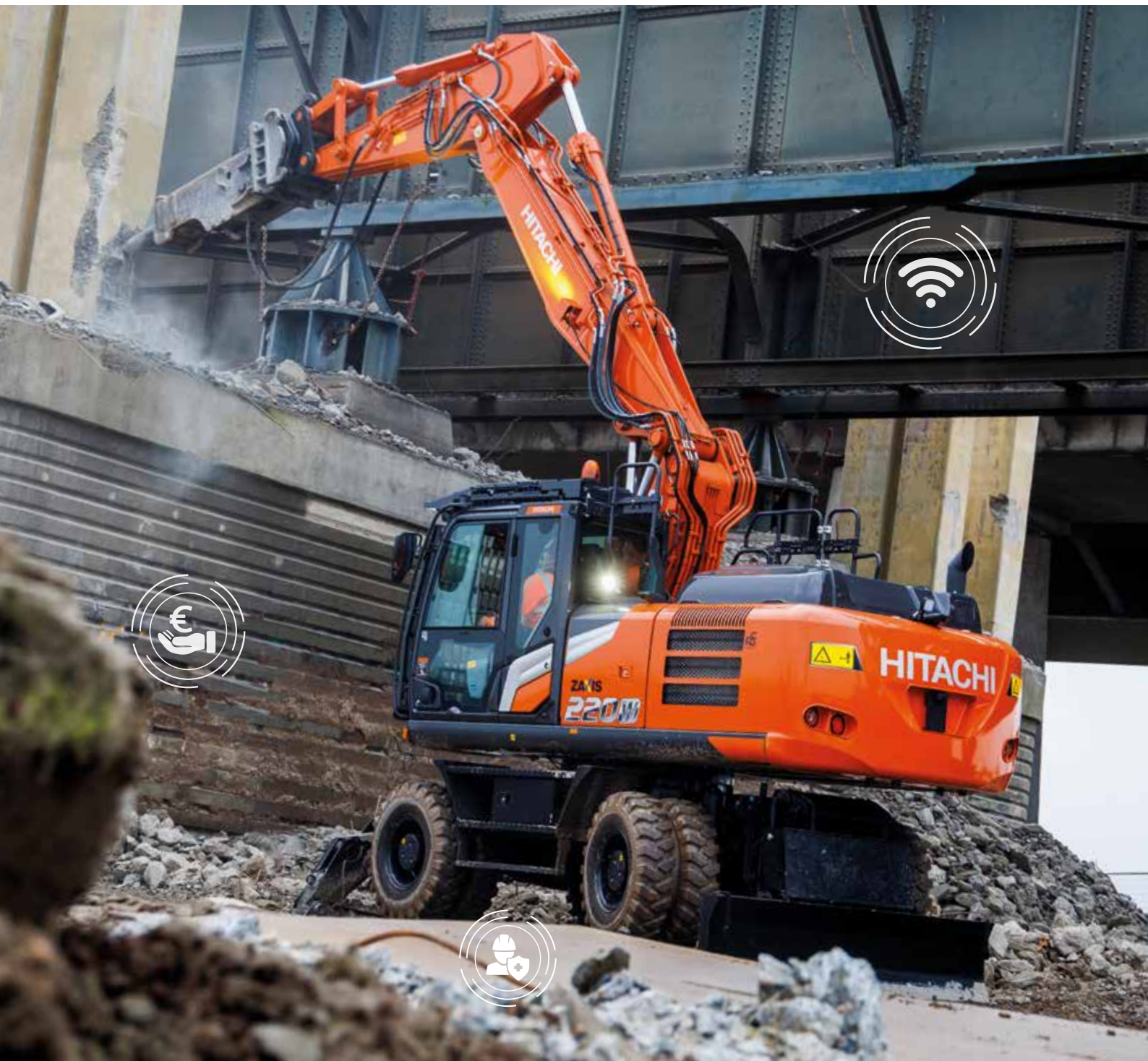


ZAXIS-7 series

HITACHI

Reliable solutions

ZAXIS220W



HYDRAULIC EXCAVATOR

Model code : ZX220W-7

Engine rated power : 128 kW

Operating weight : 20 100 – 24 900 kg

Bucket ISO heaped : 0.51 – 1.20 m³

SPECIFICATIONS

ENGINE

Model	Isuzu 4HK1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	DOC+CSF+SCR system
No. of cylinders	4
Rated power	
ISO 14396 : 2002 gross	128.4 kW at 2 000 min ⁻¹
ISO 9249 : 2007 net	122 kW at 2 000 min ⁻¹
Maximum torque	670 Nm at 1 600 min ⁻¹
Piston displacement	5.193 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V / 126 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	1 x 212 L/min
Maximum oil flow	1 x 218 L/min

Pilot pump	1 gear pump
Maximum oil flow	27.6 L/min

Steering pump	1 gear pump
Maximum oil flow	26.7 L/min

Hydraulic Motors

Travel	1 variable displacement axial piston motor
Swing	1 axial piston motor

Relief Valve Settings

Implement circuit	34.3 MPa
Swing circuit	30.2 MPa
Travel circuit	35.3 MPa
Pilot circuit	4.0 MPa
Power boost	38.3 MPa

Hydraulic Cylinders

Unit: mm

	Quantity	Bore	Rod diameter
Boom (Monoblock boom)	2	125	85
Boom (2-piece boom)	2	130	85
Arm	1	135	95
Bucket	1	115	80
Positioning (2-Piece boom)	1	180	110

UPPERSTRUCTURE

Revolving Frame

D-section frame for resistance to deformation.

Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is singlerow. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	11.9 min ⁻¹
Swing torque	59.1 kNm

UNDERCARRIAGE

Wheeled type undercarriage. The frame is of welded, stress-relieved structure.

Drive system: 2 speed power shift transmission and variable displacement axial piston type travel motor.

Travel Speed (forward and reverse)

Max. travel speed	High : 27.5 km/h
	Low : 7.4 km/h
	Creeper : 2.9 km/h

Maximum traction force ... 118 kN

Gradeability 60% (31 degree) continuous

Min. turning radius 7 200 mm

Axle:

All-wheel drive.

The front axle can be locked hydraulically in any position.

Oscillating Front Axle ... ± 6°

Brakes system:

Maintenance free wet-disc brakes on axle are standard.

Fully hydraulic service brake system

ENVIRONMENT

Engine Emissions

EU Stage V

Sounds Level

Sound level in cab according to ISO 6396 : 2008 LpA 71 dB(A)

External sound level according to ISO 6395 : 2008 and

EU Directive 2000/14/EC LwA 101 dB(A)

Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases.

Refrigerant type: HFC-134a, GWP: 1430, Amount: 0.85 kg, CO₂e: 1.22 ton.

SERVICE REFILL CAPACITIES

Unit: L

	ZX220W-7
Fuel tank	330.0
Engine coolant	28.0
Engine oil	23.0
Swing device	6.9
Transmission	2.5
Hydraulic system	310.0
Hydraulic oil tank	115.0
DEF/AdBlue® tank	34.5
Front differential gear (STD axle)	11.0
Rear differential gear (STD axle)	14.5
Hub reduction gear	
Front axle (STD axle)	2 x 2.5
Rear axle (STD axle)	2 x 2.5

WEIGHTS

Operating Weight

Arm length	Stabilization	ZX220W-7	
		Monoblock	2-Piece
		Standard gauge / Wide gauge	Standard gauge / Wide gauge
		kg	kg
2.41 m	Rear blade	–	20 800
	Rear outrigger	–	21 100
	Outrigger and blade	–	22 100
	Front and rear outrigger	–	22 400
2.61 m	Rear blade	–	20 800
	Rear outrigger	–	21 200
	Outrigger and blade	–	22 200
	Front and rear outrigger	–	22 500
2.91 m	Rear blade	–	20 900
	Rear outrigger	–	21 200
	Outrigger and blade	–	22 200
	Front and rear outrigger	–	22 500
2.42 m	Rear blade	20 100	–
	Rear outrigger	20 400	–
	Outrigger and blade	21 400	–
	Front and rear outrigger	21 800	–
2.91 m	Rear blade	20 200	–
	Rear outrigger	20 500	–
	Outrigger and blade	21 500	–
	Front and rear outrigger	21 900	–

Including 0.80 m³ (ISO 7451 : 2007 heaped), bucket weight (660 kg) and counterweight (2 600 kg).

Counterweight : Standard 2 600 kg, Optional 4 300 kg and 5 000 kg

BUCKET AND ARM DIGGING FORCE

Unit: kN

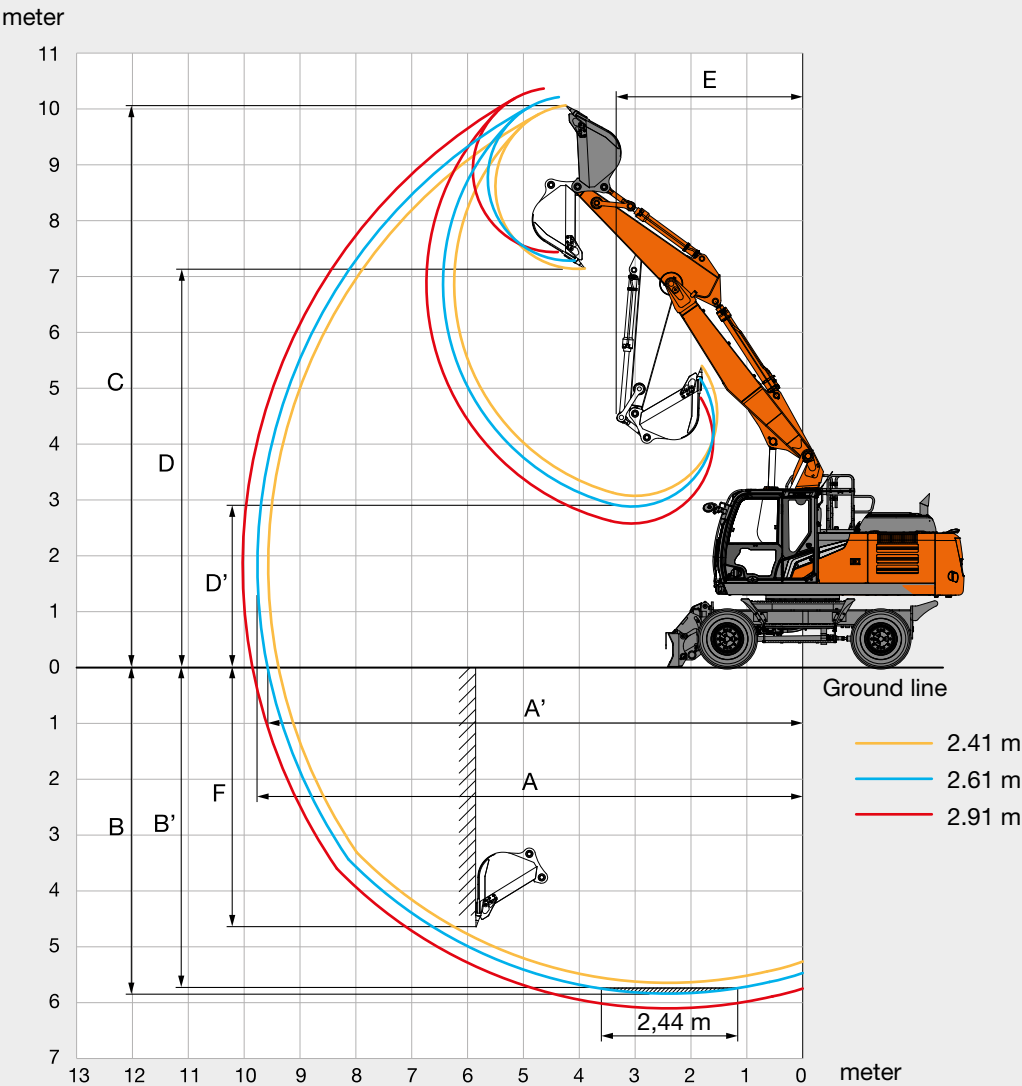
Boom Type	ZX220W-7				
	Monoblock boom		2-Piece boom		
	2.42 m	2.91 m	2.41 m	2.61 m	2.91 m
Bucket digging force* ISO 6015 : 2006	158	158	158	158	158
Arm crowd force* ISO 6015 : 2006	140	114	125	119	114

* At power boost

SPECIFICATIONS

ZX220W-7

WORKING RANGES: 2-PIECE BOOM



Unit: mm

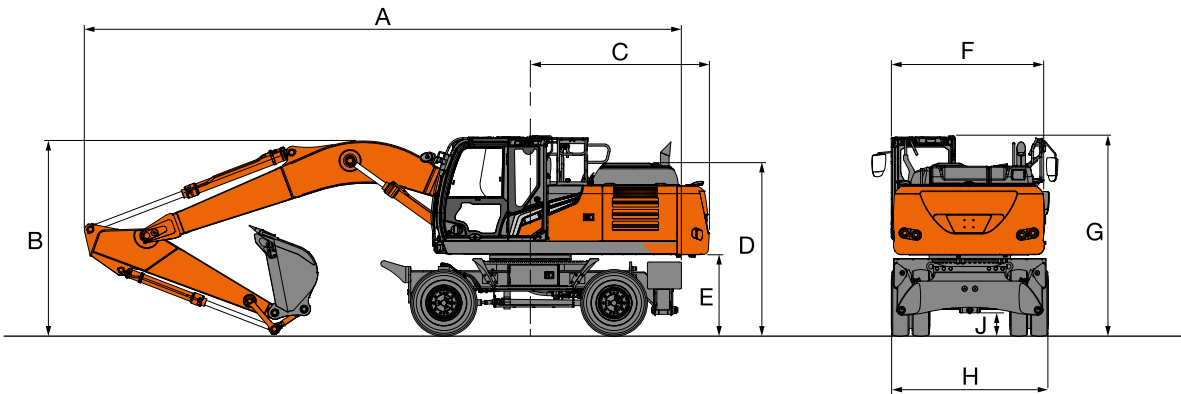
Front type	ZX220W-7		
	2-Piece boom		
Arm length	2.41m	2.61 m	2.91 m
A Max. digging reach	9 570	9 760	10 030
A' Max. digging reach (on ground)	9 380	9 580	9 850
B Max. digging depth	5 650	5 840	6 140
B' Max. digging depth for 2.44 m level	5 550	5 750	6 050
C Max. cutting height	10 070	10 210	10 370
D Max. dumping height	7 140	7 280	7 440
D' Min. dumping height	3 070	2 880	2 580
E Min. swing radius	3 330	3 400	3 420
F Max. vertical wall digging depth	4 820	5 030	5 340

SPECIFICATIONS

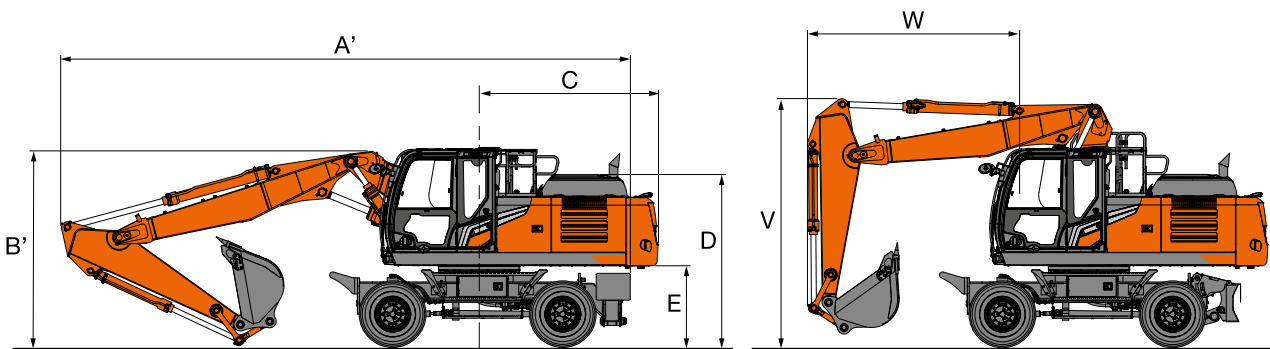
ZX220W-7

DIMENSIONS

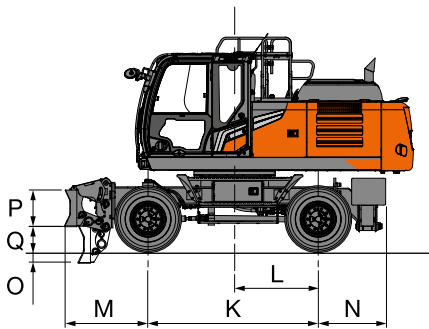
MONOBLOCK BOOM



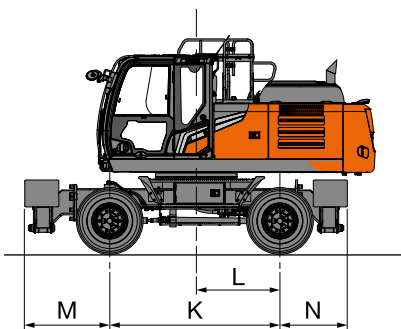
2-PIECE BOOM



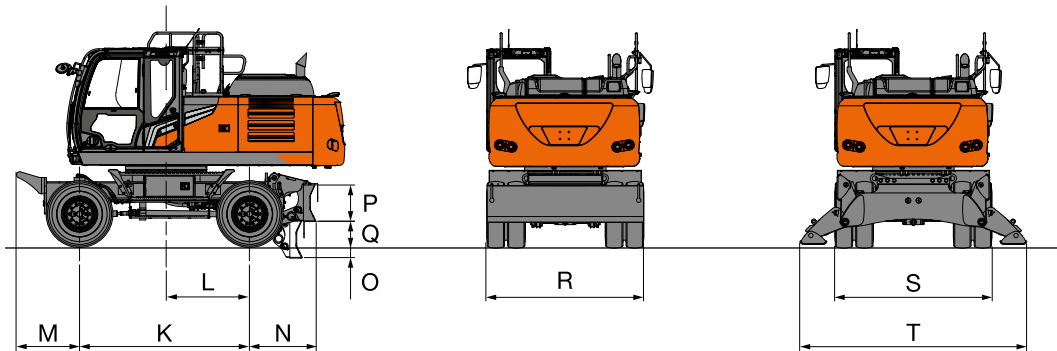
FRONT BLADE AND REAR OUTRIGGER



FRONT AND REAR OUTRIGGER



REAR BLADE



SPECIFICATIONS

ZX220W-7

DIMENSIONS

Unit: mm

ZX220W-7						
	Stabilizer Type	Rear BL	Rear O/R	Front BL Rear O/R	Front O/R Rear BL	Front and Rear O/R
A	Overall length (with monoblock boom)					
	Arm 2.42 m	10 100	10 100	10 100	10 100	10 100
	Arm 2.91 m	10 100	10 100	10 100	10 100	10 100
A'	Overall length (with 2-piece boom)					
	Arm 2.41 m	9 645	9 645	9 645	9 645	9 645
	Arm 2.61 m	9 645	9 645	9 645	9 645	9 645
	Arm 2.91 m	9 645	9 645	9 645	9 645	9 645
B	Overall height of boom (with monoblock boom)					
	Arm 2.42 m	3 265	3 265	3 265	3 265	3 265
	Arm 2.91 m	3 225	3 225	3 225	3 225	3 225
B'	Overall height of boom (with 2-piece boom)					
	Arm 2.41 m	3 220	3 220	3 220	3 220	3 220
	Arm 2.61 m	3 270	3 270	3 270	3 270	3 270
	Arm 2.91 m	3 330	3 330	3 330	3 330	3 330
C	Rear-end swing radius	2 890	2 890	2 890	2 890	2 890
D	Engine cover height	2 770	2 770	2 770	2 770	2 770
E	Counterweight clearance	1 250	1 250	1 250	1 250	1 250
F	Overall width of upper structure	2 500	2 500	2 500	2 500	2 500
G	Overall height of cabin	3 215	3 215	3 215	3 215	3 215
H	Overall width of tires	2 540 / 2 740 *	2 540 / 2 740 *	2 540 / 2 740 *	2 540 / 2 740 *	2 540 / 2 740 *
J	Min.ground clearance	305	305	305	305	305
K	Wheel base	2 750	2 750	2 750	2 750	2 750
L	Swing-center to rear axle	1 350	1 350	1 350	1 350	1 350
M	Front overhang	1 020	1 020	1 355	1 375	1 375
N	Rear overhang	1 075	1 090	1 090	1 075	1 090
O	Max. blade lower	210	–	210	210	–
P	Blade height	600	–	600	600	–
Q	Max. blade raise	380	–	380	380	–
R	Overall blade width	2 530 / 2 730	–	2 530 / 2 730	2 530 / 2 730	–
S	Overall Width O/R Retract	–	2 470 / 2 730	2 470 / 2 730	2 470 / 2 730	2 470 / 2 730
T	Overall Width O/R Extend	–	3 650 / 3 910	3 650 / 3 910	3 650 / 3 910	3 650 / 3 910
V	Overall boom height (traveling) (for 2-Piece boom only)					
	Arm 2.41 m	3 995	3 995	3 995	3 995	3 995
	Arm 2.61 m	3 985	3 985	3 985	3 985	3 985
	Arm 2.91 m	3 985	3 985	3 985	3 985	3 985
W	Front overhang (traveling) (for 2-Piece boom only)					
	Arm 2.41 m	3 500	3 500	3 500	3 500	3 500
	Arm 2.61 m	3 500	3 500	3 500	3 500	3 500
	Arm 2.91 m	3 500	3 500	3 500	3 500	3 500

Overall machine width is the largest value of either F, H, R or S.

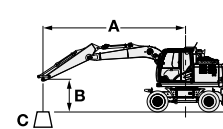
Transportation dimensions are A (A') , B (B') , and the largest value of either F, H, R or S.

* Equipped with wide gauge and Caliber twin tires 315 / 70R 22.5 : Dimensions H = 2 770 mm

MACHINE CAPACITIES

ZX220W-7

- Notes: 1. Ratings are based on ISO 10567 : 2007.
 2. Machine capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
 3. The load point is the center-line of the bucket pivot mounting pin on the arm.
 4. *Indicates load limited by hydraulic capacity.
 5. Each value with Rear blade up over the Front-axle side and each value with Rear blade down over the Rear-axle side respectively, and value in optimal position with positioning cylinder.
 6. 0 m = Ground.



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

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.

To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.

Optional feature may affect machine performance.

ZX220W-7 2-PIECE BOOM, ARM 2.91 M, 4 300 KG COUNTERWEIGHT, STANDARD GAUGE

Rating over-front or rear Rating over-side or 360 degrees Unit : kg

Load point height (m)	Stabilization	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
		Rating over-front or rear	Rating over-side or 360 degrees	Rating over-front or rear	Rating over-side or 360 degrees	Rating over-front or rear	Rating over-side or 360 degrees	Rating over-front or rear	Rating over-side or 360 degrees	Rating over-front or rear	Rating over-side or 360 degrees	Rating over-front or rear	Rating over-side or 360 degrees	meter
7.5 m	Rear blade up (over front)							*4 890	4 190			*3 880	*3 880	6.25
	Rear blade down (over rear)							*4 890	4 660			*3 880	*3 880	
	Rear outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
	Front outrigger and rear blade down (over rear)							*4 890	*4 890			*3 880	*3 880	
	Front blade and rear outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
	4 outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
6.0 m	Rear blade up (over front)							*6 110	4 300			*3 490	2 910	7.4
	Rear blade down (over rear)							*6 110	4 770			*3 490	3 260	
	Rear outrigger down (over rear)							*6 110	5 510			*3 490	*3 490	
	Front outrigger and rear blade down (over rear)							*6 110	*6 110			*3 490	*3 490	
	Front blade and rear outrigger down (over rear)							*6 110	*6 110			*3 490	*3 490	
	4 outrigger down (over rear)							*6 110	*6 110			*3 490	*3 490	
4.5 m	Rear blade up (over front)					*7 210	6 350	6 320	4 240	4 450	2 900	*3 490	2 450	8.1
	Rear blade down (over rear)					*7 210	7 100	*6 880	4 710	*5 730	3 230	*3 350	2 750	
	Rear outrigger down (over rear)					*7 210	*7 210	*6 880	5 440	*5 730	3 770	*3 350	3 240	
	Front outrigger and rear blade down (over rear)					*7 210	*7 210	*6 880	6 630	*5 730	4 680	*3 350	*3 350	
	Front blade and rear outrigger down (over rear)					*7 210	*7 210	*6 880	6 750	*5 730	4 780	*3 350	*3 350	
	4 outrigger down (over rear)					*7 210	*7 210	*6 880	*6 880	*5 730	5 450	*3 350	*3 350	
3.0 m	Rear blade up (over front)			*11 610	10 930	*9 360	6 130	6 220	4 160	4 430	2 880	*3 360	2 220	8.47
	Rear blade down (over rear)			*11 610	*11 610	*10 150	6 870	*7 850	4 630	*6 760	3 220	*3 360	2 500	
	Rear outrigger down (over rear)			*11 610	*11 610	*10 150	*7 980	*7 850	5 360	*6 760	3 750	*3 360	2 950	
	Front outrigger and rear blade down (over rear)			*11 610	*11 610	*10 150	9 850	*7 850	6 520	*6 760	4 660	*3 360	*3 360	
	Front blade and rear outrigger down (over rear)			*11 610	*11 610	*10 150	10 050	*7 850	6 640	*6 760	4 760	*3 360	*3 360	
	4 outrigger down (over rear)			*11 610	*11 610	*10 150	*10 150	*7 850	7 520	*6 760	5 430	*3 360	*3 360	
1.5 m	Rear blade up (over front)			*14 600	10 640	9 220	6 010	6 180	4 140	4 350	2 790	3 420	2 120	8.55
	Rear blade down (over rear)			*14 600	12 130	*12 230	6 740	*8 860	4 610	*7 200	3 130	*3 520	2 400	
	Rear outrigger down (over rear)			*14 600	14 420	*12 230	7 840	*8 860	5 330	6 800	3 670	*3 520	2 850	
	Front outrigger and rear blade down (over rear)			*14 600	*14 600	*12 230	9 690	*8 860	6 470	*7 200	4 580	*3 520	*3 520	
	Front blade and rear outrigger down (over rear)			*14 600	*14 600	*12 230	9 890	*8 860	6 590	*7 200	*4 670	*3 520	*3 520	
	4 outrigger down (over rear)			*14 600	*14 600	*12 230	11 320	*8 860	7 450	*7 200	5 350	*3 520	*3 520	
0 m (Ground)	Rear blade up (over front)	*8 850	*8 850	*17 310	10 560	9 250	5 970	6 190	4 000	4 210	2 660	3 490	2 150	8.35
	Rear blade down (over rear)	*8 850	*8 850	*17 310	12 140	*13 250	6 710	*9 520	4 460	*7 510	2 990	*3 840	2 440	
	Rear outrigger down (over rear)	*8 850	*8 850	*17 310	14 430	*13 250	7 800	9 370	5 210	6 690	3 530	*3 840	2 900	
	Front outrigger and rear blade down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	9 710	*9 520	6 530	*7 510	4 440	*3 840	3 690	
	Front blade and rear outrigger down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	9 920	*9 520	6 660	7 300	4 540	*3 840	3 770	
	4 outrigger down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	11 350	*9 520	7 510	*7 470	5 220	*3 840	*3 840	
-1.5 m	Rear blade up (over front)	*14 430	*14 430	18 070	10 090	9 190	5 700	5 910	3 750	4 070	2 520	3 780	2 330	7.85
	Rear blade down (over rear)	*14 430	*14 430	*20 810	11 630	*13 420	6 420	*9 700	4 210	*7 360	2 850	*4 440	2 640	
	Rear outrigger down (over rear)	*14 430	*14 430	*20 810	14 290	*13 420	7 610	*9 530	4 950	6 550	3 380	*4 440	3 140	
	Front outrigger and rear blade down (over rear)	*14 430	*14 430	*20 810	19 170	*13 420	9 740	*9 700	6 240	*7 360	4 300	*4 440	4 000	
	Front blade and rear outrigger down (over rear)	*14 430	*14 430	*20 810	19 640	*13 420	9 970	*9 700	6 370	7 170	4 400	*4 440	4 090	
	4 outrigger down (over rear)	*14 430	*14 430	*20 810	*20 810	*13 420	11 480	*9 700	7 350	*7 360	5 080	*4 440	*4 440	
-3.0 m	Rear blade up (over front)	*23 060	*23 060	17 910	9 960	9 000	5 530	5 650	3 510			4 550	2 810	6.9
	Rear blade down (over rear)	*23 060	*23 060	*22 080	11 500	*13 790	6 250	*9 570	3 970			*5 750	3 180	
	Rear outrigger down (over rear)	*23 060	*23 060	*22 080	14 140	*13 790	7 430	9 430	4 700			*5 750	3 780	
	Front outrigger and rear blade down (over rear)	*23 060	*23 060	*22 080	19 280	*13 790	9 550	*9 570	5 990			*5 750	4 820	
	Front blade and rear outrigger down (over rear)	*23 060	*23 060	*22 080	19 910	*13 790	9 780	*9 570	6 120			*5 750	4 920	
	4 outrigger down (over rear)	*23 060	*23 060	*22 080	*22 080	*13 790	11 510	*9 570	7 110			*5 750	5 710	
-4.5 m	Rear blade up (over front)	*31 570	*31 570	17 730	9 820							10 760	6 400	3.96
	Rear blade down (over rear)	*31 570	*31 570	*20 090	11 350							*13 630	7 290	
	Rear outrigger down (over rear)	*31 570	*31 570	*20 090	13 980							*13 630	8 770	
	Front outrigger and rear blade down (over rear)	*31 570	*31 570	*20 090	19 100							*13 630	11 470	
	Front blade and rear outrigger down (over rear)	*31 570	*31 570	*20 090	19 720							*13 630	11 770	
	4 outrigger down (over rear)	*31 570	*31 570	*20 090	*20 090							*13 630	*13 630	

ZX220W-7 2-PIECE BOOM, ARM 2.91 M, 4 300 KG COUNTERWEIGHT, WIDE GAUGE
 Rating over-front or rear  Rating over-side or 360 degrees Unit : kg

Load point height (m)	Stabilization	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
7.5 m	Rear blade up (over front)							*4 890	4 620			*3 880	*3 880	6.25
	Rear blade down (over rear)							*4 890	*4 890			*3 880	*3 880	
	Rear outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
	Front outrigger and rear blade down (over rear)							*4 890	*4 890			*3 880	*3 880	
	Front blade and rear outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
	4 outrigger down (over rear)							*4 890	*4 890			*3 880	*3 880	
6.0 m	Rear blade up (over front)							*6 110	4 740			*3 490	3 230	7.4
	Rear blade down (over rear)							*6 110	5 230			*3 490	*3 490	
	Rear outrigger down (over rear)							*6 110	6 020			*3 490	*3 490	
	Front outrigger and rear blade down (over rear)							*6 110	*6 110			*3 490	*3 490	
	Front blade and rear outrigger down (over rear)							*6 110	*6 110			*3 490	*3 490	
	4 outrigger down (over rear)							*6 110	*6 110			*3 490	*3 490	
4.5 m	Rear blade up (over front)					*7 210	7 040	6 350	4 670	4 470	3 210	*3 490	2 730	8.1
	Rear blade down (over rear)					*7 210	*7 210	*6 880	5 160	*5 730	3 560	*3 350	3 040	
	Rear outrigger down (over rear)					*7 210	*7 210	*6 880	5 930	*5 730	4 150	*3 350	*3 350	
	Front outrigger and rear blade down (over rear)					*7 210	*7 210	*6 880	*6 880	*5 730	5 120	*3 350	*3 350	
	Front blade and rear outrigger down (over rear)					*7 210	*7 210	*6 880	*6 880	*5 730	5 220	*3 350	*3 350	
	4 outrigger down (over rear)					*7 210	*7 210	*6 880	*6 880	*5 730	*5 730	*3 350	*3 350	
3.0 m	Rear blade up (over front)			*11 610	*11 610	9 400	6 810	6 250	4 590	4 450	3 190	*3 360	2 480	8.47
	Rear blade down (over rear)			*11 610	*11 610	*10 150	7 560	*7 850	5 080	*6 760	3 540	*3 360	2 770	
	Rear outrigger down (over rear)			*11 610	*11 610	*10 150	*8 760	*7 850	5 840	*6 760	4 130	*3 360	3 270	
	Front outrigger and rear blade down (over rear)			*11 610	*11 610	*10 150	*10 150	*7 850	7 090	*6 760	5 100	*3 360	*3 360	
	Front blade and rear outrigger down (over rear)			*11 610	*11 610	*10 150	*10 150	*7 850	7 220	*6 760	5 200	*3 360	*3 360	
	4 outrigger down (over rear)			*11 610	*11 610	*10 150	*10 150	*7 850	*7 850	*6 760	5 960	*3 360	*3 360	
1.5 m	Rear blade up (over front)			*14 600	11 980	9 250	6 680	6 210	4 570	4 370	3 110	*3 440	2 380	8.55
	Rear blade down (over rear)			*14 600	13 510	*12 230	7 430	*8 860	5 070	*7 200	3 450	*3 520	2 670	
	Rear outrigger down (over rear)			*14 600	*14 600	*12 230	8 610	*8 860	5 800	6 820	4 040	*3 520	3 160	
	Front outrigger and rear blade down (over rear)			*14 600	*14 600	*12 230	10 630	*8 860	7 030	*7 200	5 020	*3 520	*3 520	
	Front blade and rear outrigger down (over rear)			*14 600	*14 600	*12 230	*10 840	*8 860	7 160	*7 200	5 120	*3 520	*3 520	
	4 outrigger down (over rear)			*14 600	*14 600	*12 230	*12 230	*8 860	8 140	*7 200	5 890	*3 520	*3 520	
0 m (Ground)	Rear blade up (over front)	*8 850	*8 850	*17 310	11 990	9 280	6 650	6 220	4 430	4 230	2 970	3 500	2 420	8.35
	Rear blade down (over rear)	*8 850	*8 850	*17 310	13 420	*13 250	7 430	*9 520	4 920	*7 510	3 320	*3 840	2 720	
	Rear outrigger down (over rear)	*8 850	*8 850	*17 310	16 330	*13 250	8 610	*9 390	5 760	6 700	3 910	*3 840	3 220	
	Front outrigger and rear blade down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	*10 650	*9 520	7 050	*7 510	4 890	*3 840	*3 840	
	Front blade and rear outrigger down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	10 860	*9 520	7 190	*7 330	4 990	*3 840	*3 840	
	4 outrigger down (over rear)	*8 850	*8 850	*17 310	*17 310	*13 250	*12 490	*9 520	*8 180	*7 490	5 760	*3 840	*3 840	
-1.5 m	Rear blade up (over front)	*14 430	*14 430	*18 150	11 490	9 230	6 360	*5 940	4 170	4 090	2 830	3 800	2 620	7.85
	Rear blade down (over rear)	*14 430	*14 430	*20 810	13 220	*13 420	7 140	*9 700	4 650	*7 360	3 170	*4 440	2 940	
	Rear outrigger down (over rear)	*14 430	*14 430	*20 810	16 420	*13 420	8 490	9 550	5 490	6 570	3 760	*4 440	3 490	
	Front outrigger and rear blade down (over rear)	*14 430	*14 430	*20 810	*20 810	*13 420	10 860	*9 700	6 870	*7 360	4 750	*4 440	4 420	
	Front blade and rear outrigger down (over rear)	*14 430	*14 430	*20 810	*20 810	*13 420	*11 120	*9 700	7 010	7 200	4 850	*4 440	*4 440	
	4 outrigger down (over rear)	*14 430	*14 430	*20 810	*20 810	*13 420	*12 690	*9 700	8 150	*7 360	5 620	*4 440	*4 440	
-3.0 m	Rear blade up (over front)	*23 060	*23 060	17 990	11 360	9 040	6 190	5 680	3 930			4 570	3 150	6.9
	Rear blade down (over rear)	*23 060	*23 060	*22 080	13 080	*13 790	6 960	*9 570	4 410			*5 750	3 540	
	Rear outrigger down (over rear)	*23 060	*23 060	*22 080	16 260	*13 790	8 300	9 460	5 230			*5 750	4 210	
	Front outrigger and rear blade down (over rear)	*23 060	*23 060	*22 080	*22 000	*13 790	10 660	*9 570	6 630			*5 750	5 320	
	Front blade and rear outrigger down (over rear)	*23 060	*23 060	*22 080	*22 080	*13 790	10 920	*9 570	6 780			*5 750	5 440	
	4 outrigger down (over rear)	*23 060	*23 060	*22 080	*22 080	*13 790	12 940	*9 570	7 910			*5 750	*5 750	
-4.5 m	Rear blade up (over front)	*31 570	*31 570	17 810	11 210							10 820	7 220	3.96
	Rear blade down (over rear)	*31 570	*31 570	*20 090	12 920							*13 630	8 180	
	Rear outrigger down (over rear)	*31 570	*31 570	*20 090	16 090							*13 630	9 890	
	Front outrigger and rear blade down (over rear)	*31 570	*31 570	*20 090	*20 090							*13 630	12 920	
	Front blade and rear outrigger down (over rear)	*31 570	*31 570	*20 090	*20 090							*13 630	13 270	
	4 outrigger down (over rear)	*31 570	*31 570	*20 090	*20 090							*13 630	*13 630	

EQUIPMENT

ENGINE	ZX220W-7
Aftertreatment device	●
Air cleaner double filters	●
Alternator 60 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
Cold fuel resistance valve	●
ConSite OIL (sensor)*	●
Coolant heater	○
DEF/AdBlue® tank	●
DEF/AdBlue® tank inlet strainer and extension filler	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Dust-proof indoor net	●
ECO/PWR mode control	●
Electrical fuel feed pump	●
Engine oil drain coupler	●
Expansion tank	●
Fan guard	●
Fuel cooler	●
Fuel pre-filter with water separator	●
Isolation-mounted engine	●
Maintenance free pre-cleaner	○
Radiator, oil cooler and intercooler	●

HYDRAULIC SYSTEM	
Auto power lift	●
ConSite OIL (sensor)*	●
Control valve with main relief valve	●
Extra port for control valve	●
High mesh full-flow filter	●
Hose rupture valve for arm	●
Hose rupture valve for boom	●
Pilot filter	●
Power boost	●
Restriction indicator for full-flow filter	○
Shockless valve in pilot circuit	●
Steering filter	●
Suction filter	●
Swing dampener valve	●
Variable reliefvalve for breaker and crusher	●
Work mode selector	●

CAB	ZX220W-7
All-weather sound suppressed steel cab	●
Auto control air conditioner	●
AUX function lever (breaker assist)	●
Bluetooth®* integrated DAB+radio	●
Console height adjustment	●
Control lever auto-lock	●
CRES VII (center pillar reinforced structure) cab	●
Drink holder with hot and cool function	●
Electric double horn	●
Engine shut-off switch	●
Equipped with reinforced, tinted (green color) glass windows	●
Evacuation hammer	●
Floor mat	●
Footrest	●
Front window washer (2 points)	●
Glove compartment	●
Hands-free calling device	●
Hot and cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
Laminated round glass window	○
LED room light	●
OPG top guard Level I (ISO10262 : 1998) compliant	●
OPG top guard Level II (ISO10262 : 1998) compliant	○
Pilot shut-off lever	●
Power outlet 12 V and 24 V	●
Push button low idle	●
Rain guard (without OPG front guard)	●
Rear tray	●
Retractable seat belt	●
ROPS (ISO12117-2 : 2008) compliant cab	●
Rubber radio antenna	●
Seat : air suspension seat with heater	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Seat belt reminder	●
Short wrist control levers	●
Smartphone holder	●
Sun visor (multi-use front or side window)	●
Sunscreen roller type (multi-use front or side and rear window)	○
Transparent roof with slide curtain	●
Wide view wiper	●
Windows on front, upper, lower and left side can be opened	●
2 speakers	●
4 fluid-filled elastic mounts	●
5V to USB power supply	●
8 inch monitor	●

Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.

* Engine oil and hydraulic oil monitoring sensor.

**The system detects the pilot pressure and maintains the set speed by maintaining the pilot pressure.

● : Standard equipment ○ : Optional equipment

MONITOR SYSTEM	ZX220W-7
Alarm buzzers : overheat, engine oil pressure, overload, SCR system trouble, etc	●
Alarms : overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble, etc	●
Attachment operational information	●
Display of meters: Speedometer, Tachometer, Tripmeter, water temperature, hour, fuel rate, clock, DEF/AdBlue® rate, etc	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
35 languages selection	●

LIGHTS	
Additional boom LED light with cover	○
Additional cab roof front LED lights	○
Additional cab roof rear LED light	○
Brake lamps	●
Clearance lamps	○
Hazard lamps	●
Headlight LED	●
LED lights for camera (side and rear view camera)	○
Licence lamp	○
Rotating lamp (cab)	○
Rotating lamp (counterweight)	○
Turn signal lamps	●
Working LED lights	●
Working LED Lights under arm	○

UPPERSTRUCTURE	
AERIAL ANGLE® (270-degree view camera system)	●
Batteries 2 x 126 Ah	●
Battery disconnect switch	●
Body top guardrail	●
Cab top handhold	●
Counterweight 2 600kg	●
Counterweight 4 300kg	○
Counterweight 5 000kg	○
Electric fuel refilling pump with auto stop and filter	●
Fuel level float	●
Hydraulic oil level gauge	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Platform handrail	●
Rear view mirror (right and left side)	●
Rear view mirrors with heater (right and left side)	○
Skid-resistant plates and handrails	●
Swing parking brake	●
Undercover	●

UNDERCARRIAGE	ZX220W-7
Automatic transmission control	●
Automatic working brake control	●
Clamshell bracket	○
Cruise control**	●
Electric system for trailer	○
Front cover	●
Front dozer blade + rear outrigger	○
Front fender / rear fender	○
Front outrigger + rear dozer blade	○
Front outrigger + rear outrigger	○
Parking brake	●
Rear dozer blade	○
Rear dozer blade, reinforced for trailer towing	○
Rear outrigger, prepared for trailer towing	○
Tool box: left side	●
Tool box: right side	○
Traction pattern tyres, single or twin type	●
Wide gauge axle	○
4 tie down brackets	●

FRONT ATTACHMENTS	
Arm tip remote lubrication	●
Auto-lubrication device (swing gear, boom, arm and bucket)	○
Casted bucket link A	●
Centralized lubrication system	●
Dirt seal on all bucket pins	●
Flanged pin	●
HN bushing	●
Lower arm reinforcement	○
Reinforced link B	○
Reinforced resin thrust plate	●
WC (tungsten-carbide) thermal spraying	●
Welded bucket link A	○
Welded bucket link A with welded hook	○

ATTACHMENT	
Accessories for 2 speed selector	○
Additional pump (40 L/min)	●
Assist piping	○
Breaker and crusher piping	●
Clamshell piping	○
Pilot accumulator	●
PTO valve	○

MISCELLANEOUS	
ConSite	○
Global e-Service	●
Onboard information controller	●
Standard tool kit	●
Travel direction mark on chassis frame	●

Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance.

These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.