

ZAXIS 190W-6N FT4 Wheeled Excavator

20-Aug-2020

Code	Description	Qty	List Price(USD)
7401FF	ZAXIS 190W-6N FT4 Wheeled Excavator	1	\$338,597.00

Option Codes

170C	JDLink Ultimate - 5 Year Subscription	1	No Added Cost
5470	Front Blade & Rear Outriggers	1	No Added Cost
6835	Mono Boom	1	No Added Cost

Total	\$338,597.00
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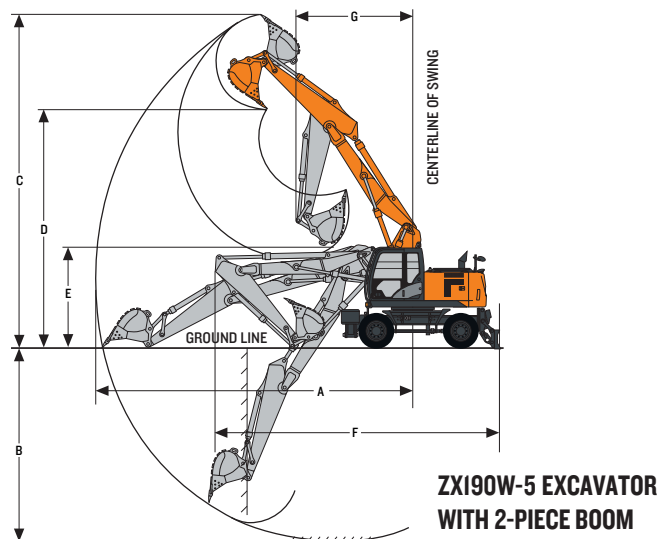
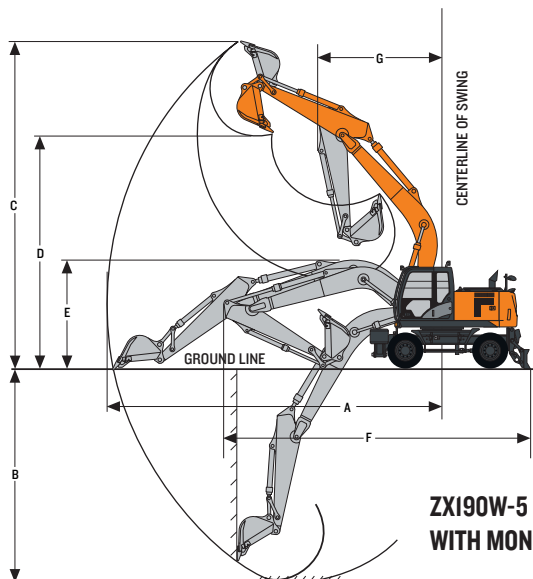
Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.

ZXI90W-5

Engine		ZX190W-5	
Manufacturer and Model		Isuzu 4HKI	
Non-Road Emission Standard		EPA Interim Tier 4/EU Stage IIIB	
Net Rated Power (ISO 9249)		119 kW (159 hp) @ 2,000 rpm	
Cylinders		4	
Displacement		5.2 L (317 cu. in.)	
Off-Level Capacity		67% (34 deg.)	
Aspiration		Turbocharged, air-to-air charge-air cooler	
Cooling			
High-efficiency, direct-drive suction-type fan			
Powertrain			
2-speed propel with creeper mode and automatic shift			
Travel Speed (Maximum)			
Creeper		2.6 km/h (1.6 mph)	
Low		8.6 km/h (5.3 mph)	
High		35.0 km/h (21.7 mph)	
Front Axle		All-wheel drive; can be locked hydraulically in any position	
Oscillation		±7 deg.	
Brakes		Maintenance-free wet-disc brakes on front and rear axles; fully hydraulic service brakes	
Tires		Standard size, dual-traction-type 10.00-20 I4PR	
Drawbar Pull		9534 kgf (20,570 lbf)	
Hydraulics			
Main Pumps		2 variable-displacement axial-piston pumps	
Pump Flow (maximum x 2)		165 L/m (43.6 gpm)	
System Operating Pressure			
Circuits			
Implement		34 300 kPa (4,975 psi)	
Travel		34 800 kPa (5,047 psi)	
Swing		33 400 kPa (4,844 psi)	
Power Boost		36 300 kPa (5,265 psi)	
Controls		Pilot levers, short-stroke, low-effort hydraulic pilot controls with shutoff lever	
Cylinders			
Heat treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins			
	Bore	Rod Diameter	Stroke
Monoblock Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	1050 mm (41.3 in.)
2-Piece Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	980 mm (38.6 in.)
Positioning, 2-Piece Boom (1)	170 mm (6.7 in.)	105 mm (4.1 in.)	670 mm (26.4 in.)
Arm (1)	125 mm (4.9 in.)	90 mm (3.5 in.)	1371 mm (54.0 in.)
Bucket (1)	105 mm (4.1 in.)	75 mm (3.0 in.)	1060 mm (41.7 in.)
Electrical			
Voltage		24 volt	
Number of Batteries (12 volt)		2	
Alternator Rating		50 amp	
Lights (6)		Headlights (2), top of cab (2), rear of cab (1), and boom (1)	
Driving Lights		Headlights (2), turn signals and hazard lights, brake lights and side marker lights	
Swing Mechanism			
Swing Speed		12.2 rpm	
Swing Torque		53 000 Nm (39,091 lb.-ft.)	

SPECS

Serviceability			ZX190W-5
Refill Capacities			
Fuel Tank			290 L (77 gal.)
Engine Coolant			25 L (7 gal.)
Engine Oil with Filter			23 L (6 gal.)
Hydraulic Tank			100 L (26 gal.)
Hydraulic System			180 L (48 gal.)
Swing Drive			6.2 L (6.6 qt.)
Transmission			2.5 L (2.6 qt.)
Axle			
Front			9.5 L (2.5 gal.)
Rear			14 L (3.7 gal.)
Front and Rear Hubs			2.5 L x 2 (2 x 2.6 qt. x 2)
Operating Weights			
With full fuel tank; 79-kg (175 lb.) operator; 0.7-m ³ (0.92 cu. yd.), 900-mm (35 in.), 610-kg (1,345 lb.) bucket; 2.71-m (8 ft. 11 in.) arm; standard gauge, and 4000-kg (8,818 lb.) counterweight			
	Monoblock Boom	2-Piece Boom	
Front Outrigger and Rear Outrigger	20 200 kg (44,530 lb.)	20 550 kg (45,300 lb.)	
Front Blade and Rear Outrigger	19 960 kg (44,000 lb.)	20 310 kg (44,780 lb.)	
Operating Dimensions			
	Monoblock Boom	2-Piece Boom	
Arm Digging Force			
SAE	87 kN (19,558 lb.)	87 kN (19,558 lb.)	
ISO	91 kN (20,458 lb.)	91 kN (20,458 lb.)	
Bucket Digging Force			
SAE	107.0 kN (24,055 lb.)	107.0 kN (24,055 lb.)	
ISO	123.0 kN (27,651 lb.)	123.0 kN (27,651 lb.)	
A Maximum Reach	9.58 m (31 ft. 5 in.)	9.48 m (31 ft. 1 in.)	
B Maximum Digging Depth	5.83 m (19 ft. 2 in.)	5.93 m (19 ft. 5 in.)	
C Maximum Cutting Height	9.25 m (30 ft. 4 in.)	9.85 m (32 ft. 4 in.)	
D Maximum Dumping Height	6.45 m (21 ft. 2 in.)	6.95 m (22 ft. 10 in.)	
E Overall Height	3.13 m (10 ft. 3 in.)	3.21 m (10 ft. 6 in.)	
F Overall Length			
Front Outrigger and Rear Outrigger	9.54 m (31 ft. 4 in.)	9.36 m (30 ft. 9 in.)	
Front Blade and Rear Outrigger	9.48 m (31 ft. 1 in.)	9.30 m (30 ft. 6 in.)	
G Minimum Swing Radius	3.48 m (11 ft. 5 in.)	3.00 m (9 ft. 10 in.)	



ZXI90W-5 SPECS

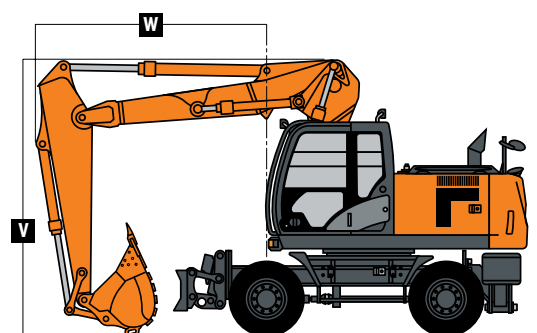
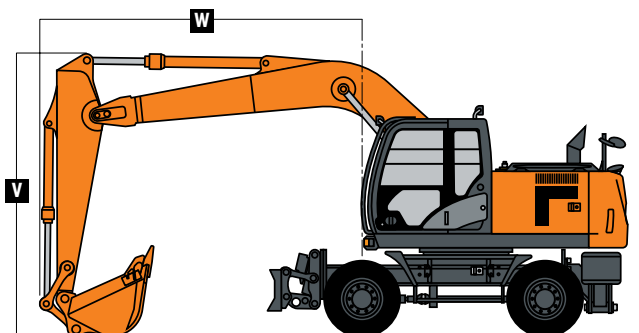
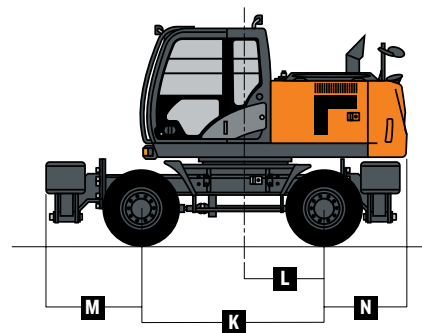
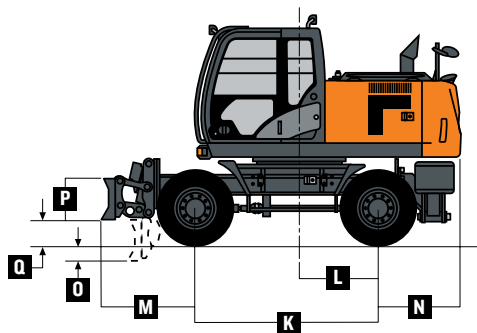
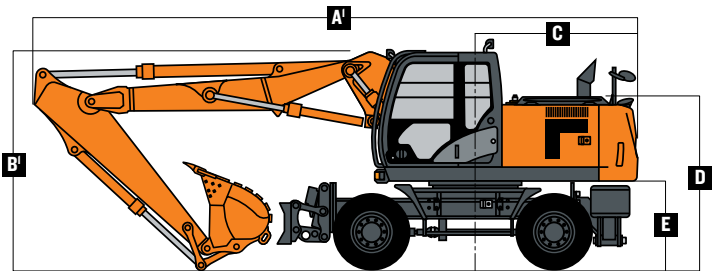
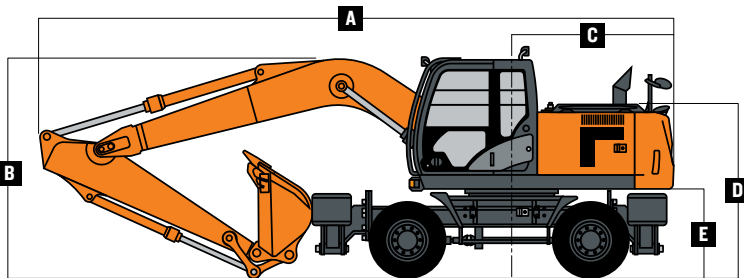
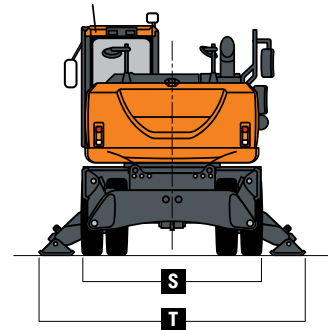
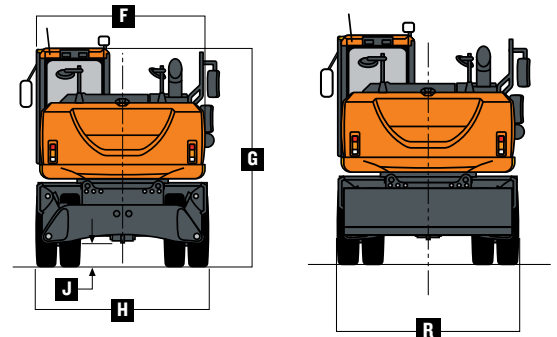
ZAXIS | DASH-5 WHEELED EXCAVATORS

Machine Dimensions

ZXI90W-5

With standard gauge and 2.71-m (8 ft. 11 in.) arm; dimensions are provided for both the front and rear outrigger configuration, and for the front blade and rear outrigger configuration

	Monoblock Boom	2-Piece Boom
A Overall Length	8.98 m (29 ft. 6 in.)	
A' Overall Length		8.80 m (28 ft. 10 in.)
B Overall Height	3.13 m (10 ft. 3 in.)	
B' Overall Height		3.21 m (10 ft. 6 in.)
C Rear-End Swing Radius	2.32 m (7 ft. 7 in.)	2.32 m (7 ft. 7 in.)
D Engine Cover Height	2.48 m (8 ft. 2 in.)	2.48 m (8 ft. 2 in.)
E Counterweight Clearance	1.24 m (4 ft. 1 in.)	1.24 m (4 ft. 1 in.)
F Overall Width of Upperstructure	2.45 m (8 ft. 0 in.)	2.45 m (8 ft. 0 in.)
G Overall Height of Cab	3.13 m (10 ft. 3 in.)	3.13 m (10 ft. 3 in.)
H Overall Width of Tires	2.55 m (8 ft. 4 in.)	2.55 m (8 ft. 4 in.)
J Minimum Ground Clearance	0.35 m (14 in.)	0.35 m (14 in.)
K Wheelbase	2.65 m (8 ft. 8 in.)	2.65 m (8 ft. 8 in.)
L Swing Center to Rear Axle	1.15 m (3 ft. 9 in.)	1.15 m (3 ft. 9 in.)
M Front Overhang		
Front Outrigger and Rear Outrigger	1.38 m (4 ft. 6 in.)	1.38 m (4 ft. 6 in.)
Front Blade and Rear Outrigger	1.32 m (4 ft. 4 in.)	1.32 m (4 ft. 4 in.)
N Rear Overhang	1.09 m (3 ft. 7 in.)	1.09 m (3 ft. 7 in.)
O Maximum Blade Lower	0.22 m (9 in.)	0.22 m (9 in.)
P Overall Height of Blade	0.59 m (23 in.)	0.59 m (23 in.)
Q Maximum Blade Raise	0.37 m (15 in.)	0.37 m (15 in.)
R Overall Width of Blade	2.53 m (8 ft. 4 in.)	2.53 m (8 ft. 4 in.)
S Overall Width with Outrigger Retracted	2.47 m (8 ft. 1 in.)	2.47 m (8 ft. 1 in.)
T Overall Width with Outrigger Extended	3.44 m (11 ft. 3 in.)	3.44 m (11 ft. 3 in.)
V Overall Height of Boom (traveling)	4.00 m (13 ft. 1 in.)	4.00 m (13 ft. 1 in.)
W Front Overhand (traveling)	3.33 m (10 ft. 11 in.)	3.33 m (10 ft. 11 in.)



SPECS

Lift Charts

ZX190W-5

Loadface type indicates hydraulically limited capacities; **lightface type** indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 600-kg (1,323 lb.) bucket, 2.71-m (8 ft. 11 in.) arm, and standard counterweight; and situated on firm, level, uniform supporting surface. Figures do not exceed 87% of hydraulic capacity or 75% of weight needed to tip machine. All lift capacities are based on ISO 10567.

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With monoblock boom, rear outriggers, and front blade down												
6.0 m (20 ft.)							4420 (9,420)	4420 (9,420)				
4.5 m (15 ft.)					6430 (13,740)	6430 (13,740)	5320 (11,560)	4730 (10,160)	3330	3170		
3.0 m (10 ft.)					7910 (17,040)	7280 (15,660)	5930 (12,850)	4520 (9,730)	4730 (9,870)	3090 (6,630)		
1.5 m (5 ft.)					9060 (19,570)	6820 (14,670)	6470 (14,010)	4310 (9,280)	4620 (9,930)	3000 (6,440)		
Ground Line					9290 (20,130)	6580 (14,140)	6530 (14,030)	4170 (8,960)	4550 (9,770)	2930 (6,290)		
-1.5 m (-5 ft.)			7920 (18,050)	7920 (18,050)	8650 (18,740)	6520 (14,000)	6300 (13,600)	4110 (8,840)				
-3.0 m (-10 ft.)			9560 (20,680)	9560 (20,680)	7140 (15,380)	6590 (14,150)	5100 (10,810)	4150 (8,950)				
With monoblock boom and 4 outriggers down												
6.0 m (20 ft.)							4420 (9,420)	4420 (9,420)				
4.5 m (15 ft.)					6430 (13,740)	6430 (13,740)	5320 (11,560)	5320 (11,560)	3330	3330		
3.0 m (10 ft.)					7910 (17,040)	7910 (17,040)	5930 (12,850)	5280 (11,350)	4870 (9,870)	3620 (7,760)		
1.5 m (5 ft.)					9060 (19,570)	8100 (17,410)	6470 (14,010)	5060 (10,890)	4830 (10,370)	3520 (7,560)		
Ground Line					9290 (20,130)	7850 (16,850)	6660 (14,420)	4910 (10,560)	4750 (10,210)	3450 (7,410)		
-1.5 m (-5 ft.)			7920 (18,050)	7920 (18,050)	8650 (18,740)	7780 (16,700)	6300 (13,600)	4850 (10,430)				
-3.0 m (-10 ft.)			9560 (20,680)	9560 (20,680)	7140 (15,380)	7140 (15,380)	5100 (10,810)	4900 (10,550)				

Lift Charts

ZX190W-5

Load Point Height indicates hydraulically limited capacities; **lightface type** indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 600-kg (1,323 lb.) bucket, 2.71-m (8 ft. 11 in.) arm, and standard counterweight; and situated on firm, level, uniform supporting surface. Figures do not exceed 87% of hydraulic capacity or 75% of weight needed to tip machine. All lift capacities are based on ISO 10567.

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2-piece boom, rear outriggers and front blade down												
6.0 m (20 ft.)							3980 (8,790)	3980 (8,790)				
4.5 m (15 ft.)					4860 (10,510)	4860 (10,510)	4330 (9,450)	4330 (9,450)	2820	2820		
3.0 m (10 ft.)			8700 (19,130)	8700 (19,130)	6500 (13,970)	6500 (13,970)	5050 (10,960)	4710 (10,130)	4430 (8,980)	3210 (6,840)		
1.5 m (5 ft.)			10 630 (23,330)	10 630 (23,330)	8100 (17,470)	7210 (15,500)	5830 (12,630)	4670 (10,070)	4740 (10,190)	3140 (6,700)		
Ground Line	8670 (19,420)	8670 (19,420)	12 770 (28,000)	12 770 (28,000)	9010 (19,490)	7250 (15,600)	6400 (13,860)	4710 (10,070)	4670 (9,980)	3030 (6,460)		
-1.5 m (-5 ft.)	13 900 (31,210)	13 900 (31,210)	14 840 (32,210)	14 660 (31,430)	9230 (19,990)	7490 (16,090)	6610 (14,310)	4460 (9,530)				
-3.0 m (-10 ft.)	22 710 (51,650)	22 710 (51,650)	15 310 (33,190)	15 260 (33,000)	9590 (20,730)	7130 (15,250)	6220 (13,080)	4280 (9,170)				
With two-piece boom and 4 outriggers down												
6.0 m (20 ft.)							3980 (8,790)	3980 (8,790)				
4.5 m (15 ft.)					4860 (10,510)	4860 (10,510)	4330 (9,450)	4330 (9,450)	2820	2820		
3.0 m (10 ft.)			8700 (19,130)	8700 (19,130)	6500 (13,970)	6500 (13,970)	5050 (10,960)	5050 (10,960)	4430 (8,980)	3730 (7,970)		
1.5 m (5 ft.)			10 630 (23,330)	10 630 (23,330)	8100 (17,470)	8100 (17,470)	5830 (12,630)	5310 (11,430)	4770 (10,390)	3660 (7,820)		
Ground Line	8670 (19,420)	8670 (19,420)	12 770 (28,000)	12 770 (28,000)	9010 (19,490)	8280 (17,820)	6400 (13,860)	5370 (11,600)	4860 (10,410)	3560 (7,610)		
-1.5 m (-5 ft.)	13 900 (31,210)	13 900 (31,210)	14 840 (32,210)	14 840 (32,210)	9230 (19,990)	8490 (18,300)	6610 (14,310)	5230 (11,190)				
-3.0 m (-10 ft.)	22 710 (51,650)	22 710 (51,650)	15 310 (33,190)	15 310 (33,190)	9590 (20,730)	8450 (18,070)	6220 (13,080)	5040 (10,810)				

SPECS

Buckets ZX190W-5

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with TK-Series Bucket Teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 2.71 m (8 ft. 11 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	mm	in.	
General Purpose, High Capacity	762	30	0.60	0.79	650	1,432	122.7	27,582	91.2	20,512	1473	58.0	4
	914	36	0.76	1.00	735	1,621	122.7	27,582	91.2	20,512	1473	58.0	5
	1067	42	0.93	1.22	812	1,790	122.7	27,582	91.2	20,512	1473	58.0	5
Heavy Duty	1219	48	1.09	1.43	896	1,976	122.7	27,582	91.2	20,512	1473	58.0	6
	610	24	0.40	0.52	543	1,197	123.6	27,780	91.5	20,563	1463	57.61	4
	762	30	0.54	0.71	621	1,369	123.5	27,768	91.5	20,561	1463	57.61	4
	914	36	0.69	0.90	707	1,559	123.5	27,768	91.5	20,561	1463	57.61	5
	1067	42	0.83	1.09	785	1,731	123.5	27,768	91.5	20,561	1463	57.61	5
Heavy Duty, High Capacity	1219	48	0.99	1.29	871	1,921	123.5	27,768	91.5	20,561	1463	57.61	6
	610	24	0.43	0.56	646	1,424	122.7	27,582	91.2	20,512	1473	58.0	4
	762	30	0.58	0.76	723	1,593	122.7	27,582	91.2	20,512	1473	58.0	4
	914	36	0.74	1.97	808	1,782	122.7	27,582	91.2	20,512	1473	58.0	5
	1067	42	0.91	1.19	885	1,951	122.7	27,582	91.2	20,512	1473	58.0	5
Ditching	1219	48	1.06	1.39	577	1,271	122.7	27,582	91.2	20,512	1473	58.0	6
	1524	60	0.87	1.14	577	1,271	170.3	38,280	101.3	22,778	1057	41.62	0
General Purpose, High Capacity	1219	48	1.09	1.43	577	1,271	122.7	27,582	91.2	20,512	1473	57.99	6