



CASE
CONSTRUCTION

E SERIES WHEELED EXCAVATORS



WX155E SR | WX175E SR

SPECIFICATIONS

WX175E SR

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) _____ 992
Boom positioning (2 piece boom only)
 Bore (mm) _____ 160
 Stroke (mm) _____ 624
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) _____ 9.5
 Swing torque (kNm) _____ 39.1
 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) _____ 91
 Gradeability _____ 58% (30°)

NOISE

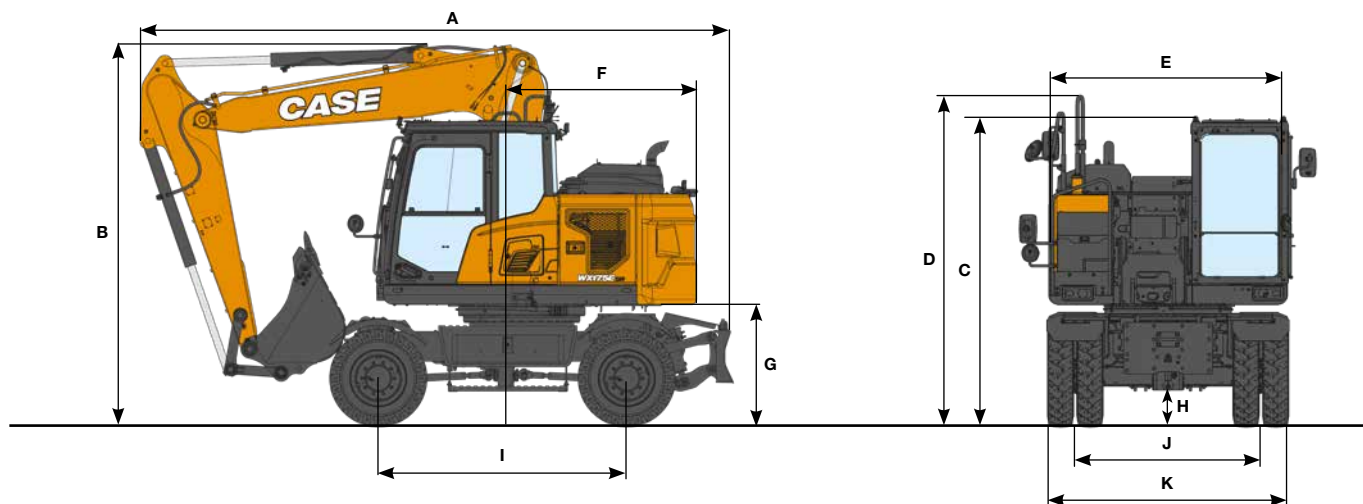
External guaranteed sound level
 (EU Directive 2000/14/EC) _____ LwA 100 dB(A)
 Operator cab sound pressure level (ISO 6396) _____ LpA 71 dB(A)

CIRCUIT AND COMPONENT CAPACITIES

Fuel tank (l) _____ 200
 Hydraulic system (l) _____ 187
 Hydraulic tank (l) _____ 103
 AdBlue tank (l) _____ 48

DIMENSIONS

WX175E SR 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	6310 / 7860	6340 / 7900	6250 / 7820
B Overall height (to top of boom) (traveling/transportation)	mm	3940 / 2900	3940 / 2940	3960 / 3150
C Cab height	mm	3220	3220	3220
D Overall height (to top of handrail)	mm	3275	3275	3275
E Upper structure overall width	mm	2500	2500	2500
F Swing (rear end) radius	mm	1830	1830	1830
G Clearance height under upper structure	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

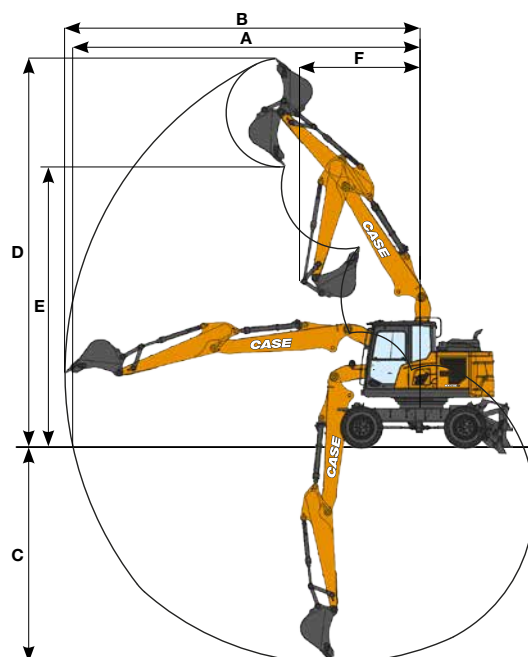
With 2.45 m arm, 0.70 m³ bucket, 10.00×20 twin tires, operator, lubricant, coolant, full fuel tank.

2-PIECE BOOM	WEIGHT
Rear blade	18820 kg
Front blade and rear stabilizers	20040 kg

Counterweight: 4200 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	8750	8280	8820
B Maximum reach	mm	8950	8490	9020
C Max. digging depth	mm	5440	4980	5565
D Max. digging height	mm	9785	9370	9680
E Max. dumping height	mm	7060	6660	6980
F Min. swing radius	mm	3040	3380	3500

DIGGING FORCE (ISO 6015)		Arm 2.45 m	Arm 2.00 m	Arm 2.60 m
Arm digging force	kN	70	89	70
with Auto power up	kN	77	98	76
Bucket digging force	kN	115	115	115
with Auto power up	kN	125	125	126



LIFTING CAPACITY











WX175E SR 2-PIECE BOOM

Front Side		REACH										
		3.0 m		4.5 m		6.0 m		7.5 m		At max reach		m
REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.0 m, 4200 kg counterweight												
7.5 m										4790*	4790*	4.19
6.0 m			4310*	4310*						4390*	3240	5.75
4.5 m			4930*	4680	4350*	3000				4000	2550	6.60
3.0 m			6070*	4350	4560	2880				3570	2250	7.03
1.5 m			6770	4070	4430	2750				3450	2160	7.12
0 m			6630	3940	4340	2680				3600	2240	6.87
-1.5 m	10340*	7320	6630	3950	4360	2690				4140	2570	6.24
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.0 m, 4200 kg counterweight												
7.5 m										4790*	4790*	4.19
6.0 m			4310*	4310*						4390*	2920	5.75
4.5 m			4930*	4220	4350*	2700				4000	2290	6.60
3.0 m			6070*	3900	4560	2590				3570	2020	7.03
1.5 m			6770	3620	4430	2460				3450	1930	7.12
0 m			6630	3500	4340	2390				3600	2000	6.87
-1.5 m	10340*	6400	6630	3510	4360	2400				4140	2290	6.24
REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.45 m, 4200 kg counterweight												
7.5 m			4040*	4040*						3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	3070				2780*	2780*	6.31
4.5 m			4470*	4470*	4010*	3020				2600*	2260	7.10
3.0 m			5630*	4410	4480*	2880	2610*	2020		2590*	2020	7.50
1.5 m			6770*	4080	4420	2740	3180	1980		2700*	1940	7.58
0 m			6600	3910	4310	2640				2980*	2010	7.35
-1.5 m	9110*	7170	6560	3880	4280	2620				3530*	2250	6.77
-3.0 m			6380*	3970								
REAR BLADE DOWN (WIDE AXLES) - 2-piece boom 5.097 m, arm 2.45 m, 4200 kg counterweight												
7.5 m			4040*	4040*						3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	3450				2780*	2780*	6.31
4.5 m			4470*	4470*	4010*	3400				2600*	2560	7.10
3.0 m			5630*	5000	4480*	3260	2610*	2290		2590*	2290	7.50
1.5 m			*6770*	4670	4440	3110	3190	2250		2700*	2210	7.58
0 m			6630	4490	4330	3010				2980*	2290	7.35
-1.5 m	9110*	8420	6590	4460	4300	2990				3530*	2570	6.77
-3.0 m			6380*	4550								
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.45 m, 4200 kg counterweight												
7.5 m			4040*	4040*						3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	2770				2780*	2510	6.31
4.5 m			4470*	4290	4010*	2730				2600*	2030	7.10
3.0 m			5630*	3950	4480*	2590	2610*	1810		2590*	1810	7.50
1.5 m			6770*	3640	4420	2450	3180	1760		2700*	1730	7.58
0 m			6600	3470	4310	2350				2980*	1790	7.35
-1.5 m	9110*	6260	6560	3430	4280	2330				3530*	2010	6.77
-3.0 m			6380*	3520								
REAR BLADE UP (WIDE AXLES) - 2-piece boom 5.097 m, arm 2.45 m, 4200 kg counterweight												
7.5 m			4040*	4040*						3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	3060				2780*	2780*	6.31
4.5 m			4470*	4470*	4010*	3010				2600*	2250	7.10
3.0 m			5630*	4390	4480*	2880	2610*	2020		2590*	2020	7.50
1.5 m			6770*	4070	4440	2730	3190	1970		2700*	1940	7.58
0 m			6630	3900	4330	2630				2980*	2000	7.35
-1.5 m	9110*	7140	6590	3870	4300	2610				3530*	2250	6.77
-3.0 m			6380*	3960								

* 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

WX175E SR 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, 4200 kg counterweight

7.5 m			4040*	4040*					3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	3900*			2780*	2780*	6.31
4.5 m			4470*	4470*	4010*	4010*			2600*	2600*	7.10
3.0 m			5630*	5630*	4480*	4480*	2610*	2610*	2590*	2590*	7.50
1.5 m			6770*	6770*	5020*	4740	3510*	3420	2700*	2700*	7.58
0 m			7380*	7110	5370*	4630			2980*	2980*	7.35
-1.5 m	9110*	9110*	7310*	7070	5300*	4610			3530*	3530*	6.77
-3.0 m			6380*	6380*							

FRONT BLADE & REAR STABILIZERS UP - 2-piece boom 5.097 m, arm 2.45 m, 4200 kg counterweight

7.5 m			4040*	4040*					3280*	3280*	4.95
6.0 m			3820*	3820*	3900*	3500			2780*	2780*	6.31
4.5 m			4470*	4470*	4010*	3450			2600*	2600*	7.10
3.0 m			5630*	5060	4480*	3310	2610*	2340	2590*	2340	7.50
1.5 m			6770*	4730	4470	3170	3220	2290	2700*	2260	7.58
0 m			6670	4550	4360	3070			2980*	2330	7.35
-1.5 m	9110*	8440	6640	4520	4340	3040			3530*	2620	6.77
-3.0 m			6380*	4610							

REAR BLADE DOWN - 2-piece boom 5.097 m, arm 2.60 m, 4200 kg counterweight

7.5 m			3810*	3810*					3480*	3480*	5.15
6.0 m			3660*	3660*	3740*	3090			2990*	2680	6.47
4.5 m			4310*	4310*	3900*	3030			2830*	2190	7.24
3.0 m			5480*	4430	4390*	2890	3230	2020	2820*	1960	7.63
1.5 m			6660*	4090	4420	2740	3170	1970	2950*	1890	7.71
0 m			6590	3900	4300	2630			3150	1940	7.48
-1.5 m	8880*	7130	6540	3850	4270	2600			3520	2170	6.91
-3.0 m			6510*	3930							

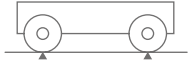
REAR BLADE UP - 2-piece boom 5.097 m, arm 2.60 m, 4200 kg counterweight

7.5 m			3810*	3810*					3480*	3480*	5.15
6.0 m			3660*	3660*	3740*	2790			2990*	2420	6.47
4.5 m			4310*	4310*	3900*	2740			2830*	1970	7.24
3.0 m			5480*	3970	4390*	2600	3230	1810	2820*	1750	7.63
1.5 m			6660*	3640	4420	2450	3170	1760	2950*	1680	7.71
0 m			6590	3460	4300	2340			3150	1730	7.48
-1.5 m	8880*	6210	6540	3410	4270	2310			3520	1930	6.91
-3.0 m			6510*	3490							

* 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

WX175E SR 2-PIECE BOOM



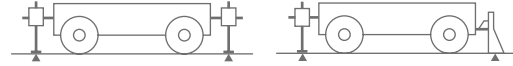
QUICK COUPLED - ON WHEELS

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	■	-

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	■	-

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				
0.86	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				
0.21	450	350	○	○
0.31	600	390	○	○
0.41	750	440	○	●
0.52	900	480	●	▲
0.58	1000	500	▲	■
0.66	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	■	■

○ 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