight: 3600 kg

Units: 1000 kg

A (m) B (m)	Chassis Frame Attachment	1.5		3.0		4.5		6.0		7.5		Max. lift		A (m)
7.5	F-Dozer + R-Stabilizer Down											5.27 *	5.27 *	5.89
	4-Stabilizer Down											5.27 *	5.27 *	
6.0	F-Dozer + R-Stabilizer Down							5.03 *	5.03 *			5.15 *	4.02	7.06
	4-Stabilizer Down							5.03 *	5.03 *			5.15 *	4.76	
4.5	F-Dozer + R-Stabilizer Down							5.45 *	5.19	5.18 *	3.61	5.18 *	3.4	7.76
	4-Stabilizer Down							5.45 *	5.45 *	5.18 *	4.28	5.18 *	4.04	
3.0	F-Dozer + R-Stabilizer Down			11.74 *	11.74 *	7.75 *	7.75 *	6.22 *	4.98	5.46 *	3.53	5.29 *	3.11	8.12
	4-Stabilizer Down			11.74 *	11.74 *	7.75 *	7.75 *	6.22 *	5.95	5.46 *	4.2	5.29 *	3.7	
1.5	F-Dozer + R-Stabilizer Down					9.45 *	7.33	7.03 *	4.77	5.82 *	3.43	5.43 *	3.01	8.18
	4-Stabilizer Down					9.45 *	8.97	7.03 *	5.73	5.82 *	4.1	5.43 *	3.59	
0 (Ground)	F-Dozer + R-Stabilizer Down			8.33 *	8.33 *	10.40 *	7.04	7.58 *	4.61	6.01 *	3.36	5.61 *	3.09	7.96
	4-Stabilizer Down			8.33 *	8.33 *	10.40 *	8.65	7.58 *	5.56	6.01 *	4.02	5.61 *	3.69	
-1.5	F-Dozer + R-Stabilizer Down	7.38 *	7.38 *	11.84 *	11.84 *	10.39 *	6.93	7.60 *	4.54			5.80 *	3.38	7.43
	4-Stabilizer Down	7.38 *	7.38 *	11.84 *	11.84 *	10.39 *	8.55	7.60 *	5.49			5.80 *	4.06	
-3.0	F-Dozer + R-Stabilizer Down	11.39 *	11.39 *	13.51 *	13.51 *	9.38 *	6.98	6.76 *	4.58			5.94 *	4.12	6.50
	4-Stabilizer Down	11.39 *	11.39 *	13.51 *	13.51 *	9.38 *	8.6	6.76 *	5.53			5.94 *	4.95	
-4.5	F-Dozer + R-Stabilizer Down			9.63 *	9.63 *	6.66 *	6.66 *					5.74 *	5.74 *	4.96
	4-Stabilizer Down			9.63 *	9.63 *	6.66 *	6.66 *					5.74 *	5.74 *	

- Lifting capacities are in compliance with ISO 10567:2007(E).
- The load point is at the end of the arm.
- * = The nominal loads are based on hydraulic capacity.
- The nominal loads shown do not exceed 75% of tipping loads or 87% of hydraulic lifting capacity.
- Weight of all lifting accessories must be deducted from or added to the above lifting capacities.
- The configurations indicated do not necessarily reflect the standard equipment of the machine.

: Rating over front
 : Rating over side or 360°
 (free on wheel / dozer and stabilizer on ground)



Option 2 – Two-piece boom

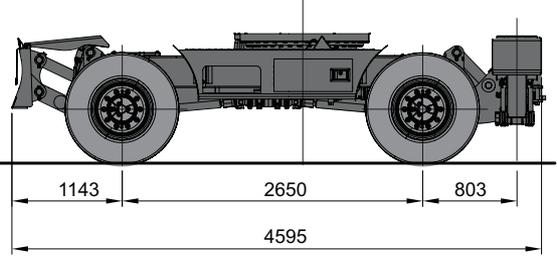
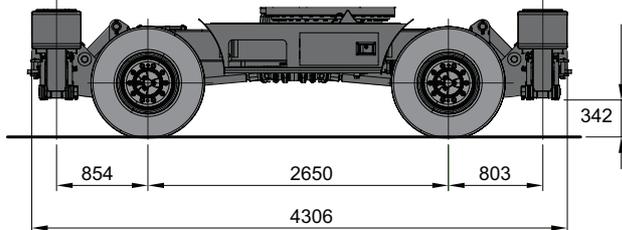
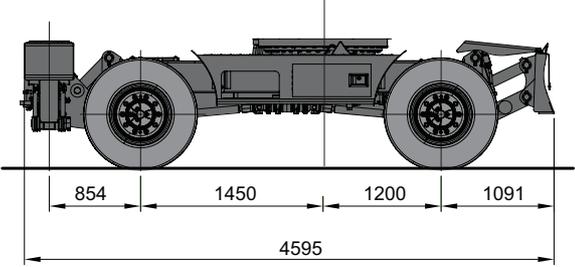
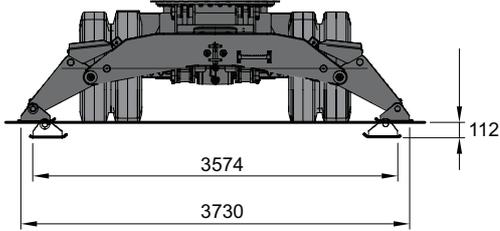
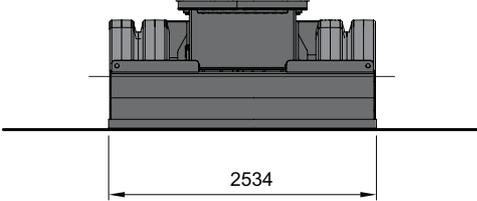
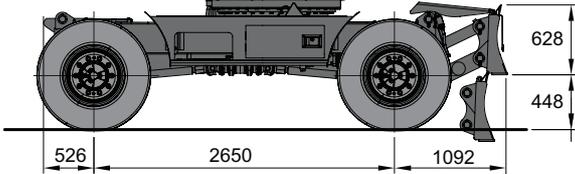
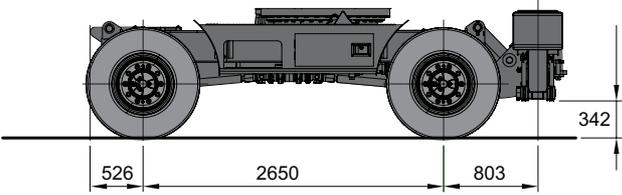
Boom: 5440 mm • Arm: 2600 mm • W/O Bucket • Counterweight: 3600 kg

Units: 1000 kg

A (m) B (m)	Chassis Frame Attachment	3.0		4.5		6.0		7.5		Max. lift		A (m)
		☺	☹	☺	☹	☺	☹	☺	☹	☺	☹	
9.0	R-Dozer Up									6.05 *	6.05 *	3.91
	R-Dozer Down									6.05 *	6.05 *	
	F-Dozer + R-Stabilizer Down									6.05 *	6.05 *	
	4-Stabilizer Down									6.05 *	6.05 *	
7.5	R-Dozer Up									5.2	3.19	5.94
	R-Dozer Down									5.22 *	3.52	
	F-Dozer + R-Stabilizer Down									5.22 *	5.22 *	
	4-Stabilizer Down									5.22 *	5.22 *	
6.0	R-Dozer Up					4.77 *	3.22			3.86	2.34	7.10
	R-Dozer Down					4.77 *	3.55			5.05 *	2.59	
	F-Dozer + R-Stabilizer Down					4.77 *	4.77 *			5.05 *	3.91	
	4-Stabilizer Down					4.77 *	4.77 *			5.05 *	4.65	
4.5	R-Dozer Up	7.81 *	7.81 *	5.95 *	4.85	5.07	3.1	3.52	2.11	3.28	1.95	7.80
	R-Dozer Down	7.81 *	7.81 *	5.95 *	5.36	5.20 *	3.42	4.97 *	2.35	4.82	2.17	
	F-Dozer + R-Stabilizer Down	7.81 *	7.81 *	5.95 *	5.95 *	5.20 *	5.12	4.97 *	3.56	5.06 *	3.32	
	4-Stabilizer Down	7.81 *	7.81 *	5.95 *	5.95 *	5.20 *	5.20 *	4.97 *	4.25	5.06 *	3.96	
3.0	R-Dozer Up			7.53	4.39	4.85	2.9	3.44	2.05	3	1.76	8.15
	R-Dozer Down			7.68 *	4.88	5.97 *	3.22	5.1	2.28	4.43	1.97	
	F-Dozer + R-Stabilizer Down			7.68 *	7.6	5.97 *	4.9	5.23 *	3.49	5.16 *	3.04	
	4-Stabilizer Down			7.68 *	7.68 *	5.97 *	5.89	5.23 *	4.17	5.16 *	3.64	
1.5	R-Dozer Up			7.07	3.99	4.64	2.71	3.35	1.96	2.92	1.7	8.22
	R-Dozer Down			9.30 *	4.47	6.78 *	3.02	4.99	2.19	4.33	1.9	
	F-Dozer + R-Stabilizer Down			9.30 *	7.14	6.78 *	4.69	5.61 *	3.39	5.31 *	2.96	
	4-Stabilizer Down			9.30 *	8.8	6.78 *	5.66	5.61 *	4.07	5.31 *	3.55	
0 (Ground)	R-Dozer Up			6.85	3.8	4.5	2.58	3.29	1.9	3.02	1.75	8.00
	R-Dozer Down			10.17 *	4.28	6.95	2.89	4.93	2.13	4.49	1.96	
	F-Dozer + R-Stabilizer Down			10.17 *	6.92	7.36 *	4.55	5.89 *	3.33	5.50 *	3.06	
	4-Stabilizer Down			10.17 *	8.56	7.36 *	5.52	5.89 *	4.01	5.50 *	3.67	
-1.5	R-Dozer Up	9.23 *	6.94	6.82	3.77	4.46	2.55			3.34	1.94	7.47
	R-Dozer Down	9.23 *	7.94	10.25 *	4.25	6.91	2.86			4.99	2.17	
	F-Dozer + R-Stabilizer Down	9.23 *	9.23 *	10.25 *	6.89	7.51 *	4.52			5.68 *	3.38	
	4-Stabilizer Down	9.23 *	9.23 *	10.25 *	8.53	7.51 *	5.48			5.68 *	4.06	
-3.0	R-Dozer Up			6.93	3.87					4.7	2.71	5.86
	R-Dozer Down			9.47 *	4.35					7.08 *	3.03	
	F-Dozer + R-Stabilizer Down			9.47 *	7					7.08 *	4.76	
	4-Stabilizer Down			9.47 *	8.65					7.08 *	5.77	



Undercarriage



* Standard equipment

Engine
DOOSAN DL06KB turbocharged, Common Rail direct injection, EU Stage IIIB compliant Diesel engine combined with e-EPOS System
Automatic engine warm-up system
Fuel pre-filter with water separator sensor
Diesel particulate filter (DPF)
Fuel and Engine speed (RPM) control dial
Auto-idle
Hydraulic system
Boom and arm flow regeneration
Swing anti-rebound valves
Spare ports (valve)
Breaker piping
Cylinder cushioning & anti-contamination seals
Control of auxiliary hydraulic flow and pressure from the display panel
Cab & Interior
Roll Over Protective Structure (ROPS)
Pressurised, sound-insulated and CabSus mounted cab
Heated, adjustable air suspension seat with adjustable headrest and armrest
Jog shuttle switch
Air conditioning with climate control
3 speed (high, low, creep) with cruise control
One-touch power boost
Attachment management system
Pull-up type front window with sun roller blind and removable lower front window
Ceiling light
Intermittent upper windshield wiper
Multiple storage compartments (e.g. document holder under seat) and coat hook
Rain visor
Flat, spacious, easy-to-clean floor
Cigarette lighter and ashtray
Cup holder and magazine rack
Anti-theft protection (control panel password)
Hot and cool box
7" (18 cm) LCD colour monitor panel with digital speed display
Automatic rear window defroster
4 operating modes & 4 working modes
Adjustable tilt steering column
Radio-ready and remote radio On/Off switch
12 V spare power socket
Serial communication port for laptop PC interface
Adjustable PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments, FNR switch and auxiliary hydraulic buttons
USB port
DPF regeneration switch
Sliding left front and rear windows with lock
Travel pedals
Master key
Safety
Boom, arm, dozer blade and stabilizer cylinder safety valves
Overload warning device
Large handrails and step
Rotating beacon
Rear view camera
Punched metal anti-slip plates
Hydraulic safety lock lever
Safety glass
Hammer for emergency escape
Right and left rearview mirrors
Emergency engine stop and hydraulic pump control switches
Auxiliary travel selector switch
Reinforced cast steel pivot points
Mirror on counterweight
Halogen work lights (2 front frame, 4 front cab-mounted, 2 rear cab-mounted, 2 boom-mounted and 1 rear side)
Street lights with LED stop lamps + LED blinker with side reflex reflectors
Reverse travel alarm (with On/Off switch)
Parking brake and cab swing lock pin
Engine overheat and restart prevention system
Other
One-piece boom 5200 mm – arm: 2600 mm
Counterweight 3600 kg
Powershift transmission
Auto shut-off fuel filler pump
Double element air cleaner
Dust screen for radiator/oil cooler
Separated engine hoods with gas spring. DPF hood screwed & protected
Upperstructure maintenance compartment doors and fuel cap lockable
Self-diagnostic function
Battery (12 V x 2, 150 Ah) with cut-off switch and alternator (24 V, 80 A)
Electric horn
Toolkit and spare parts for first service
Remote greasing for swing circle and workgroup pivot points
Guards for boom lights
Undercarriage
Front parallel dozer blade and rear independent stabilizers
Double tyres 10-20 14 PR
3 front axle oscillation lock modes (On/Off/Auto)
Piston rod protection of stabilizer cylinders
Lockable tool box (left side)
Rear & front chain tightening eyes

* Optional equipment

Cab & Interior
MP3/USB radio or MP3/USB radio with CD player
Safety
FOGS cab - top and front cab guards (ISO 10262)
Side view camera
2 Lateral safety bars (ISO 2867:2011)
Alarm for travel & swing
Alarm for travel
Microphone
Other
Hydraulic piping for crusher, quick coupler, clamshell, tilting and rotating buckets
Additional filter for breaker piping
One-piece boom arms: 2200 mm or 3100 mm
Two-piece boom arms: 2300 mm or 2600 mm
Doosan buckets: full range of GP, HD & Rock buckets
Doosan breakers and Doosan quick-couplers
Upper guard for front window
Lower guard for front window
Floating boom function
Wiper for lower front window
Double pump flow
Telescopic rotating beacon
Bio oil
Automatic lubrication system
Homologation preparation (depending on countries)
Undercarriage
Lockable tool box (right side)
Front cradle
2 or 4 independent stabilizers with cylinder protection
Rear parallel dozer blade



Microphone
For extra safety on crowded worksites.



2 additional lateral safety bars
With raised height for increased safety.



Tool box
Lockable tool box on the right hand side.



Doosan buckets
A range of dependable Doosan buckets is available to cover several applications.



Doosan breakers and quick-couplers
Doosan provides the tough, reliable equipment you need for demolition work.

Some of these options may be standard in some markets. Some of these options may not be available for certain markets. Please check with your local DOOSAN dealer for more information about availability or to adapt your machine to your application needs.



Doosan Infracore Construction Equipment



**Finance
your
ambitions**



www.doosanequipment.eu



**100%
GENUINE
PARTS**
Totally Doosan

Doosan Infracore Financial Services (DI FS) is specialised in creating financing solutions to meet a wide variety of needs. Contact your local dealer for more information.

Our well-developed dealer network has the knowledge and experience to take the best care of our Doosan customers. No matter where you are, you'll get the service you expect - and can rely on!

- Complete parts & service support for all Doosan products
- Highest quality genuine parts
- Large, dedicated staff of factory-trained aftermarket professionals in the field



DOOSAN

www.doosanequipment.eu