

# SPECIFICATIONS

\*with rubber shoe, JPN bucket and 2100 mm arm

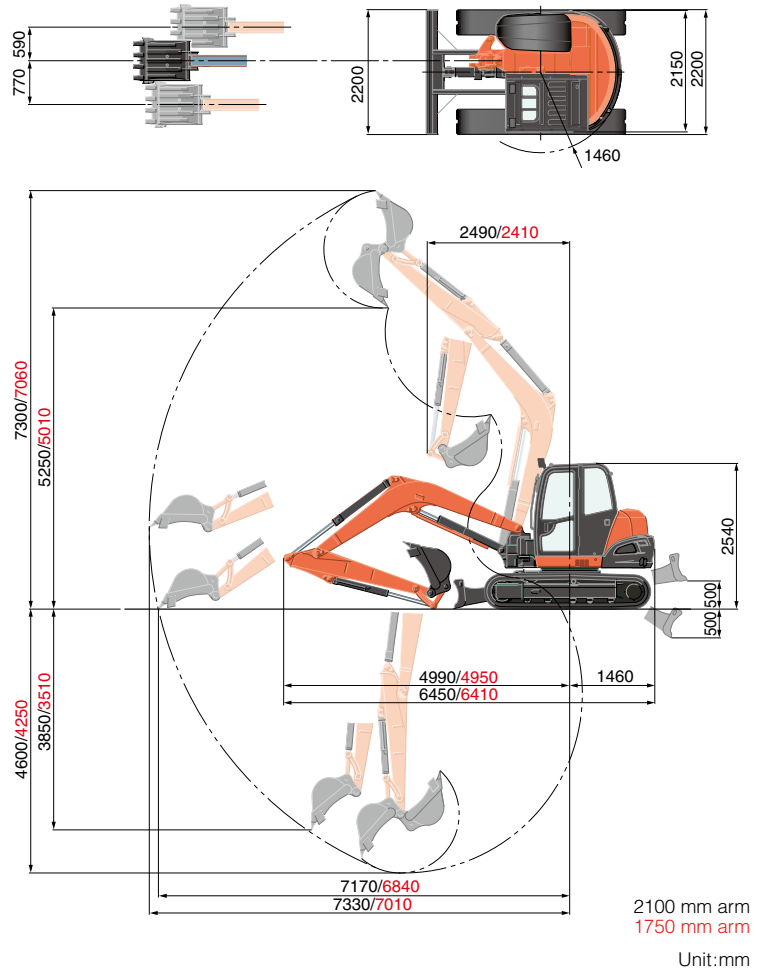
Machine weight*1	kg	8350		
Operating weight*2	kg	8425		
Bucket capacity, std. SAE/CECE	m <sup>3</sup>	0.25/0.21		
Bucket width	With side teeth	mm	800	
	Without side teeth	mm	700	
Engine	Model	V3307-CR-TE5-BH-1		
	Type	Water-cooled, diesel engine E-CDIS (with CRS and DPF)		
	Output ISO9249 NET	PS/rpm	63.2/2000	
		kW/rpm	46.5/2000	
	Number of cylinders	4		
Bore × Stroke	mm	94 × 120		
Displacement	cc	3331		
Swivelling speed	rpm	9.8		
Rubber shoe width	mm	450		
Tumbler distance	mm	2300		
Dozer size (width × height)	mm	2200 × 500		
Hydraulic pumps	P1,P2	Variable displacement pump		
	Flow rate	ℓ /min	84.6 × 2	
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	27.4 (280)	
Max. digging force	Arm	kN (kgf)	38.1 (3880)	
	Bucket	kN (kgf)	65.2 (6650)	
Boom swing angle (left/right)	deg	67/60		
Minimum front swivel radius with boom swing (left/right)		2050/2380		
Auxiliary circuit (AUX1)	Max. Flow rate	ℓ /min	100	
	Max. Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	
Auxiliary circuit (AUX2)	Max. Flow rate	ℓ /min	55.8	
	Max. Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	
Hydraulic reservoir	ℓ	75		
Fuel tank capacity	ℓ	115		
Max. travelling speed	Low	km/h	2.7	
	High	km/h	4.8	
Ground contact pressure	kPa (kgf/cm <sup>2</sup> )	36.6 (0.373)		
Ground clearance	mm	356		
Noise level	LpA / LwA (2000/14/EC)	dB (A)	75 / 96	
Vibration <sup>3</sup>	Hand arm system (ISO 5349-2:2001)	Digging / Levelling	m/s <sup>2</sup> RMS	<2.5 / <2.5
		Driving / Idling	m/s <sup>2</sup> RMS	4.40 / <2.5
	Whole body (ISO 2631-1:1997)	Digging / Levelling	m/s <sup>2</sup> RMS	<0.5 / <0.5
		Driving / Idling	m/s <sup>2</sup> RMS	0.879 / <0.5

\*1 With 176.6 kg standard bucket and fully served

\*2 With 75 kg operator, 176.6 kg standard bucket and fully served

\*3 These values are measured under specific conditions at maximum engine speed and can deviate, depending on the operating status.

# WORKING RANGE

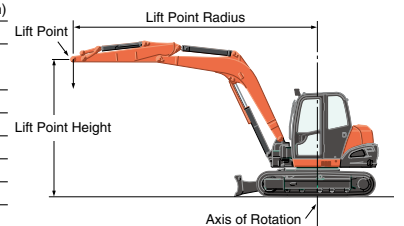


# LIFTING CAPACITY

Lift Point Height	kN (ton)											
	Lifting point radius (Min)			Lifting point radius (4m)			Lifting point radius (5m)			Lifting point radius (Max)		
	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side
Blade Down	Blade Up	Blade Down		Blade Up	Blade Down		Blade Up	Blade Down		Blade Up	Blade Down	
5m	1750 Arm			16.7 (1.70)	16.7 (1.70)	16.2 (1.65)						
	2100 Arm			14.2 (1.45)	14.2 (1.45)	14.2 (1.45)						
3m	1750 Arm			20.1 (2.05)	20.1 (2.05)	15.2 (1.55)	17.2 (1.75)	13.7 (1.40)	10.8 (1.10)			
	2100 Arm			18.1 (1.85)	18.1 (1.85)	15.7 (1.60)	16.2 (1.65)	14.2 (1.45)	10.8 (1.10)			
1.5m	1750 Arm			26.0 (2.65)	18.6 (1.90)	13.7 (1.40)	20.1 (2.05)	18.6 (1.90)	13.7 (1.40)	17.0 (1.74)	10.7 (1.09)	8.2 (0.84)
	2100 Arm			24.5 (2.50)	18.6 (1.90)	14.2 (1.45)	19.1 (1.95)	13.2 (1.35)	10.3 (1.05)	15.8 (1.61)	9.3 (0.95)	7.5 (0.76)
1m	1750 Arm			27.4 (2.80)	18.1 (1.85)	13.7 (1.40)	20.6 (2.10)	12.7 (1.30)	9.8 (1.00)			
	2100 Arm			26.0 (2.65)	18.1 (1.85)	13.7 (1.40)	20.1 (2.05)	13.2 (1.35)	9.8 (1.00)			
0m	1750 Arm			28.4 (2.90)	17.6 (1.80)	13.2 (1.35)	21.1 (2.15)	12.7 (1.30)	9.3 (0.95)			
	2100 Arm			27.9 (2.85)	17.6 (1.80)	13.2 (1.35)	21.1 (2.15)	12.7 (1.30)	9.3 (0.95)			
-1m	1750 Arm	37.2 (3.80)	37.2 (3.80)	37.2 (3.80)	27.0 (2.75)	17.2 (1.75)	12.7 (1.30)	20.1 (2.05)	12.7 (1.30)	9.3 (0.95)		
	2100 Arm	28.4 (2.90)	28.4 (2.90)	28.4 (2.90)	27.4 (2.80)	17.2 (1.75)	12.7 (1.30)	20.6 (2.10)	12.3 (1.25)	9.3 (0.95)		
-3m	1750 Arm											
	2100 Arm				15.7 (1.60)	15.7 (1.60)	13.2 (1.35)					

\*Light weight version

Lift Point Height	kN (ton)											
	Lifting point radius (Min)			Lifting point radius (4m)			Lifting point radius (5m)			Lifting point radius (Max)		
	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side
Blade Down	Blade Up	Blade Down		Blade Up	Blade Down		Blade Up	Blade Down		Blade Up	Blade Down	
5m	1750 Arm			16.7 (1.70)	16.7 (1.70)	14.7 (1.50)						
	2100 Arm			14.2 (1.45)	14.2 (1.45)	14.2 (1.45)						
3m	1750 Arm			20.1 (2.05)	18.1 (1.85)	13.7 (1.40)	17.2 (1.75)	12.7 (1.30)	9.8 (1.00)			
	2100 Arm			18.1 (1.85)	18.1 (1.85)	14.2 (1.45)	16.2 (1.65)	12.7 (1.30)	9.8 (1.00)			
1.5m	1750 Arm			26.0 (2.65)	16.7 (1.70)	12.7 (1.30)	20.1 (2.05)	11.8 (1.20)	8.8 (0.90)	17.1 (1.74)	9.8 (1.00)	7.4 (0.75)
	2100 Arm			24.5 (2.50)	17.2 (1.75)	12.7 (1.30)	19.1 (1.95)	12.3 (1.25)	9.3 (0.95)	15.8 (1.61)	8.4 (0.86)	6.5 (0.67)
1m	1750 Arm			27.4 (2.80)	16.2 (1.65)	12.3 (1.25)	20.6 (2.10)	11.8 (1.20)	8.8 (0.90)			
	2100 Arm			26.0 (2.65)	16.7 (1.70)	12.3 (1.25)	20.1 (2.05)	11.8 (1.20)	8.8 (0.90)			
0m	1750 Arm			28.4 (2.90)	15.7 (1.60)	11.8 (1.20)	21.1 (2.15)	11.3 (1.15)	8.3 (0.85)			
	2100 Arm			27.9 (2.85)	15.7 (1.60)	11.8 (1.20)	21.1 (2.15)	11.3 (1.15)	8.3 (0.85)			
-1m	1750 Arm	37.2 (3.80)	37.2 (3.80)	35.8 (3.65)	27.0 (2.75)	15.7 (1.60)	11.3 (1.15)	20.1 (2.05)	11.3 (1.15)	8.3 (0.85)		
	2100 Arm	28.4 (2.90)	28.4 (2.90)	28.4 (2.90)	27.4 (2.80)	15.7 (1.60)	11.3 (1.15)	20.6 (2.10)	11.3 (1.15)	8.3 (0.85)		
-3m	1750 Arm											
	2100 Arm				15.7 (1.60)	15.7 (1.60)	11.8 (1.20)					



\* Working ranges are with Kubota standard bucket, without quick coupler.  
\* Specifications are subject to change without notice for purpose of improvement.

Please note:  
\* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.  
\* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

# 2-PIECE BOOM VERSION

## SPECIFICATIONS

\*with rubber shoe, JPN bucket and 2100 mm arm

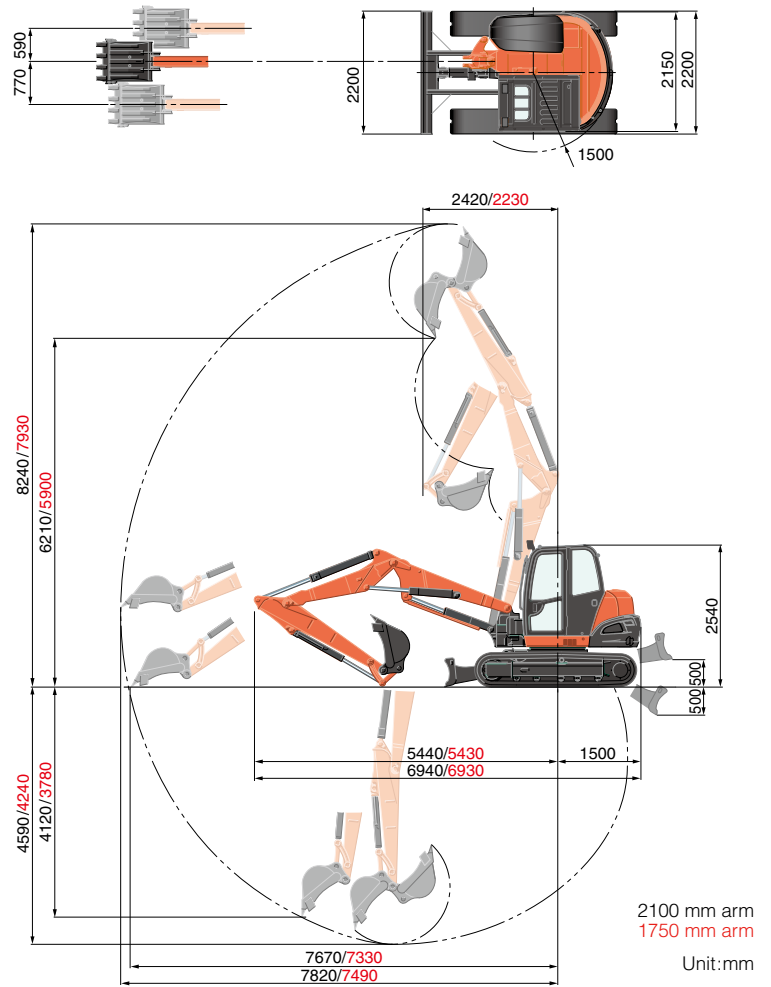
Machine weight <sup>*1</sup>	kg	8990		
Operating weight <sup>*2</sup>	kg	9065		
Bucket capacity, std. SAE/CECE	m <sup>3</sup>	0.25/0.21		
Bucket width	With side teeth	mm	800	
	Without side teeth	mm	700	
Engine	Model	V3307-CR-TE5-BH-1		
	Type	Water-cooled, diesel engine E-CDIS (with CRS and DPF)		
	Output ISO9249 NET	PS/rpm	63.2/2000	
		kW/rpm	46.5/2000	
	Number of cylinders	4		
	Bore × Stroke	mm	94 × 120	
Displacement	cc	3331		
Swivelling speed	rpm	9.8		
Rubber shoe width	mm	450		
Tumbler distance	mm	2300		
Dozer size (width × height)	mm	2200 × 500		
Hydraulic pumps	P1, P2	Variable displacement pump		
	Flow rate	ℓ /min	84.6 × 2	
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	27.4 (280)	
Max. digging force	Arm	kN (kgf)	38.1 (3880)	
	Bucket	kN (kgf)	65.2 (6650)	
Boom swing angle (left/right)	deg	67/60		
Minimum front swivel radius with boom swing (left/right)	1990/2310			
Auxiliary circuit (AUX1)	Max. flow rate	ℓ /min	100	
	Max. hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	
Auxiliary circuit (AUX2)	Max. flow rate	ℓ /min	55.8	
	Max. hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	
Hydraulic reservoir	ℓ	75		
Fuel tank capacity	ℓ	115		
Max. travelling speed	Low	km/h	2.7	
	High	km/h	4.8	
Ground contact pressure	kPa (kgf/cm <sup>2</sup> )	39.4 (0.402)		
Ground clearance	mm	356		
Noise level	LpA / LwA (2000/14/EC)	dB (A)	75 / 96	
Vibration <sup>*3</sup>	Hand arm system (ISO 5349-2:2001)	Digging / Levelling	m/s <sup>2</sup> RMS	<2.5 / <2.5
		Driving / Idling	m/s <sup>2</sup> RMS	4.40 / <2.5
	Whole body (ISO 2631-1:1997)	Digging / Levelling	m/s <sup>2</sup> RMS	<0.5 / <0.5
		Driving / Idling	m/s <sup>2</sup> RMS	0.879 / <0.5

\*<sup>1</sup> With 176.6 kg standard bucket and fully served

\*<sup>2</sup> With 75 kg operator, 176.6 kg standard bucket and fully served

\*<sup>3</sup> These values are measured under specific conditions at maximum engine speed and can deviate, depending on the operating status.

## WORKING RANGE



## LIFTING CAPACITY

Lift Point Height	Lifting point radius (Min)	Lifting point radius (4m)											Lifting point radius (5m)			Lifting point radius (Max)			kN (ton)
		Over-front		Over-side	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side			
		Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up	
5m	1750 Arm	23.0 (2.35)	23.0 (2.35)	23.0 (2.35)	19.6 (2.00)	19.6 (2.00)	17.2 (1.75)	17.6 (1.80)	15.2 (1.55)	11.8 (1.20)									
	2100 Arm				18.1 (1.85)	18.1 (1.85)	17.6 (1.80)	16.7 (1.70)	15.7 (1.60)	12.3 (1.25)									
3m	1750 Arm				23.5 (2.40)	21.1 (2.15)	15.7 (1.60)	18.6 (1.90)	14.7 (1.50)	11.3 (1.15)									
	2100 Arm				22.1 (2.25)	21.6 (2.20)	16.2 (1.65)	18.1 (1.85)	14.7 (1.50)	11.3 (1.15)									
1.5m	1750 Arm				27.4 (2.80)	19.1 (1.95)	14.2 (1.45)	20.1 (2.05)	13.7 (1.40)	10.3 (1.05)	14.7 (1.50)	9.6 (0.98)	7.3 (0.74)						
	2100 Arm				26.5 (2.70)	19.1 (1.95)	14.2 (1.45)	20.1 (2.05)	13.7 (1.40)	10.3 (1.05)	13.8 (1.41)	9.5 (0.97)	6.9 (0.71)						
1m	1750 Arm				27.4 (2.80)	18.6 (1.90)	13.7 (1.40)	20.6 (2.10)	13.7 (1.40)	10.3 (1.05)									
	2100 Arm				27.0 (2.75)	18.6 (1.90)	13.7 (1.40)	20.1 (2.05)	13.7 (1.40)	10.3 (1.05)									
0m	1750 Arm				26.0 (2.65)	18.1 (1.85)	13.2 (1.35)	19.6 (2.00)	13.2 (1.35)	9.8 (1.00)									
	2100 Arm				26.5 (2.70)	18.1 (1.85)	13.2 (1.35)	20.1 (2.05)	13.2 (1.35)	9.3 (0.95)									
-1m	1750 Arm	27.9 (2.85)	27.9 (2.85)	20.6 (2.10)	22.5 (2.30)	18.1 (1.85)	13.2 (1.35)	17.2 (1.75)	13.2 (1.35)	9.8 (1.00)									
	2100 Arm	22.5 (2.30)	22.5 (2.30)	22.5 (2.30)	24.0 (2.45)	18.1 (1.85)	13.2 (1.35)	18.1 (1.85)	12.7 (1.30)	9.3 (0.95)									
-3m	1750 Arm				6.9 (0.70)	6.9 (0.70)	6.9 (0.70)												
	2100 Arm				11.3 (1.15)	11.3 (1.15)	11.3 (1.15)												

Please note:

\* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.

\* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

### Fluorinated greenhouse gases

Air conditioner gas contains fluorinated greenhouse gases.

CAB model	Industrial designation	Quantity (kg)	CO <sub>2</sub> equivalent (ton)	GWP
KX080-4a2	HFC-134a	0.98	1.41	1430

(Global Warming Potential: GWP)

★ All images shown are for brochure purposes only.

When operating the excavator, wear clothing and equipment in accordance to local legal and safety regulations.