



CASE
CONSTRUCTION

E SERIES WHEELED EXCAVATORS



WX140E | WX160E

SPECIFICATIONS

WX140E

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) _____ 230 at 1600 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) _____ 3.9
Boom cylinders
 Bore (mm) _____ 105
 Stroke (mm) _____ 1105
Boom positioning (2 piece boom only)
 Bore (mm) _____ 145
 Stroke (mm) _____ 634
Arm cylinder
 Bore (mm) _____ 115
 Stroke (mm) _____ 1138
Bucket cylinder
 Bore (mm) _____ 100
 Stroke (mm) _____ 850

SWING

Swing motor _____ Fixed displacement radial piston motor
 Maximum swing speed (min⁻¹) _____ 9.5
 Swing torque (kNm) _____ 31.6
 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) _____ 40
 Low travel speed (km/h) _____ 10
 Creep speed (km/h) _____ 3
 Drawbar pull (kN) _____ 80
 Gradeability _____ 58% (30°)

NOISE

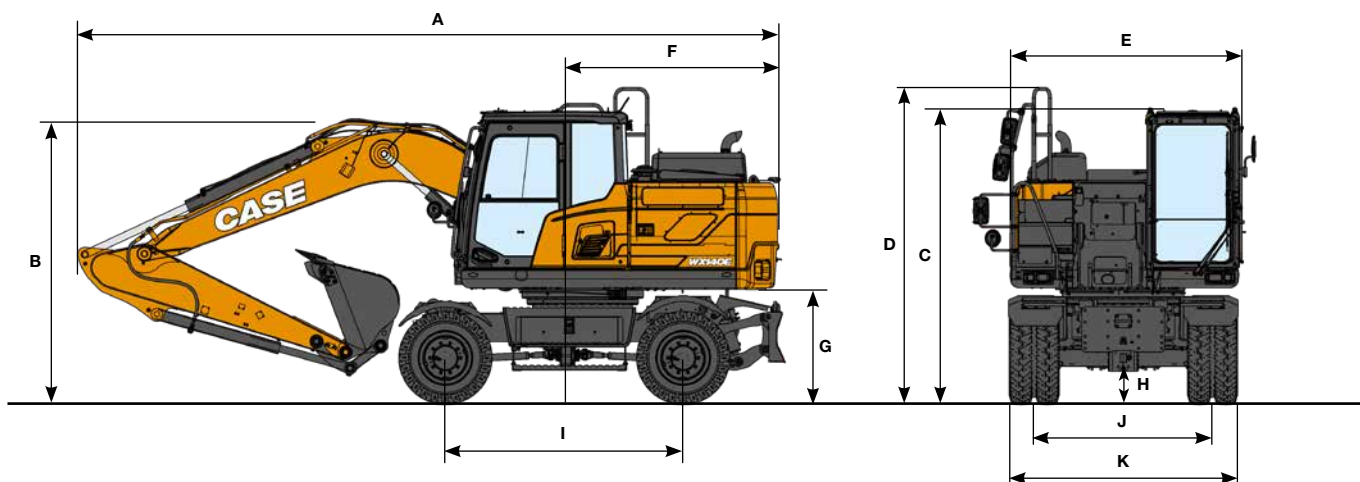
External guaranteed sound level
 (EU Directive 2000/14/EC) _____ LwA 96 dB(A)
 Operator cab sound pressure level (ISO 6396) _____ LpA 71 dB(A)

CIRCUIT AND COMPONENT CAPACITIES

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

DIMENSIONS

WX140E 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	7560 / 7495	7740 / 7675	7470 / 7405	7365 / 7300
B Overall height (to top of boom) (traveling/transportation)	mm	3655 / 2930	3270 / 2720	3775 / 3050	3990 / 3420
C Cab height	mm	3255	3255	3255	3255
D Overall height (to top of handrail)	mm	3475	3475	3475	3475
E Upper structure overall width	mm	2485	2485	2485	2485
F Swing (rear end) radius	mm	2170	2170	2170	2170
G Clearance height under upper structure	mm	1260	1260	1260	1260
H Minimum ground clearance	mm	390	390	390	390
I Wheel base (center to center of wheels)	mm	2600	2600	2600	2600
J Tread	mm	1944	1944	1944	1944
K Undercarriage overall width	mm	2530	2530	2530	2530

WEIGHT

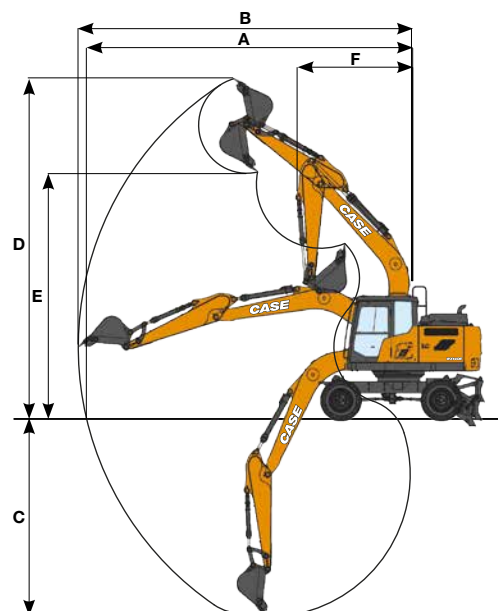
With 2.45 m arm, 0.58 m³ bucket, 10.00×20 twin tires, standard counterweight, operator, lubricant, coolant, full fuel tank.

MONO	WEIGHT
Rear blade	14900 kg
Front blade and rear stabilizers	15830 kg

Std counterweight: 1700 kg
Heavy counterweight: 1700 kg + 500 kg

PERFORMANCE DATA		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m	Arm 3.10 m
Boom length	mm	4600	4600	4600	4600
A Maximum reach at GRP	mm	8080	7640	8230	8700
B Maximum reach	mm	8310	7880	8450	8910
C Max. digging depth	mm	5110	4660	5260	5760
D Max. digging height	mm	8850	8540	8940	9210
E Max. dumping height	mm	6400	6100	6490	6760
F Min. swing radius	mm	2680	2670	2690	2720

DIGGING FORCE (ISO 6015)		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m	Arm 3.10 m
Arm digging force	kN	66	78	64	57
with Auto power up	kN	72	85	69	62
Bucket digging force	kN	103	103	103	103
with Auto power up	kN	112	112	112	112










LIFTING CAPACITY

WX140E MONO

		REACH										
		1.5 m		3.0 m		4.5 m		6.0 m		At max reach		m
Front	Side											
REAR BLADE DOWN - Mono boom 4.6 m, arm 2.00 m, 1700 kg counterweight												
6.0 m						4420*	3670			3330*	2910	5.15
4.5 m						4790*	3570	3560	2240	3110*	2190	6.08
3.0 m						5500	3350	3490	2180	3050	1900	6.53
1.5 m						5250	3140	3400	2090	2940	1810	6.62
0 m				6510*	5520	5120	3020	3340	2040	3090	1890	6.34
-1.5 m	6490*	6490*		9460*	5580	5120	3020			3650	2230	5.66
-3.0 m				6990*	5760					4600*	3300	4.37
REAR BLADE UP - Mono boom 4.6 m, arm 2.00 m, 1700 kg counterweight												
6.0 m						4420*	3330			3330*	2640	5.15
4.5 m						4790*	3230	3560	2020	3110*	1970	6.08
3.0 m						5500	3010	3490	1960	3050	1710	6.53
1.5 m						5250	2810	3400	1880	2940	1620	6.62
0 m				6510*	4840	5120	2700	3340	1820	3090	1700	6.34
-1.5 m	6490*	6490*		9460*	4900	5120	2690			3650	1990	5.66
-3.0 m				6990*	5080					4600*	2950	4.37
REAR BLADE DOWN - Mono boom 4.6 m, arm 2.45 m, 1700 kg counterweight												
7.5 m										2890*	2890*	4.16
6.0 m						3880*	3740			2390*	2390*	5.70
4.5 m						4330*	3620	3590	2270	2250*	1940	6.55
3.0 m				7850*	6310	5330*	3390	3500	2180	2260*	1700	6.97
1.5 m				5690*	5650	5270	3150	3390	2080	2410*	1630	7.05
0 m				6760*	5460	5100	3000	3310	2010	2740*	1690	6.79
-1.5 m	5600*	5600*		9980*	5480	5060	2960	3300	2000	3190	1940	6.16
-3.0 m				7990*	5620	5160	3050			4400	2650	5.01
REAR BLADE UP - Mono boom 4.6 m, arm 2.45 m, 1700 kg counterweight												
7.5 m										2890*	2890*	4.16
6.0 m						3880*	3390			2390*	2250	5.70
4.5 m						4330*	3280	3590	2050	2250*	1750	6.55
3.0 m				7850*	5600	5330*	3050	3500	1970	2260*	1530	6.97
1.5 m				5690*	4970	5270	2810	3390	1860	2410*	1460	7.05
0 m				6760*	4790	5100	2670	3310	1790	2740*	1510	6.79
-1.5 m	5600*	5600*		9980*	4800	5060	2640	3300	1790	3190	1730	6.16
-3.0 m				7990*	4940	5160	2720			4400	2370	5.01
FRONT BLADE & REAR STABILIZERS DOWN - Mono boom 4.6 m, arm 2.45 m, 1700 kg counterweight												
7.5 m										2890*	2890*	4.16
6.0 m						3890*	3890*			2390*	2390*	5.70
4.5 m						4330*	4330*	3800*	3800*	2250*	2250*	6.55
3.0 m				7850*	7850*	5330*	5330*	4400*	3770	2270*	2270*	6.97
1.5 m				5690*	5690*	6370*	5680	4830*	3660	2410*	2410*	7.05
0 m				6760*	6760*	6900*	5510	5060*	3580	2740*	2740*	6.79
-1.5 m	5600*	5600*		9980*	9980*	6700*	5470	4720*	3580	3430*	3430*	6.16
-3.0 m				7990*	7990*	5350*	5350*			4460*	4460*	5.01
FRONT BLADE & REAR STABILIZERS UP - Mono boom 4.6 m, arm 2.45 m, 1700 kg counterweight												
7.5 m										2890*	2890*	4.16
6.0 m						3890*	3890*			2390*	2390*	5.70
4.5 m						4330*	4160	3690	2630	2250*	2250*	6.55
3.0 m				7850*	7370	5330*	3930	3590	2540	2270*	2000	6.97
1.5 m				5690*	5690*	5410	3680	3480	2440	2410*	1920	7.05
0 m				6760*	6490	5240	3530	3400	2360	2740*	1990	6.79
-1.5 m	5600*	5600*		9980*	6500	5200	3490	3400	2360	3280	2280	6.16
-3.0 m				7990*	6660	5290	3580			4460*	3100	5.01
REAR BLADE DOWN - Mono boom 4.6 m, arm 2.60 m, 1700 kg counterweight												
7.5 m										2660*	2660*	4.40
6.0 m										2230*	2230*	5.87
4.5 m						4180*	3650	3610	2280	2100*	1870	6.70
3.0 m				7510*	6380	5190*	3410	3510	2190	2110*	1650	7.12
1.5 m				6430*	5680	5280	3150	3390	2080	2250*	1580	7.19
0 m				6820*	5440	5090	2990	3300	2000	2540*	1630	6.94
-1.5 m	5360*	5360*		10110*	5440	5040	2950	3290	1990	3060	1860	6.33
-3.0 m	9520*	9520*		8270*	5580	5120	3020			4130	2490	5.21
REAR BLADE UP - Mono boom 4.6 m, arm 2.60 m, 1700 kg counterweight												
7.5 m										2660*	2660*	4.40
6.0 m										2230*	2140	5.87
4.5 m						4180*	3300	3610	2060	2100*	1690	6.70
3.0 m				7510*	5670	5190*	3070	3510	1970	2110*	1480	7.12
1.5 m				6430*	5000	5280	2820	3390	1870	2250*	1410	7.19
0 m				6820*	4770	5090	2660	3300	1790	2540*	1460	6.94
-1.5 m	5360*	5360*		10110*	4760	5040	2620	3290	1770	3060	1660	6.33
-3.0 m	9520*	9520*		8270*	4900	5120	2690			4130	2220	5.21

* 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.

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 4.6 m, arm 3.10 m, 1700 kg counterweight

7.5 m											2150*	2150*	5.13
6.0 m							2670*	2340			1860*	1860*	6.43
4.5 m							3310*	2310			1770*	1660	7.20
3.0 m			6350*	6350*	4690*	3470	3530	2210	2090*	1510	1790*	1480	7.58
1.5 m			9370*	5840	5330	3190	3400	2080	2400	1460	1900*	1410	7.65
0 m			7170*	5460	5100	2990	3290	1980			2120*	1450	7.42
-1.5 m	4710*	4710*	9570*	5380	5010	2910	3240	1940			2570*	1620	6.85
-3.0 m	7920*	7920*	9090*	5470	5040	2940					3430	2070	5.84

REAR BLADE UP - Mono boom 4.6 m, arm 3.10 m, 1700 kg counterweight

7.5 m											2150*	2150*	5.13
6.0 m							2670*	2120			1860*	1850	6.43
4.5 m							3310*	2090			1770*	1490	7.20
3.0 m			6350*	5900	4690*	3130	3530	1990	2090*	1350	1790*	1320	7.58
1.5 m			9370*	5150	5330	2860	3400	1870	2400	1310	1900*	1260	7.65
0 m			7170*	4780	5100	2660	3290	1770			2120*	1290	7.42
-1.5 m	4710*	4710*	9570*	4710	5010	2580	3240	1730			2570*	1440	6.85
-3.0 m	7920*	7920*	9090*	4790	5040	2610					3430	1840	5.84

REAR BLADE DOWN - Mono boom 4.6 m, arm 2.0 m, 2200 kg counterweight

7.5 m													
6.0 m					4420*	4000					3330*	3180	5.15
4.5 m					4790*	3890	3600*	2460			3110*	2410	6.08
3.0 m					5740*	3670	3780	2400			3140*	2100	6.53
1.5 m					5680	3460	3680	2320			3190	2010	6.62
0 m			6510*	6090	5550	3350	3620	2260			3350	2100	6.34
-1.5 m	6490*	6490*	9460*	6150	5540	3340					3960	2470	5.66
-3.0 m			6990*	6340							4600*	3630	4.37

REAR BLADE UP - Mono boom 4.6 m, arm 2.0 m, 2200 kg counterweight

7.5 m													
6.0 m					4420*	3630					3330*	2900	5.15
4.5 m					4790*	3540	3600*	2240			3110*	2190	6.08
3.0 m					5740*	3320	3780	2180			3140*	1900	6.53
1.5 m					5680	3110	3680	2090			3190	1820	6.62
0 m			6510*	5380	5550	3000	3620	2040			3350	1900	6.34
-1.5 m	6490*	6490*	9460*	5430	5540	3000					3960	2220	5.66
-3.0 m			6990*	5610							4600*	3270	4.37

REAR BLADE DOWN - Mono boom 4.6 m, arm 2.45 m, 2200 kg counterweight

7.5 m											2890*	2890*	4.16
6.0 m					3880*	3880*					2390*	2390*	5.70
4.5 m					4330*	3940	3790*	2490			2250*	2140	6.55
3.0 m			7850*	6880	5330*	3710	3790	2410			2260*	1890	6.97
1.5 m			5690*	5690*	5700	3470	3670	2300			2410*	1810	7.05
0 m			6760*	6030	5530	3320	3590	2230			2740*	1880	6.79
-1.5 m	5600*	5600*	9980*	6050	5490	3290	3590	2230			3430*	2150	6.16
-3.0 m			7990*	6200	5350*	3370					4450*	2930	5.01













REAR BLADE UP - Mono boom 4.6 m, arm 2.45 m, 2200 kg counterweight

7.5 m											2890*	2890*	4.16
6.0 m					3880*	3700					2390*	2390*	5.70
4.5 m					4330*	3580	3790*	2260			2250*	1940	6.55
3.0 m			7850*	6130	5330*	3360	3790	2180			2260*	1710	6.97
1.5 m			5690*	5510	5700	3120	3670	2080			2410*	1630	7.05
0 m			6760*	5320	5530	2980	3590	2010			2740*	1690	6.79
-1.5 m	5600*	5600*	9980*	5330	5490	2940	3590	2000			3430*	1940	6.16
-3.0 m			7990*	5480	5350*	3020					4450*	2640	5.01

* 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

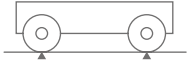
WX140E MONO

		REACH												
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max reach		m
Front	Side													
REAR BLADE DOWN - Mono boom 4.6 m, arm 2.60 m, 2200 kg counterweight														
7.5 m												2660*	2660*	4.40
6.0 m												2230*	2230*	5.87
4.5 m						4180*	3970	3720*	2510			2100*	2070	6.70
3.0 m				7510*	6950	5190*	3730	3800	2420			2110*	1830	7.12
1.5 m				6430*	6250	5710	3480	3680	2310			2250*	1760	7.19
0 m				6820*	6020	5520	3320	3590	2230			2540*	1820	6.94
-1.5 m	5360*	5360*		10110*	6010	5740	3270	3570	2210			3140*	2070	6.33
-3.0 m	9520*	9520*		8270*	6150	5550	3340					4400*	2760	5.21
REAR BLADE UP - Mono boom 4.6 m, arm 2.60 m, 2200 kg counterweight														
7.5 m												2660*	2660*	4.40
6.0 m												2230*	2230*	5.87
4.5 m						4180*	3610	3720*	2280			2100*	1870	6.70
3.0 m				7510*	6200	5190*	3380	3800	2190			2110*	1660	7.12
1.5 m				6430*	5530	5710	3130	3680	2080			2250*	1580	7.19
0 m				6820*	5300	5520	2970	3590	2000			2540*	1640	6.94
-1.5 m	5360*	5360*		10110*	5300	5740	2930	3570	1990			3140*	1860	6.33
-3.0 m	9520*	9520*		8270*	5430	5550	3000					4400*	2480	5.21
REAR BLADE DOWN - Mono boom 4.6 m, arm 3.10 m, 2200 kg counterweight														
7.5 m												2150*	2150*	5.13
6.0 m								2670*	2570			1860*	1860*	6.43
4.5 m								3310*	2530			1770*	1770*	7.20
3.0 m				6350*	6350*	4690*	3800	3820	2430	2090*	1680	1790*	1650	7.58
1.5 m				9370*	6410	5760	3520	3680	2310	2510*	1640	1900*	1580	7.65
0 m				7170*	6030	5530	3320	3570	2210			2120*	1630	7.42
-1.5 m	4710*	4710*		9570*	5960	5430	3230	3530	2170			2570*	1810	6.85
-3.0 m	7920*	7920*		9090*	6040	5460	3260					3610*	2300	5.84
REAR BLADE UP - Mono boom 4.6 m, arm 3.10 m, 2200 kg counterweight														
7.5 m												2150*	2150*	5.13
6.0 m								2670*	2340			1860*	1860*	6.43
4.5 m								3310*	2300			1770*	1670	7.20
3.0 m				6350*	6350*	4690*	3440	3820	2200	2090*	1520	1790*	1490	7.58
1.5 m				9370*	5680	5760	3170	3680	2080	2510*	1470	1900*	1420	7.65
0 m				7170*	5320	5530	2970	3570	1980			2120*	1460	7.42
-1.5 m	4710*	4710*		9570*	5240	5430	2890	3530	1940			2570*	1630	6.85
-3.0 m	7920*	7920*		9090*	5320	5460	2920					3610*	2060	5.84

* 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

WX140E MONO



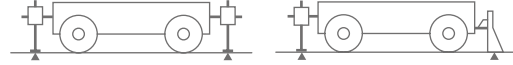
QUICK COUPLED - ON WHEELS

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					
0.21	450	250	○	○	○
0.31	600	290	○	○	○
0.41	750	330	○	●	●
0.52	900	360	●	▲	■
0.58	1000	400	▲	■	-
0.66	1100	430	■	-	-

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					
0.21	450	350	○	○	○
0.31	600	400	○	○	●
0.42	750	460	○	●	■
0.45	800	470	○	●	■
0.52	900	510	●	■	-
0.60	1000	550	■	-	-

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					
0.54	1830	480	●	■	-



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					
0.21	450	250	○	○	○
0.31	600	290	○	○	○
0.41	750	330	○	●	●
0.52	900	360	●	▲	■
0.58	1000	400	▲	■	■
0.66	1100	430	▲	■	-
0.73	1200	450	■	-	-

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					
0.21	450	350	○	○	○
0.31	600	400	○	○	●
0.42	750	460	○	●	▲
0.45	800	470	○	●	■
0.52	900	510	●	▲	■
0.60	1000	550	▲	■	-

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 2.00m	Arm 2.45 m 2.60 m	Arm 3.10 m
DITCH CLEANING BUCKETS					
0.54	1830	480	●	▲	■

○ 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

WX140E MONO (HEAVY COUNTERWEIGHT)



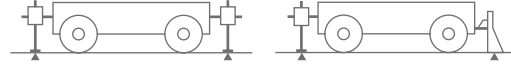
QUICK COUPLED - ON WHEELS

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					
0.21	450	250	○	○	○
0.31	600	290	○	○	○
0.41	750	330	○	○	●
0.52	900	360	○	●	▲
0.58	1000	400	●	▲	■
0.66	1100	430	▲	■	-
0.73	1200	450	▲	■	-

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					
0.21	450	350	○	○	○
0.31	600	400	○	○	○
0.42	750	460	○	○	●
0.45	800	470	○	●	■
0.52	900	510	○	●	■
0.60	1000	550	●	■	-
0.67	1100	580	■	-	-

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	▲	■	-
0.80	2000	550	■	-	-

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					
0.54	1830	480	○	●	■



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					
0.21	450	250	○	○	○
0.31	600	290	○	○	○
0.41	750	330	○	○	●
0.52	900	360	○	●	▲
0.58	1000	400	●	▲	▲
0.66	1100	430	▲	■	■
0.73	1200	450	▲	■	-

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					
0.21	450	350	○	○	○
0.31	600	400	○	○	○
0.42	750	460	○	○	●
0.45	800	470	○	●	▲
0.52	900	510	○	●	■
0.60	1000	550	●	▲	■
0.67	1100	580	▲	■	-

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	●	▲	■
0.80	2000	550	▲	■	-

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					
0.54	1830	480	○	●	▲

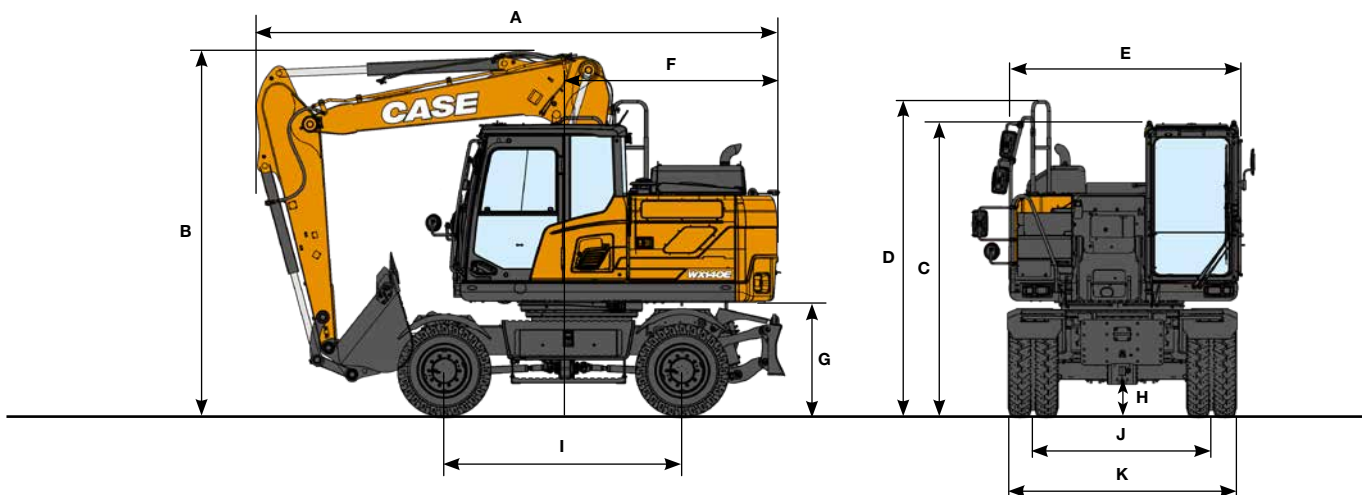
○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³

▲ 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

SPECIFICATIONS

WX140E 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	5815 / 7800	5845 / 7795	5785 / 7810
B Overall height (to top of boom) (traveling/transportation)	mm	3950 / 2770	3950 / 2720	3950 / 2810
C Cab height	mm	3255	3255	3255
D Overall height (to top of handrail)	mm	3475	3475	3475
E Upper structure overall width	mm	2485	2485	2485
F Swing (rear end) radius	mm	2170	2170	2170
G Clearance height	mm	1260	1260	1260
H Minimum ground clearance	mm	390	390	390
I Wheel base (center to center of wheels)	mm	2600	2600	2600
J Tread	mm	1944	1944	1944
K Undercarriage overall width	mm	2530	2530	2530

WEIGHT

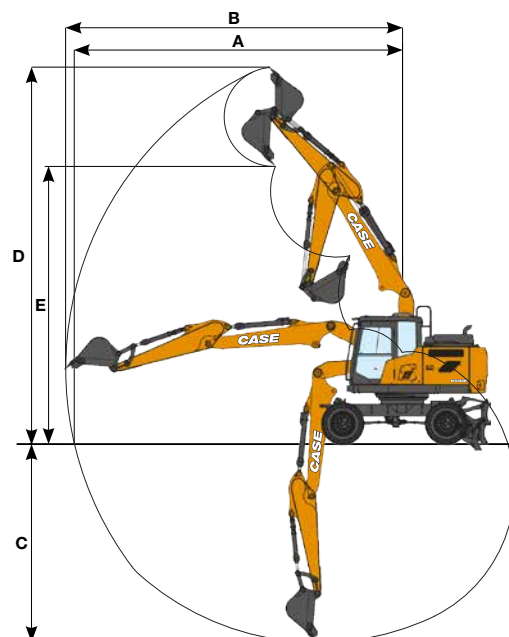
With 2.45 m arm, 0.58 m³ bucket, 10.00×20 twin tires, standard counterweight, operator, lubricant, coolant, full fuel tank.

2-PIECE BOOM	WEIGHT
Rear blade	15860 kg
Front blade and rear stabilizers	16790 kg

Counterweight: 2200 kg









PERFORMANCE DATA		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
Boom length	mm	4748	4748	4748
A Maximum reach at GRP	mm	8270	7820	8420
B Maximum reach	mm	8490	8050	8630
C Max. digging depth	mm	5000	4550	5150
D Max. digging height	mm	9480	9120	9600
E Max. dumping height	mm	6990	6640	7110
F Min. swing radius	mm	2600	2620	2650

DIGGING FORCE (ISO 6015)		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
Arm digging force	kN	66	78	64
with Auto power up	kN	72	85	69
Bucket digging force	kN	103	103	103
with Auto power up	kN	112	112	112



LIFTING CAPACITY

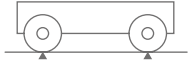
WX140E 2-PIECE BOOM

		REACH									
		3.0 m		4.5 m		6.0 m		At max reach		m	
Front	Side										
REAR BLADE DOWN - 2-piece boom 4.748 m, arm 2.0 m, 2200 kg counterweight											
7.5 m				4210*	4020			4410*	4410*	3.69	
6.0 m								3470*	2970	5.37	
4.5 m	5800*	5800*		4630*	3890	3870	2460	3200*	2280	6.26	
3.0 m				5580*	3650	3780	2390	3170	2000	6.71	
1.5 m				5670	3420	3680	2300	3070	1920	6.79	
0 m	4830*	4830*		5540	3310	3620	2240	3220	2010	6.52	
-1.5 m	9500*	6110		5540	3310			3780	2340	5.86	
REAR BLADE UP - 2-piece boom 4.748 m, arm 2.0 m, 2200 kg counterweight											
7.5 m								4410*	4410*	3.69	
6.0 m				4210*	3650			3470*	2690	5.37	
4.5 m	5800*	5800*		4630*	3530	3870	2230	3200*	2060	6.26	
3.0 m				5580*	3290	3780	2160	3170	1810	6.71	
1.5 m				5670	3070	3680	2070	3070	1730	6.79	
0 m	4830*	4830*		5540	2960	3620	2010	3220	1810	6.52	
-1.5 m	9500*	5380		5540	2960			3780	2120	5.86	
REAR BLADE DOWN - 2-piece boom 4.748 m, arm 2.45 m, 2200 kg counterweight											
7.5 m								3030*	3030*	4.46	
6.0 m				3710*	3710*			2500*	2500*	5.92	
4.5 m				4190*	3950	3880*	2490	2320*	2030	6.74	
3.0 m				5190*	3690	3800	2400	2300*	1800	7.15	
1.5 m				5690	3440	3670	2280	2410*	1730	7.23	
0 m	5270*	5270*		5520	3290	3590	2210	2670*	1800	6.98	
-1.5 m	9410*	6000		5480	3250	3580	2200	3220*	2050	6.37	
REAR BLADE UP - 2-piece boom 4.748 m, arm 2.45 m, 2200 kg counterweight											
7.5 m								3030*	3030*	4.46	
6.0 m				3710*	3710*			2500*	2310	5.92	
4.5 m				4190*	3580	3880*	2260	2320*	1830	6.74	
3.0 m				5190*	3330	3800	2160	2300*	1620	7.15	
1.5 m				5690	3080	3670	2060	2410*	1550	7.23	
0 m	5270*	5250		5520	2940	3590	1980	2670*	1610	6.98	
-1.5 m	9410*	5280		5480	2900	3580	1970	3220*	1840	6.37	
FRONT BLADE & REAR STABILIZERS DOWN - 2-piece boom 4.748 m, arm 2.45 m, 2200 kg counterweight											
7.5 m								3040*	3040*	4.46	
6.0 m				3720*	3720*			2500*	2500*	5.92	
4.5 m				4200*	4200*	3880*	3880*	2320*	2320*	6.74	
3.0 m				5190*	5190*	4250*	4070	2310*	2310*	7.15	
1.5 m				6220*	6110	4700*	3950	2410*	2410*	7.23	
0 m	5270*	5270*		6790*	5930	4980*	3860	2680*	2680*	6.98	
-1.5 m	9410*	9410*		6690*	5900	4780*	3860	3230*	3230*	6.37	
FRONT BLADE & REAR STABILIZERS UP - 2-piece boom 4.748 m arm 2.45 m 2200 kg counterweight											
7.5 m								3040*	3040*	4.46	
6.0 m				3720*	3720*			2500*	2500*	5.92	
4.5 m				4200*	4200*	3880*	2860	2320*	2320*	6.74	
3.0 m				5190*	4250	3890	2760	2310*	2090	7.15	
1.5 m				5830	3990	3770	2650	2410*	2020	7.23	
0 m	5270*	5270*		5660	3830	3680	2570	2680*	2100	6.98	
-1.5 m	9410*	7070		5620	3800	3680	2570	3230*	2390	6.37	
REAR BLADE DOWN - 2-piece boom 4.748 m, arm 2.60 m, 2200 kg counterweight											
7.5 m				3340*	3340*			2790*	2790*	4.70	
6.0 m				3560*	3560*	2730*	2520	2330*	2330*	6.10	
4.5 m				4050*	3980	3770*	2510	2170*	1960	6.90	
3.0 m	7450*	6900		5050*	3710	3810	2400	2150*	1750	7.30	
1.5 m				5700	3440	3680	2290	2250*	1680	7.37	
0 m	5350*	5350*		5510	3280	3580	2200	2480*	1740	7.13	
-1.5 m	9050*	5960		5460	3240	3570	2190	2970*	1970	6.53	
3.0 m				5550	3310						
REAR BLADE UP - 2-piece boom 4.748 m, arm 2.60 m, 2200 kg counterweight											
7.5 m				3340*	3340*			2790*	2790*	4.70	
6.0 m				3560*	3560*	2730*	2280	2330*	2210	6.10	
4.5 m				4050*	3610	3770*	2270	2170*	1770	6.90	
3.0 m	7450*	6140		5050*	3350	3810	2170	2150*	1570	7.30	
1.5 m				5700	3090	3680	2060	2250*	1510	7.37	
0 m	5350*	5230		5510	2930	3580	1980	2480*	1560	7.13	
-1.5 m	9050*	5240		5460	2890	3570	1960	2970*	1760	6.53	
3.0 m				5550	2960						

* 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

WX140E 2-PIECE BOOM



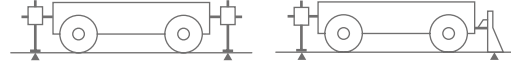
QUICK COUPLED - ON WHEELS

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
GENERAL PURPOSE BUCKETS				
0.21	450	250	○	○
0.31	600	290	○	○
0.41	750	330	○	○
0.52	900	360	○	●
0.58	1000	400	●	▲
0.66	1100	430	▲	■
0.73	1200	450	■	-

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
HEAVY DUTY BUCKETS				
0.21	450	350	○	○
0.31	600	400	○	○
0.42	750	460	○	●
0.45	800	470	○	●
0.52	900	510	●	▲
0.60	1000	550	▲	■
0.67	1100	580	■	-

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	■	-

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	480	●	▲



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				
0.21	450	250	○	○
0.31	600	290	○	○
0.41	750	330	○	○
0.52	900	360	○	●
0.58	1000	400	●	▲
0.66	1100	430	▲	■
0.73	1200	450	■	■

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.00 m	Arm 2.45 m 2.60 m
HEAVY DUTY BUCKETS				
0.21	450	350	○	○
0.31	600	400	○	○
0.42	750	460	○	○
0.45	800	470	○	●
0.52	900	510	●	▲
0.60	1000	550	▲	▲
0.67	1100	580	▲	■

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	▲	■
0.80	2000	550	■	-

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	480	○	●

○ 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