



CASE
CONSTRUCTION

E SERIES WHEELED EXCAVATORS



WX140E | WX160E

SPECIFICATIONS

WX160E

ENGINE

Model _____ Cummins B4.5
Type _____ Water-cooled, 4-cycle diesel, 4-cylinder in line,
High pressure common rail system (electric control),
turbocharger with air cooled intercooler, DOC+DPF+SCR,
EGR free.
Emissions _____ Stage V
Number of cylinders / Displacement (l) _____ 4 / 4.5
Bore and stroke (mm) _____ 107 x 124
Rated flywheel horse power
ISO 9249 (kW) _____ 127 at 2200 min⁻¹ (rpm)
ISO 14396 (kW) _____ 129 at 2200 min⁻¹ (rpm)
Maximum torque
ISO 14396 (Nm) _____ 780 at 1500 min⁻¹ (rpm)

HYDRAULIC SYSTEM

Main pump _____ Variable displacement piston pump
Max. oil flow (l/min) _____ 260 at 1800 min⁻¹
Working circuit pressure
Boom/Arm/Bucket (MPa) _____ 34.3 - 37.3 with auto power boost
Swing circuit (MPa) _____ 26.5
Travel circuit (MPa) _____ 37.3
Pilot circuit (MPa) _____ 3.4
Boom cylinders
Bore (mm) _____ 110
Stroke (mm) _____ 1090
Boom positioning (2 piece boom only)
Bore (mm) _____ 160
Stroke (mm) _____ 613
Arm cylinder
Bore (mm) _____ 120
Stroke (mm) _____ 1235
Bucket cylinder
Bore (mm) _____ 105
Stroke (mm) _____ 995

SWING

Swing motor _____ Fixed displacement radial piston motor
Maximum swing speed (min⁻¹) _____ 9.3
Swing torque (kNm) _____ 36.2
Brake system _____ Automatic, spring applied
hydraulic released

ELECTRICAL SYSTEM

Voltage (V) _____ 24
Alternator (Amp) _____ 95
Starter (V - kW) _____ 24 - 4.8
Battery _____ 2 X 12 V 100 Ah

STEERING

Type _____ Orbitrol steering system
Minimum turning radius (m) _____ 6.3

AXLES

Type _____ 4 wheel drive with differential, oscillating front axle
with automatic or operator controlled oscillation lock,
fixed rear axle
Brake type _____ Wet multi-disc
Parking brake type _____ Wet multi-disc integrated
in transmission

UNDERCARRIAGE

Transmission _____ 2 speed hydrostatic powershift
Travel motor _____ Variable displacement bent-axis axial
piston motor
High travel speed (Automatic travel speed shifting) (km/h) _____ 35
Low travel speed (km/h) _____ 10
Creep speed (km/h) _____ 3
Drawbar pull (kN) _____ 103
Gradeability _____ 58% (30°)

NOISE

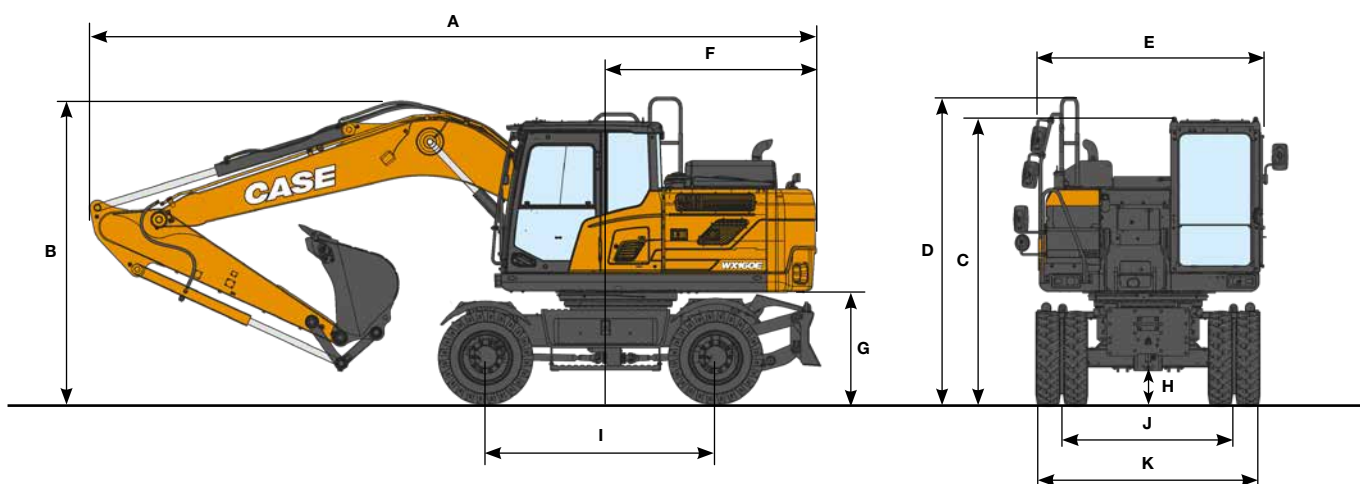
External guaranteed sound level
(EU Directive 2000/14/EC) _____ LwA 99 dB(A)
Operator cab sound pressure level (ISO 6396) _____ LpA 72 dB(A)

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) _____ 250
Hydraulic system (l) _____ 204
Hydraulic tank (l) _____ 122
AdBlue tank (l) _____ 48

DIMENSIONS

WX160E MONO



GENERAL DIMENSIONS		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m	Arm 3.10 m
A Overall length (with attachment) (traveling/transportation)	mm	8180 / 8140	8230 / 8190	8065 / 8025	8060 / 8020
B Overall height (to top of boom) (traveling/transportation)	mm	3510 / 2970	3520 / 3095	3790 / 3250	3940 / 3530
C Cab height	mm	3230	3230	3230	3230
D Overall height (to top of handrail)	mm	3450	3450	3450	3450
E Upper structure overall width	mm	2485	2485	2485	2485
F Swing (rear end) radius	mm	2250	2250	2250	2250
G Clearance height under upper structure	mm	1265	1265	1265	1265
H Minimum ground clearance	mm	370	370	370	370
I Wheel base (center to center of wheels)	mm	2600	2600	2600	2600
J Tread	mm	1944 / 2114	1944 / 2114	1944 / 2114	1944 / 2114
K Undercarriage overall width	mm	2530	2530	2530	2530

WEIGHT

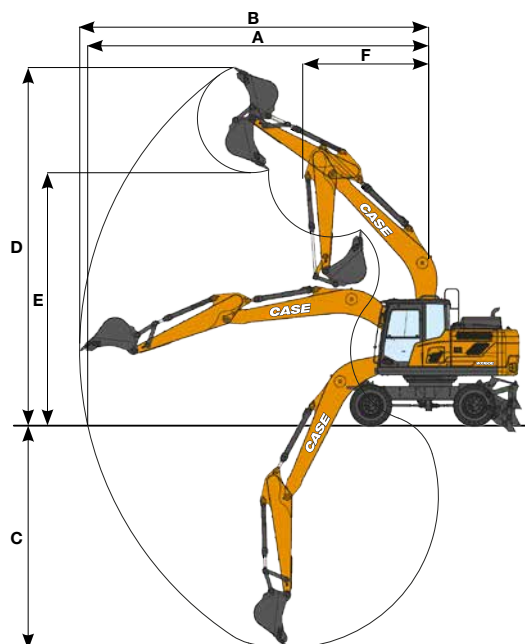
With 2.45 m arm, 0.70 m³ bucket, 10.00×20 twin tires, standard counterweight, operator, lubricant, coolant, full fuel tank.

MONO	WEIGHT
Rear blade	17580 kg
Front blade and rear stabilizers	18800 kg

Std counterweight: 2910 kg
Heavy counterweight: 2910 kg + 500 kg

PERFORMANCE DATA		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m	Arm 3.10 m
Boom length	mm	5000	5000	5000	5000
A Maximum reach at GRP	mm	8610	8140	8660	9090
B Maximum reach	mm	8820	8360	8865	9285
C Max. digging depth	mm	5610	5160	5760	6260
D Max. digging height	mm	9010	8640	8810	8920
E Max. dumping height	mm	6360	6030	6210	6350
F Min. swing radius	mm	3170	3480	3450	3500

DIGGING FORCE (ISO 6015)		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m	Arm 3.10 m
Arm digging force	kN	77	97	76	67
with Auto power up	kN	84	106	83	73
Bucket digging force	kN	115	115	115	115
with Auto power up	kN	125	125	126	126



LIFTING CAPACITY

WX160E MONO

REACH												
Front	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max reach	m
Side												

REAR BLADE DOWN - Mono boom 5.0 m, arm 2.00 m, 2910 kg counterweight

7.5 m													
6.0 m					4560*	4560*					4580*	3240	5.60
4.5 m					5180*	4470	4430	2860			3920	2530	6.47
3.0 m					6290*	4170	4320	2760			3480	2230	6.90
1.5 m					6430	3920	4190	2640			3360	2130	6.99
0 m					6290	3800	4120	2580			3510	2210	6.73
-1.5 m			9960*	7040	6290	3800	4130	2590			4040	2540	6.10
-3.0 m			7850*	7220	5540*	3920					4790*	3470	4.94

REAR BLADE UP - Mono boom 5.0 m, arm 2.00 m, 2910 kg counterweight

7.5 m													
6.0 m					4560*	4210					4580*	2940	5.60
4.5 m					5180*	4040	4430	2590			3920	2290	6.47
3.0 m					6290*	3760	4320	2490			3480	2010	6.90
1.5 m					6430	3510	4190	2380			3360	1920	6.99
0 m					6290	3390	4120	2310			3510	1990	6.73
-1.5 m			9960*	6180	6290	3390	4130	2320			4040	2280	6.10
-3.0 m			7850*	6360	5540*	3510					4790*	3120	4.94

REAR BLADE DOWN - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	2940			2750*	2750*	6.16
4.5 m					4730*	4540	4240*	2900			2630*	2260	6.96
3.0 m					5890*	4240	4350	2780			2660*	2020	7.36
1.5 m					6470	3960	4200	2650			2830*	1940	7.44
0 m			5870*	5870*	6290	3800	4110	2570			3170	2000	7.21
-1.5 m	5810*	5810*	10160*	6950	6250	3770	4090	2550			3570	2250	6.62
-3.0 m	10280*	10280*	8790*	7110	6160*	3840					4540*	2900	5.57

REAR BLADE DOWN (WIDE AXLES) - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	3280			2750*	2750*	6.16
4.5 m					4730*	4730*	4240*	3250			2630*	2540	6.96
3.0 m					5890*	4790	4360	3120			2660*	2270	7.36
1.5 m					6490	4490	4210	2990			2830*	2190	7.44
0 m			5870*	5870*	6310	4330	4120	2900			3180	2260	7.21
-1.5 m	5810*	5810*	10160*	8100	6270	4290	4100	2880			3580	2540	6.62
-3.0 m	10280*	10280*	8790*	8260	*6160*	4370					4540*	3270	5.57

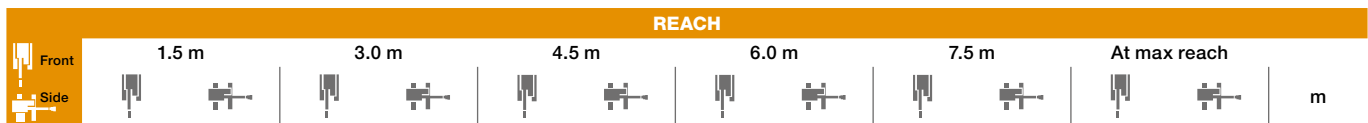
REAR BLADE UP - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	2670			2750*	2540	6.16
4.5 m					4730*	4120	4240*	2630			2630*	2050	6.96
3.0 m					5890*	3820	4350	2510			2660*	1820	7.36
1.5 m					6470	3550	4200	2390			2830*	1740	7.44
0 m			5870*	5870*	6290	3390	4110	2300			3170	1790	7.21
-1.5 m	5810*	5810*	10160*	6100	6250	3360	4090	2280			3570	2020	6.62
-3.0 m	10280*	10280*	8790*	6250	6160*	3430					4540*	2600	5.57

REAR BLADE UP (WIDE AXLES) - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	2930			2750*	2750*	6.16
4.5 m					4730*	4520	4240*	2890			2630*	2250	6.96
3.0 m					5890*	4220	4360	2770			2660*	2010	7.36
1.5 m					6490	3940	4210	2640			2830*	1930	7.44
0 m			5870*	5870*	6310	3780	4120	2550			3180	1990	7.21
-1.5 m	5810*	5810*	10160*	6910	6270	3750	4100	2530			3580	2240	6.62
-3.0 m	10280*	10280*	8790*	7070	6160*	3830					4540*	2880	5.57

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.



FRONT BLADE & REAR STABILIZERS DOWN - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m										3180*	3180*	4.77
6.0 m							3550*	3550*		2750*	2750*	6.16
4.5 m						4730*	4730*	4240*	4240*	2630*	2630*	6.96
3.0 m						5890*	5890*	4700*	4670	2660*	2660*	7.36
1.5 m						6970*	6970*	5190*	4520	2830*	2830*	7.44
0 m			5870*	5870*	7470*	6790	5470*	4430		3190*	3190*	7.21
-1.5 m	5810*	5810*	10160*	10160*	7260*	6760	5270*	4400		3900*	3850	6.62
-3.0 m	10280*	10280*	8790*	8790*	6160*	6160*				4540*	4540*	5.57

FRONT BLADE & REAR STABILIZERS UP - Mono boom 5.0 m, arm 2.45 m, 2910 kg counterweight

7.5 m										3180*	3180*	4.77
6.0 m							3550*	3350		2750*	2750*	6.16
4.5 m						4730*	4730*	4240*	3310	2630*	2600	6.96
3.0 m						5890*	4870	4400	3190	2660*	2330	7.36
1.5 m						6550	4580	4260	3060	2830*	2250	7.44
0 m			5870*	5870*	6370	4410	4160	2970		3190*	2320	7.21
-1.5 m	5810*	5810*	10160*	8170	6330	4380	4140	2950		3620	2600	6.62
-3.0 m	10280*	10280*	8790*	8330	*6160*	4460				4540*	3350	5.57

REAR BLADE DOWN - Mono boom 5.0 m, arm 2.60 m, 2910 kg counterweight

7.5 m										3360*	3360*	4.96
6.0 m							3960*	2940		2950*	2680	6.31
4.5 m						4540*	4540	4110*	2890	2830*	2180	7.09
3.0 m						5700*	4230	4330	2760	2880*	1940	7.49
1.5 m						6450	3930	4180	2630	3000	1890	7.56
0 m			5970*	5970*	6250	3760	4070	2530		3060	1920	7.33
-1.5 m	5590*	5590*	9940*	6860	6200	3710	4040	2500		3430	2140	6.76
-3.0 m	9860*	9860*	9010*	7010	6270*	3780				4400	2730	5.74

REAR BLADE UP - Mono boom 5.0 m, arm 2.60 m, 2910 kg counterweight

7.5 m										3360*	3360*	4.96
6.0 m							3960*	2670		2950*	2430	6.31
4.5 m						4540*	4120	4110*	2620	2830*	1960	7.09
3.0 m						5700*	3810	4330	2490	2880*	1750	7.49
1.5 m						6450	3520	4180	2360	3000	1690	7.56
0 m			5970*	5970*	6250	3350	4070	2260		3060	1720	7.33
-1.5 m	5590*	5590*	9940*	6010	6200	3310	4040	2240		3430	1920	6.76
-3.0 m	9860*	9860*	9010*	6160	6270*	3370				4400	2450	5.74

REAR BLADE DOWN - Mono boom 5.0 m, arm 3.10 m, 2910 kg counterweight

7.5 m										2680*	2680*	5.62	
6.0 m							3540*	3030		2420*	2410	6.83	
4.5 m							3780*	2960	2570*	2030	2340*	2000	7.56
3.0 m			7570*	7570*	5230*	4340	4300*	2820	3100	1980	2390*	1800	7.93
1.5 m					6470*	4000	4220	2660	3030	1910	2540*	1730	8.00
0 m			6640*	6640*	6270	3770	4090	2540	2970	1860	2820	1760	7.78
-1.5 m	5170*	5170*	9310*	6770	6170	3690	4020	2480			3100	1940	7.25
-3.0 m	8430*	8430*	9800*	6880	6210	3720	4060	2520			3800	2370	6.31
-4.5 m			7000*	7000*	4610*	3900					4240*	3670	4.72









REAR BLADE UP - Mono boom 5.0 m, arm 3.10 m, 2910 kg counterweight

7.5 m										2680*	2680*	5.62	
6.0 m							3540*	2760		2420*	2180	6.83	
4.5 m							3780*	2690	2570*	1830	2340*	1810	7.56
3.0 m			7570*	7200	5230*	3920	4300*	2550	3100	1780	2390*	1620	7.93
1.5 m					6470*	3590	4220	2390	3030	1720	2540*	1550	8.00
0 m			6640*	5960	6270	3360	4090	2270	2970	1660	2820	1580	7.78
-1.5 m	5170*	5170*	9310*	5920	6170	3280	4020	2220			3100	1730	7.25
-3.0 m	8430*	8430*	9800*	6030	6210	3310	4060	2250			3800	2120	6.31
-4.5 m			7000*	6300	4610*	3490					4240*	3280	4.72

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.

LIFTING CAPACITY

WX160E MONO

		REACH											
Front Side	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max reach		m
													

REAR BLADE DOWN - Mono boom 5.0 m, arm 2.0 m, 3410 kg counterweight

7.5 m													
6.0 m					4560*	4560*					4580*	3480	5.60
4.5 m					5180*	4790	4560*	3090			4180	2740	6.47
3.0 m					6290*	4500	4600	2990			3720	2420	6.90
1.5 m					6860	4250	4480	2870			3600	2320	6.99
0 m					6720	4130	4410	2810			3750	2410	6.73
-1.5 m			9960*	7620	6720	4130	4420	2820			4320	2760	6.10
-3.0 m			7850*	7810	5540*	4250					4790*	3760	4.94

REAR BLADE UP - Mono boom 5.0 m, arm 2.0 m, 3410 kg counterweight

7.5 m													
6.0 m					4560*	4520					4580*	3170	5.60
4.5 m					5180*	4350	4560*	2810			4180	2490	6.47
3.0 m					6290*	4070	4600	2710			3720	2190	6.90
1.5 m					6860	3820	4480	2600			3600	2100	6.99
0 m					6720	3710	4410	2530			3750	2180	6.73
-1.5 m			9960*	6720	6720	3700	4420	2540			4320	2490	6.10
-3.0 m			7850*	6900	5540*	3820					4790*	3390	4.94

REAR BLADE DOWN - Mono boom 5.0 m, arm 2.45 m, 3410 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	3170			2750*	2750*	6.16
4.5 m					4730*	4730*	4240*	3130			2630*	2450	6.96
3.0 m					5890*	4570	4630	3010			2660*	2200	7.36
1.5 m					6910	4290	4490	2880			2830*	2120	7.44
0 m			5870*	5870*	6720	4130	4400	2790			3190*	2180	7.21
-1.5 m	5810*	5810*	10160*	7530	6690	4090	4370	2770			3830	2450	6.62
-3.0 m	10280*	10280*	8790*	7690	6160*	4170					4540*	3150	5.57

REAR BLADE UP - Mono boom 5.0 m, arm 2.45 m, 3410 kg counterweight

7.5 m											3180*	3180*	4.77
6.0 m							3550*	2890			2750*	2750*	6.16
4.5 m					4730*	4430	4240*	2850			2630*	2230	6.96
3.0 m					5890*	4130	4630	2730			2660*	1990	7.36
1.5 m					6910	3860	4490	2610			2830*	1910	7.44
0 m			5870*	5870*	6720	3700	4400	2520			3190*	1970	7.21
-1.5 m	5810*	5810*	10160*	6640	6690	3670	4370	2500			3830	2210	6.62
-3.0 m	10280*	10280*	8790*	6790	6160*	3740					4540*	2840	5.57

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REAR BLADE DOWN - Mono boom 5.0 m, arm 2.60 m, 3410 kg counterweight

7.5 m										3360*	3360*	4.96
6.0 m										2950*	2900	6.31
4.5 m				4540*	4540*					4110*	3120	7.09
3.0 m				5700*	4560					4580*	2990	7.49
1.5 m				6830*	4260					4470	2850	7.56
0 m			5970*	5970*	6680	4090				4360	2760	7.33
-1.5 m	5590*	5590*	9940*	7440	6630	4040				3220	2060	6.76
-3.0 m	9860*	9860*	9010*	7590	6270*	4110				3680	2340	5.74
										4490*	2980	

REAR BLADE UP - Mono boom 5.0 m, arm 2.60 m, 3410 kg counterweight

7.5 m										3360*	3360*	4.96
6.0 m										2950*	2640	6.31
4.5 m				4540*	4430					4110*	2840	7.09
3.0 m				5700*	4120					4580*	2710	7.49
1.5 m				6830*	3830					4470	2580	7.56
0 m			5970*	5970*	6680	3660				4360	2480	7.33
-1.5 m	5590*	5590*	9940*	6550	6630	3620				3220	1860	6.76
-3.0 m	9860*	9860*	9010*	6700	6270*	3680				3680	2110	5.74
										4490*	2680	

REAR BLADE DOWN - Mono boom 5.0 m, arm 3.10 m, 3410 kg counterweight

7.5 m										2680*	2680*	5.62
6.0 m										3540*	3260	6.83
4.5 m										3780*	3190	7.56
3.0 m			7570*	7570*	5230*	4670				2570*	2200	7.93
1.5 m					6470*	4330				4300*	3050	8.00
0 m			6640*	6640*	6700	4100				3320	2160	7.78
-1.5 m	5170*	5170*	9310*	7350	6600	4010				3240	2090	7.25
-3.0 m	8430*	8430*	9800*	7460	6640	4050				3180	2030	6.31
-4.5 m			7000*	7000*	4610*	4230				2840*	1930	4.72
										3330	2120	

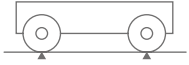
REAR BLADE UP - Mono boom 5.0 m, arm 3.10 m, 3410 kg counterweight

7.5 m										2680*	2680*	5.62
6.0 m										3540*	2980	6.83
4.5 m										3780*	2910	7.56
3.0 m			7570*	7570*	5230*	4230				2570*	2000	7.93
1.5 m					6470*	3900				4300*	2770	8.00
0 m			6640*	6500	6700	3670				3320	1950	7.78
-1.5 m	5170*	5170*	9310*	6460	6600	3590				3240	1880	7.25
-3.0 m	8430*	8430*	9800*	6570	6640	3620				3180	1830	6.31
-4.5 m			7000*	6840	4610*	3800				2840*	1740	4.72
										3330	1910	

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.

BUCKETS

WX160E MONO



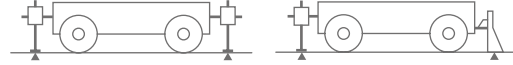
QUICK COUPLED - ON WHEELS

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GENERAL PURPOSE BUCKETS					
0.24	450	350	○	○	○
0.36	600	390	○	○	●
0.50	750	440	○	●	■
0.62	900	480	●	■	-
0.70	1000	500	▲	■	-
0.78	1100	540	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
HEAVY DUTY BUCKETS					
0.26	450	420	○	○	○
0.38	600	480	○	○	●
0.51	750	550	●	●	■
0.65	900	620	▲	■	-
0.70	1000	660	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GRADING BUCKETS					
0.59	1500	440	●	▲	■
0.72	1800	510	▲	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
DITCH CLEANING BUCKETS					
0.86	1830	630	■	-	-



QUICK COUPLED - STABILIZED

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GENERAL PURPOSE BUCKETS					
0.24	450	350	○	○	○
0.36	600	390	○	○	●
0.50	750	440	○	●	■
0.62	900	480	●	▲	■
0.70	1000	500	▲	■	-
0.78	1100	540	■	■	-
0.87	1200	570	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
HEAVY DUTY BUCKETS					
0.26	450	420	○	○	○
0.38	600	480	○	○	●
0.51	750	550	○	●	▲
0.65	900	620	●	▲	■
0.70	1000	660	▲	■	-
0.75	1050	680	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GRADING BUCKETS					
0.59	1500	440	●	●	▲
0.72	1800	510	●	▲	■

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
DITCH CLEANING BUCKETS					
0.86	1830	630	■	■	-

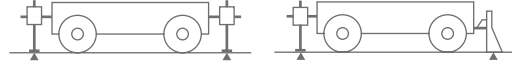
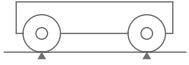
○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³

▲ Rated material density up to 1.4 ton/m³
■ Rated material density up to 1.2 ton/m³

— Not applicable
* with bolt-on cutting edge

BUCKETS

WX160E MONO (HEAVY COUNTERWEIGHT)



QUICK COUPLED - ON WHEELS

QUICK COUPLED - STABILIZED

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GENERAL PURPOSE BUCKETS					
0.24	450	350	○	○	○
0.36	600	390	○	○	○
0.50	750	440	○	○	●
0.62	900	480	○	●	▲
0.70	1000	500	●	▲	■
0.78	1100	540	▲	■	-
0.87	1200	570	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00m	Arm 2.45 m 2.60 m	Arm 3.10 m
GENERAL PURPOSE BUCKETS					
0.24	450	350	○	○	○
0.36	600	390	○	○	○
0.50	750	440	○	○	●
0.62	900	480	○	●	▲
0.70	1000	500	●	▲	■
0.78	1100	540	▲	▲	■
0.87	1200	570	▲	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
HEAVY DUTY BUCKETS					
0.26	450	420	○	○	○
0.38	600	480	○	○	●
0.51	750	550	○	●	▲
0.65	900	620	●	▲	■
0.70	1000	660	▲	■	-
0.75	1050	680	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
HEAVY DUTY BUCKETS					
0.26	450	420	○	○	○
0.38	600	480	○	○	●
0.51	750	550	○	●	▲
0.65	900	620	●	●	■
0.70	1000	660	●	▲	■
0.75	1050	680	▲	■	-
0.78	1100	700	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GRADING BUCKETS					
0.59	1500	440	○	●	■
0.72	1800	510	●	■	-
0.85	2100	570	■	-	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
GRADING BUCKETS					
0.59	1500	440	○	●	▲
0.72	1800	510	●	▲	■
0.85	2100	570	▲	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m	Arm 3.10 m
DITCH CLEANING BUCKETS					
0.86	1830	630	■	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00m	Arm 2.45 m 2.60 m	Arm 3.10 m
DITCH CLEANING BUCKETS					
0.86	1830	630	▲	■	-

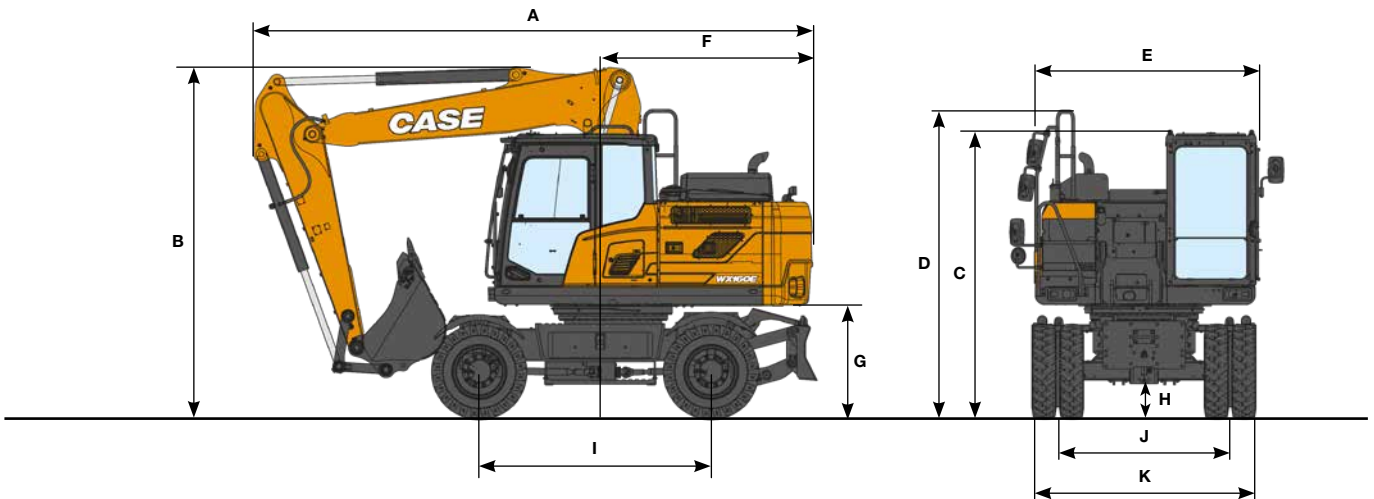
○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³

▲ Rated material density up to 1.4 ton/m³
■ Rated material density up to 1.2 ton/m³

— Not applicable
* with bolt-on cutting edge

DIMENSIONS

WX160E 2-PIECE BOOM



GENERAL DIMENSIONS		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
A Overall length (with attachment) (traveling/transportation)	mm	6340 / 8345	6375 / 8390	6280 / 8320
B Overall height (to top of boom) (traveling/transportation)	mm	3930 / 2950	3930 / 2990	3930 / 3165
C Cab height	mm	3230	3230	3230
D Overall height (to top of handrail)	mm	3450	3450	3450
E Upper structure overall width	mm	2485	2485	2485
F Swing (rear end) radius	mm	2250	2250	2250
G Clearance height	mm	1265	1265	1265
H Minimum ground clearance	mm	370	370	370
I Wheel base (center to center of wheels)	mm	2600	2600	2600
J Tread	mm	1944 / 2114	1944 / 2114	1944 / 2114
K Undercarriage overall width	mm	2530	2530	2530

WEIGHT

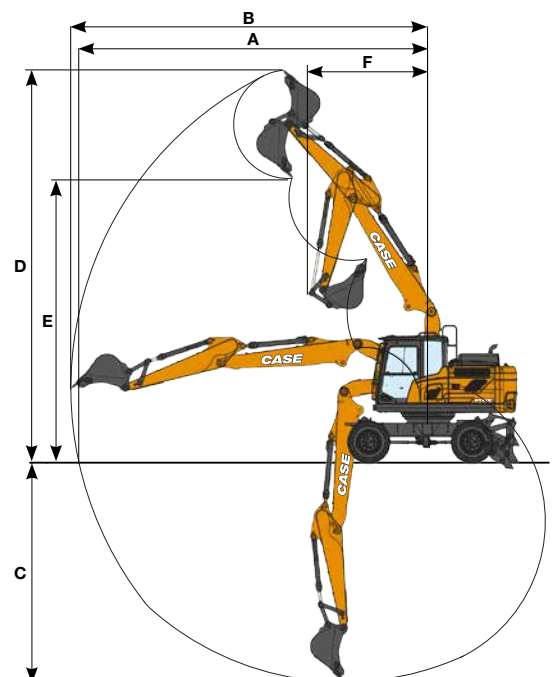
With 2.45 m arm, 0.70 m³ bucket, 10.00×20 twin tires, standard counterweight, operator, lubricant, coolant, full fuel tank.

2-PIECE BOOM	WEIGHT
Rear blade	18390 kg
Front blade and rear stabilizers	19610 kg

Counterweight: 3410 kg











PERFORMANCE DATA		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
Boom length	mm	5097	5097	5097
A Maximum reach at GRP	mm	8790	8310	8860
B Maximum reach	mm	8990	8530	9060
C Max. digging depth	mm	5540	5080	5660
D Max. digging height	mm	9870	9450	9770
E Max. dumping height	mm	7140	6740	7070
F Min. swing radius	mm	3030	3370	3500

DIGGING FORCE (ISO 6015)		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
Arm digging force	kN	77	97	76
with Auto power up	kN	84	106	83
Bucket digging force	kN	115	115	115
with Auto power up	kN	125	125	126



LIFTING CAPACITY











WX160E 2-PIECE BOOM

		REACH										
		3.0 m		4.5 m		6.0 m		7.5 m		At max reach		
Front	Side											m
REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.0 m, 3410 kg counterweight												
7.5 m										4660*	4660*	4.30
6.0 m				4250*	4250*					4310*	3280	5.81
4.5 m				4880*	4790	4290*	3080			4010	2600	6.65
3.0 m				6000*	4470	4610	2970			3590	2310	7.07
1.5 m				6840	4200	4470	2840			3470	2220	7.15
0 m				6710	4080	4400	2770			3620	2310	6.91
-1.5 m	9910*	7560		6710	4080	4410	2780			4140	2630	6.29
-3.0 m												
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.0 m, 3410 kg counterweight												
7.5 m										4660*	4660*	4.30
6.0 m				4250*	4250*					4310*	2980	5.81
4.5 m				4880*	4340	4290*	2800			4010	2360	6.65
3.0 m				6000*	4030	4610	2680			3590	2090	7.07
1.5 m				6840	3760	4470	2560			3470	2000	7.15
0 m				6710	3650	4400	2490			3620	2080	6.91
-1.5 m	9910*	6660		6710	3650	4410	2500			4140	2370	6.29
-3.0 m												
REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.45 m, 3410 kg counterweight												
7.5 m				3940*	3940*					3260*	3260*	5.04
6.0 m				3790*	3790*	3850*	3180			2790*	2790*	6.37
4.5 m				4450*	4450*	3990*	3130			2620*	2330	7.14
3.0 m				5600*	4540	4460*	2990	2960*	2120	2600*	2100	7.54
1.5 m				6720*	4240	4490	2850	3240	2070	2720*	2030	7.61
0 m				6710	4080	4390	2760			2980*	2090	7.38
-1.5 m	8830*	7460		6670	4050	4360	2740			3520*	2340	6.81
-3.0 m				6400*	4130							
REAR BLADE DOWN (WIDE AXLES) - 2-piece boom 5.097 m arm 2.45 m, 3410 kg counterweight												
7.5 m				3940*	3940*					3260*	3260*	5.04
6.0 m				3790*	3790*	3850*	3540			2790*	2790*	6.37
4.5 m				4450*	4450*	3990*	3490			2620*	2610	7.14
3.0 m				5600*	5120	4460*	3350	2960*	2380	2600*	2360	7.54
1.5 m				6720*	4800*	4500	3210	3250	2330	2720*	2280	7.61
0 m				6720	4630	4400	3120			2980*	2360	7.38
-1.5 m	8830*	8680		6690	4600	4370	3100			3520*	2640	6.81
-3.0 m				6400*	4690							
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.45 m, 3410 kg counterweight												
7.5 m				3940*	3940*					3260*	3260*	5.04
6.0 m				3790*	3790*	3850*	2890			2790*	2590	6.37
4.5 m				4450*	4420	3990*	2840			2620*	2110	7.14
3.0 m				5600*	4100	4460*	2710	2960*	1910	2600*	1890	7.54
1.5 m				6720*	3800	4490	2570	3240	1870	2720*	1820	7.61
0 m				6710	3640	4390	2480			2980*	1880	7.38
-1.5 m	8830*	6560		6670	3610	4360	2460			3520*	2100	6.81
-3.0 m				6400*	3700							
REAR BLADE UP (WIDE AXLES) - 2-piece boom 5.097 m, arm 2.45 m, 3410 kg counterweight												
7.5 m				3940*	3940*					3260*	3260*	5.04
6.0 m				3790*	3790*	3850*	3170			2790*	2790*	6.37
4.5 m				4450*	4450*	3990*	3110			2620*	2330	7.14
3.0 m				5600*	4520	4460*	2980	2960*	2110	2600*	2090	7.54
1.5 m				6720*	4220	4500	2840	3250	2060	2720*	2020	7.61
0 m				6720	4060	4400	2750			2980*	2080	7.38
-1.5 m	8830*	7420		6690	4030	4370	2730			3520*	2330	6.81
-3.0 m				6400*	4110							

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.

LIFTING CAPACITY

WX160E 2-PIECE BOOM

		REACH									
Front Side	3.0 m		4.5 m		6.0 m		7.5 m		At max reach		m
											
FRONT BLADE & REAR STABILIZERS DOWN - 2-piece boom 5.097 m, arm 2.45 m, 3410 kg counterweight											
7.5 m			3940*	3940*					3260*	3260*	5.04
6.0 m			3790*	3790*	3850*	3850*			2790*	2790*	6.37
4.5 m			4450*	4450*	3990*	3990*			2620*	2620*	7.14
3.0 m			5600*	5600*	4460*	4460*	2960*	2960*	2600*	2600*	7.54
1.5 m			6720*	6720*	4990*	4810	3810	3480	2720*	2720*	7.61
0 m			7310*	7220	5340*	4710			2980*	2980*	7.38
-1.5 m	8830*	8830*	7260*	7180	5300*	4690			3520*	3520*	6.81
-3.0 m			6400*	6400*							
FRONT BLADE & REAR STABILIZERS UP - 2-piece boom 5.097 m, arm 2.45 m, 3410 kg counterweight											
7.5 m			3940*	3940*					3260*	3260*	5.04
6.0 m			3790*	3790*	3850*	3600			2790*	2790*	6.37
4.5 m			4450*	4450*	3990*	3550			2620*	2620*	7.14
3.0 m			5600*	5190	4460*	3420	2960*	2430	2600*	2410	7.54
1.5 m			6720*	4870	4540	3280	3280	2390	2720*	2330	7.61
0 m			6790	4710	4440	3180			2980*	2410	7.38
-1.5 m	8830*	8720	6750*	4680	4420	3160			3520*	2690	6.81
-3.0 m			6400*	4770							
REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.60 m, 3410 kg counterweight											
7.5 m			3710*	3710*					3450*	3450*	5.23
6.0 m			3610*	3610*	3670*	3180			2990*	2730	6.52
4.5 m			4270*	4270*	3850*	3110			2830*	2240	7.28
3.0 m			5420*	4540	4340*	2970	3270	2100	2830*	2020	7.67
1.5 m			6570*	4210	4460	2830	3210	2040	2960*	1950	7.74
0 m			6660	4030	4350	2720	3180	2010	3170	2000	7.52
-1.5 m	8610*	7370	6620	3990	4320	2690			3530	2230	6.96
-3.0 m			6480*	4070							
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.60 m, 3410 kg counterweight											
7.5 m			3710*	3710*					3450*	3450*	5.23
6.0 m			3610*	3610*	3670*	2890			2990*	2470	6.52
4.5 m			4270*	4270*	3850*	2830			2830*	2030	7.28
3.0 m			5420*	4090	4340*	2690	3270	1890	2830*	1820	7.67
1.5 m			6570*	3780	4460	2540	3210	1840	2960*	1750	7.74
0 m			6660	3600	4350	2440	3180	1800	3170	1800	7.52
-1.5 m	8610*	6470	6620	3560	4320	2420			3530	2010	6.96
-3.0 m			6480*	3630							

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.

BUCKETS

WX160E 2-PIECE BOOM



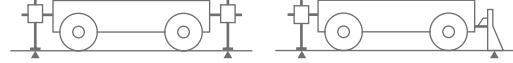
QUICK COUPLED - ON WHEELS

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
GENERAL PURPOSE BUCKETS				
0.24	450	350	○	○
0.36	600	390	○	○
0.50	750	440	○	●
0.62	900	480	●	▲
0.70	1000	500	●	■
0.78	1100	540	■	-
0.87	1200	570	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
HEAVY DUTY BUCKETS				
0.26	450	420	○	○
0.38	600	480	○	○
0.51	750	550	○	●
0.65	900	620	●	■
0.70	1000	660	■	■
0.75	1050	680	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m
GRADING BUCKETS				
0.59	1500	440	●	▲
0.72	1800	510	▲	■
0.85	2100	570	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m
DITCH CLEANING BUCKETS				
0.86	1830	630	■	-



QUICK COUPLED - STABILIZED

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
GENERAL PURPOSE BUCKETS				
0.24	450	350	○	○
0.36	600	390	○	○
0.50	750	440	○	●
0.62	900	480	●	▲
0.70	1000	500	●	▲
0.78	1100	540	▲	■
0.87	1200	570	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
HEAVY DUTY BUCKETS				
0.26	450	420	○	○
0.38	600	480	○	○
0.51	750	550	○	●
0.65	900	620	●	▲
0.70	1000	660	▲	■
0.75	1050	680	■	■
0.78	1050	700	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m
GRADING BUCKETS				
0.59	1500	440	●	●
0.72	1800	510	●	▲
0.85	2100	570	▲	■

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.00 m	Arm 2.45 m 2.60 m
DITCH CLEANING BUCKETS				
0.54	1830	630	■	■

○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³

▲ Rated material density up to 1.4 ton/m³
■ Rated material density up to 1.2 ton/m³

— Not applicable
* with bolt-on cutting edge