

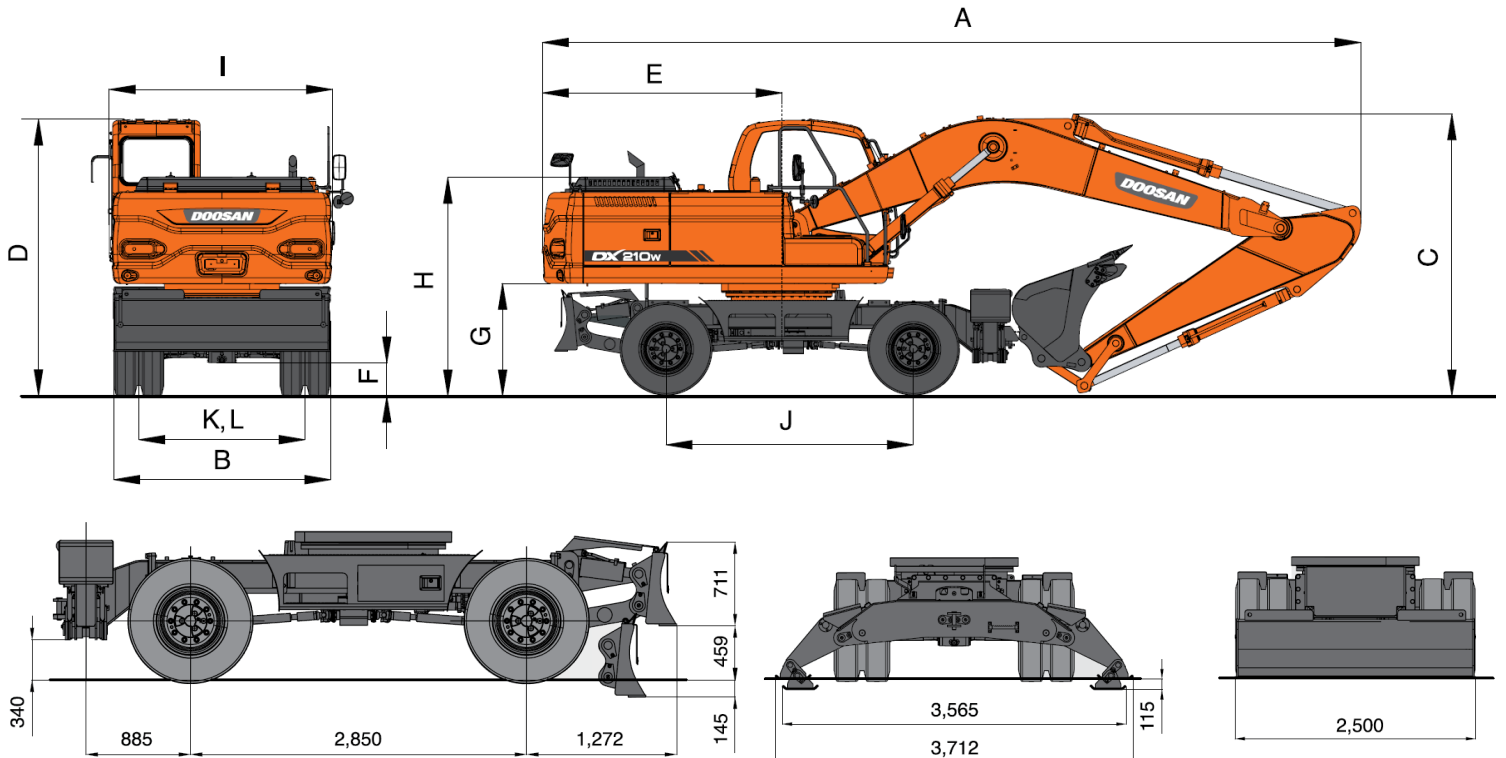
Doosan DX210W Wheeled Excavator (with Movax SG/SP-50)

| Excavator | Doosan DX210W |
|---|-------------------|
| Engine Type | Doosan DL06 |
| Rated Power | 127 kW @ 2000 rpm |
| Maximum Torque | 736 Nm @ 1400 rpm |
| Monoboom Length | 5.60 m |
| Arm Length | 2.75 m |
| Transport weight ^a | 20.8 tonnes |
| Operating Weight (approx.) ^b | 21 - 24 tonnes |

^a Transport weight = excavator + counterweight & boom (excludes attachment)

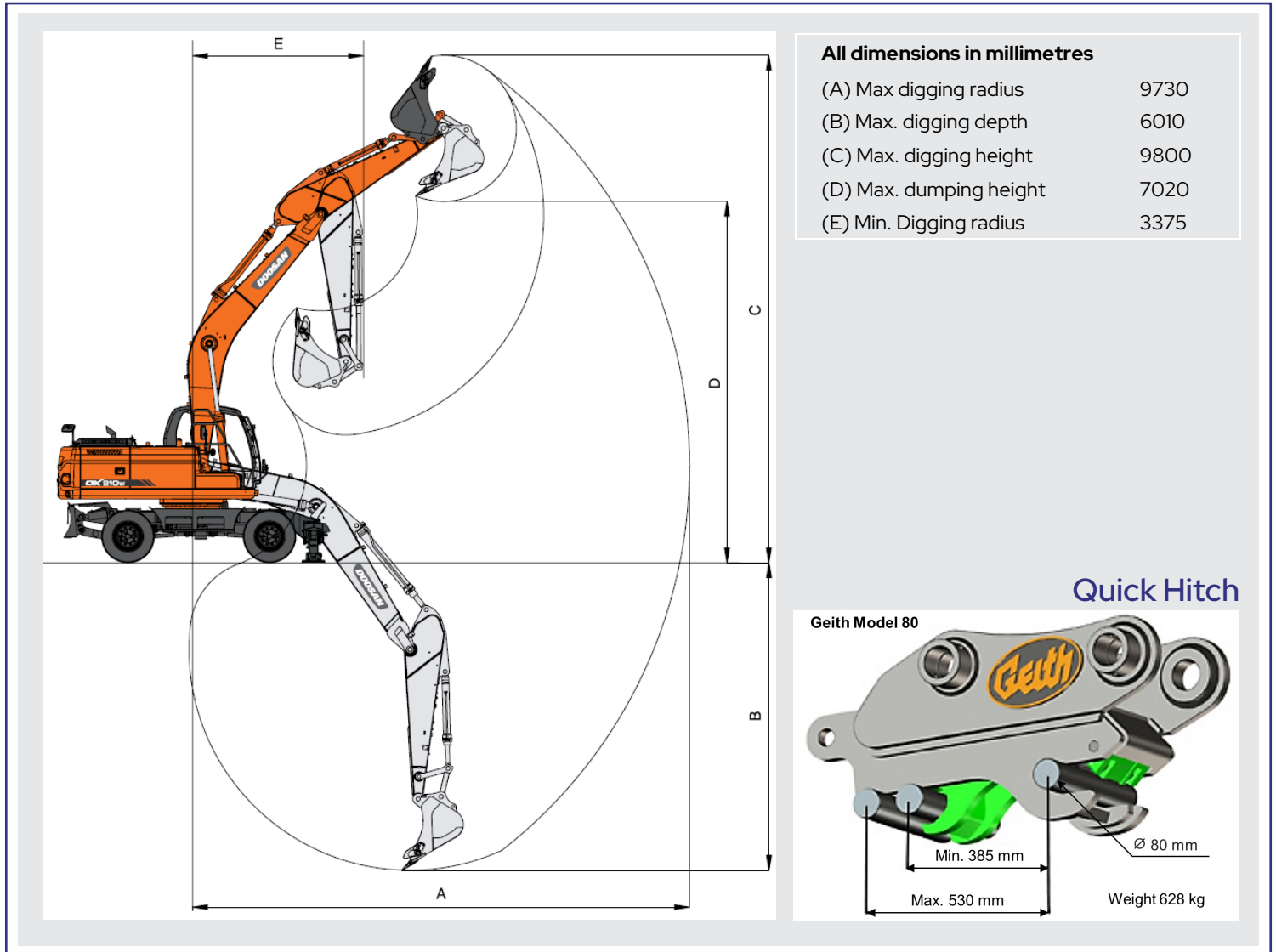
^b Operating weight = excavator + counterweight & boom + attachment

| Dimensions | (mm) |
|------------------------------------|---------|
| (A) Shipping length | 9420 mm |
| (B) Shipping width | 2500 mm |
| (C) Shipping height (boom) | 3200 mm |
| (D) Height over cabin | 3140 mm |
| (E) Counter weight swing clearance | 2750 mm |
| (F) Ground clearance | 350 mm |
| (G) Counter weight clearance | 1259 mm |
| (H) Engine cover height | 2485 mm |
| (I) Upper housing width | 2530 mm |
| (J) Wheel base | 2850 mm |
| (K, L) Tread width | 1914 mm |



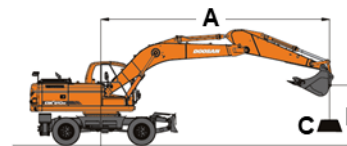
Doosan DX210W Wheeled Excavator

Working Ranges



Lifting Capacities

- Notes: 1. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
2. The load point is the centreline of the bucket pivot mounting pin on the arm.
3. * Denotes load limited by hydraulic capacity rather than tipping load.
4. 0 m = Ground level.



A: Load radius
B: Load point height
C: Lifting capacity

For lifting capacities, subtract quick-hitch, Movax attachment and any accessory weight from lifting capacities.



Rating over front



Rating side or 360 degrees

Unit: kg

| Conditions | Load point height (m) | Load radius | | | | | | | | | | | | Max. lift | | | | |
|--------------------------|-----------------------|-------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|-------|-------|-------|------|
| | | 2.0m | | 3.0m | | 4.0m | | 5.0m | | 6.0m | | 7.0m | | 8.0m | | metre | | |
| | | | | | | | | | | | | | | | | | | |
| Boom 5.6 m Arm 2.75 m | 8.0 | | | | | | | | | | | | | | | *5680 | *5680 | 5.24 |
| | 7.0 | | | | | | | | | *5450 | *5450 | | | | | *5440 | *5440 | 6.24 |
| | 6.0 | | | | | | | | | *5480 | *5480 | | | | | *5390 | 5320 | 6.95 |
| | 5.0 | | | | | | | *6220 | *6220 | *5760 | *5760 | *5470 | 5250 | | | *5400 | 4740 | 7.46 |
| | 4.0 | | | *11020 | *11020 | *8340 | *8340 | *7000 | *7000 | *6200 | *6200 | *5690 | 5190 | | | *5430 | 4390 | 7.81 |
| | 3.0 | | | *3940 | *3940 | *9910 | *9910 | *7860 | *7860 | *6710 | 6460 | *5980 | 5130 | *5490 | 4200 | *5490 | 4190 | 8.01 |
| | 2.0 | | | | | *11200 | *11200 | *8650 | 8380 | *7190 | 6350 | *6260 | 5060 | *5610 | 4160 | *5570 | 4100 | 8.08 |
| | 1.0 | | | *1920 | *1920 | *11390 | *11390 | *9190 | 8240 | *7550 | 6250 | *6470 | 5000 | *5680 | 4130 | *5660 | 4110 | 8.03 |
| | 0 | | | *4710 | *4710 | *11930 | *11790 | *9400 | 8150 | *7730 | 6190 | *6550 | 4960 | | | *5750 | 4230 | 7.84 |
| | -1.0 | *4770 | *4770 | *7770 | *7770 | *11580 | *11580 | *9290 | 8110 | *7660 | 6160 | *6430 | 4940 | | | *5850 | 4470 | 7.52 |
| | -2.0 | *8130 | *8130 | *11420 | *11420 | *10850 | *10850 | *8830 | 8120 | *7290 | 6160 | *5970 | 4950 | | | *5910 | 4920 | 7.04 |
| -3.0 | *11850 | *11850 | *11860 | *11860 | *9690 | *9690 | *7950 | 7950 | *6460 | 6200 | | | | | *5910 | 5710 | 6.36 | |
| -4.0 | | | *9520 | *9520 | *7900 | *7900 | *6380 | 6380 | | | | | | | *5710 | *5710 | 5.41 | |

Doosan DX210W Wheeled Excavator

Attachments

Movax SG-50

| | |
|----------------------------------|-----------------|
| Weight (excl. adapter) | 2723 - 2558 kg |
| Width | 1193 mm |
| Height | 2478 mm |
| Depth | 1180 - 1436 mm |
| Centrifugal force. Max. | 500 kN |
| Eccentric moment | 5.1 kgm |
| Engine power Min. | 125 kW |
| Frequency | 2300 - 3000 rpm |
| Pressure Setting | 350 Bar |
| Return pressure. Max | 5 Bar |
| Swing angle | +/- 360° |
| Tilt angle | +/- 30° |
| Clearance to centre line of pile | 800 mm |

Suitable Pile Types & Dimensions

| | |
|---------------------|----------------|
| Sheet pile (width) | 400 - 1200 mm |
| Sheet pile (depth) | 265 mm |
| H-beam minimum size | H180 - H500 |
| Timber pile | Ø 160 - 420 mm |
| Tubular pile, tubes | Up to 762 mm |



| | |
|-----------------|----------------|
| Length & Weight | 8 m / 2300 kg |
| | 12 m / 1600 kg |
| | 16 m / 1200 kg |



Movax SP-50

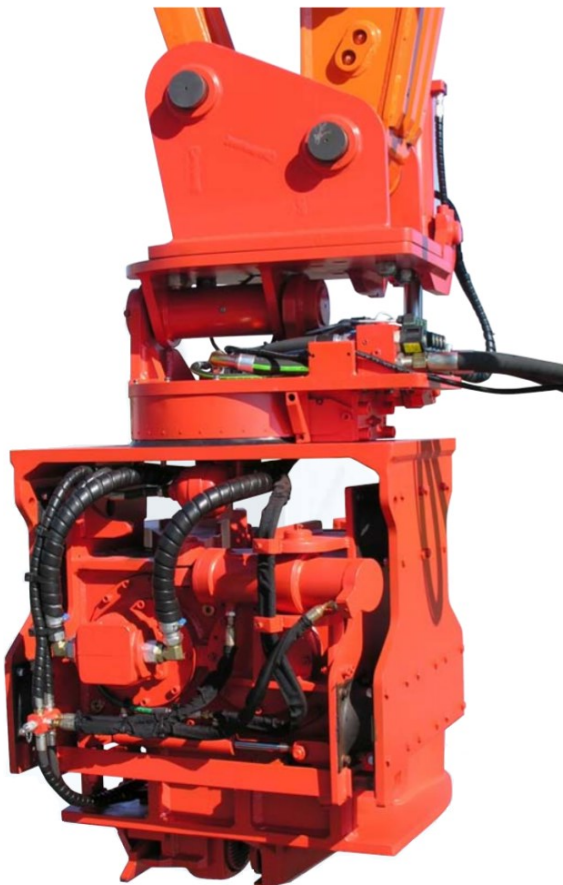
| | |
|----------------------------------|----------|
| Weight (excl. adapter) | 1850 kg |
| Width | 972 mm |
| Height | 2071 mm |
| Depth | 1224 mm |
| Centrifugal force. Max. | 500 kN |
| Frequency | 3000 rpm |
| Pressure Setting | 320 Bar |
| Return pressure. Max | 5 Bar |
| Swing angle | +/- 360° |
| Tilt angle | +/- 30° |
| Clearance to centre line of pile | 800 mm |

Suitable Pile Types & Dimensions

| | |
|---|-------------------|
| Sheet pile (width) | 600 - 1200 mm |
| Sheet pile (depth) | 210 mm |
| H-beam minimum size | H240 |
| Tubular piles (sizes) | Ø220, Ø200, Ø190, |
| [tubular pile clamps fitted to sheet piler's clamps required] | Ø170, Ø140, Ø115, |



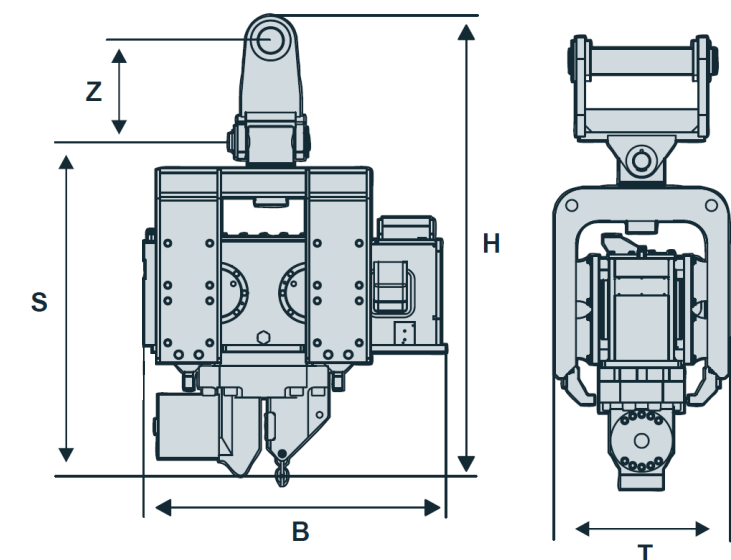
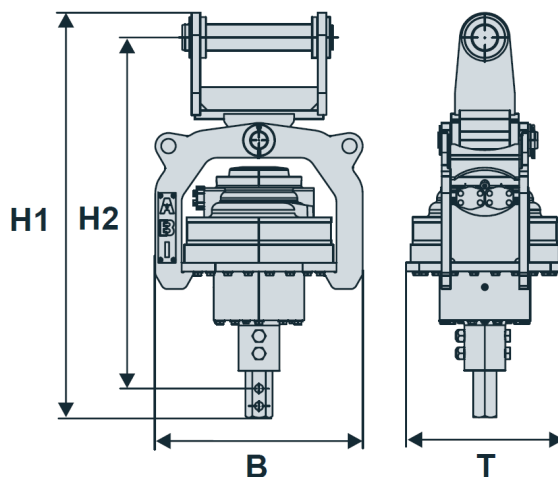
| | |
|-------------------------|----------------|
| Length & Weight of pile | < 8 m / 800 kg |
| | > 8m / 1200 kg |



Doosan DX210W Wheeled Excavator

Accessories

| ABI Dangle Drill | BA2200 |
|---|--------------------------|
| Height (H1) | 1390 mm |
| Height (H2) | 1205 mm |
| Width (B) | 710 mm |
| Depth (T) | 540 mm |
| Transport Weight | 700 kg |
| Torque | 2200 daNm |
| Revolutions (max.) | 50 per min ⁻¹ |
| Static extraction force (max.) | 200 kN |
| Hydraulic flow rate | 220 l/min |
| Hydraulic power at auger drive (max.) | 60 kW |
| Nominal oil pressure | 32 MPa |
| Hexagon connection (SW - Z socket/male) | 80 mm |



| ABI Vibrator | HVR45 |
|--|----------------------------|
| Height (H) | 1600 mm |
| Width (B) | 1065 mm |
| Depth (T) | 615 mm |
| S | 1160 mm |
| Z | 352 mm |
| Static moment | 4.5 kgm |
| Dynamic mass | 815 kg |
| Nominal revolutions | 2460 per min ⁻¹ |
| Centrifugal force at nominal frequency | 300 kN |
| Static extraction force (max.) | 40 kN |
| Nominal oil pressure | 32 MPa |
| Hydraulic flow rate | 130 l/min |
| Hydraulic power at pmax ^a | 70 kW |
| Total weight | 1160 kg |
| Transport weight | 1240 kg |

^apmax = actual pump pressure at maximum power point

| BSP Air Hammer | 600N | 700N |
|---|--------------------------|------------------------|
| Weight of ram | 227 kg | 385 kg |
| Stroke of ram | 305 mm | 330 mm |
| Energy per blow (max.) | 415 kg/m | 281 kg/m |
| Blows per minute (max.) | 250 | 225 |
| Recommended compressor | 10.3 m ³ /min | 17 m ³ /min |
| Weight of basic hammer with legs | 2177 kg | 3006 kg |
| (A) Overall height (Z section pairs, U section singles) | 2273 mm | 2419 mm |
| (A) Overall height (Z section singles, U section pairs) | 2184 mm | 2261 mm |
| (B) Depth of cylinder | 508 mm | 610 mm |
| (C) Anvil to base guide leg | 900 mm | 900 mm |

