

General specifications

Item	Unit	Model		
		Z150TR	LZ150TR	VZ150TR
Dimension				
Overall length	mm (in)	792 (31.2)		
Overall width	mm (in)	554 (21.8)		
Overall height				
(L)	mm (in)	1,655 (65.2)	—	1,693 (66.7)
(X)	mm (in)	1,782 (70.2)		—
Boat transom height				
(L)	mm (in)	508 (20.0)	—	508 (20.0)
(X)	mm (in)	635 (25.0)		—
Weight				
(without propeller)				
(L)	kg (lb)	212 (467)	—	213 (470)
(X)	kg (lb)	216 (476)		—
Performance				
Maximum output	kW (hp)	110.3 (150) at 5,000 r/min		
Full throttle operating range	r/min	4,500–5,500		
Maximum fuel consumption	L (US gal, Imp gal)/hr	55.0 (14.5, 12.1) at 5,500 r/min		
Engine idle speed	r/min	700 ± 30		
Power unit				
Type		2-stroke, 76°, V6, HPDI		
Total displacement	cm ³ (cu. in)	2,596 (158.4)		
Bore × stroke	mm (in)	90.0 × 68.0 (3.54 × 2.68)		
Compression ratio		Cylinders #1–#4: 6.7 Cylinders #5–#6: 6.4		
Control system		Remote control		
Starting system		Electric starter		
Enrichment system		Fuel injection		
Ignition control system		TCI		
Maximum generator output	V, A	12, 45		
Spark plug		BKR6EKU (NGK)		
Cooling system		Water		
Exhaust system		Propeller boss		
Lubrication system		Oil injection		

General specifications

Item	Unit	Model		
		Z150TR	LZ150TR	VZ150TR
Fuel and oil		Regular unleaded gasoline		
Fuel type		Regular unleaded gasoline		
Fuel minimum rating	RON ^(*1)	90		
	PON	86		
Engine oil ^(*2)		YAMALUBE 2-stroke outboard motor oil		
Engine oil tank capacity		0.9 (0.24, 0.20)		
Oil tank	L (US gal, Imp gal)	0.9 (0.24, 0.20)		
Remote oil tank	L (US gal, Imp gal)	10.5 (2.77, 2.31)		
Gear oil type		GEAR CASE LUBE		
Gear oil grade	SAE	90		
Gear oil quantity	cm ³ (US oz, Imp oz)	980 (33.1, 34.6)	870 (29.4, 30.7)	980 (33.1, 34.6)
Bracket unit		-4 to 16		
Trim angle (at 12° boat transom)	Degree	-4 to 16		
Tilt-up angle	Degree	70		
Steering angle	Degree	32 + 32		
Drive unit		F-N-R		
Gear shift positions		F-N-R		
Gear ratio		1.86 (26/14)	2.00 (28/14)	
Reduction gear type		Spiral bevel gear		
Clutch type		Dog clutch		
Propeller shaft type		Spline		
Propeller direction (rear view)		Clockwise	Counter- clockwise	Clockwise
Propeller mark		M	ML	M
Electrical				
Battery minimum capacity ^(*3)				
CCA/SAE	A	512		
MCA/ABYC	A	675		
RC/SAE	Minute	182		

(*1) RON: Research Octane Number

PON: Pump Octane Number = (RON + Motor Octane Number)/2

(*2) If 2-stroke outboard motor oil is not available, a 2-stroke NMMA-certified TC-W3 oil of equivalent quality must be used.

(*3) CCA: Cold Cranking Ampere

MCA: Marine Cranking Ampere

ABYC: American Boat and Yacht Council

SAE: Society of Automotive Engineers

RC: Reserve Capacity

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Item	Unit	Model	
		Z175TR	VZ175TR
Dimension			
Overall length	mm (in)	792 (31.2)	
Overall width	mm (in)	554 (21.8)	
Overall height			
(L)	mm (in)	—	1,693 (66.7)
(X)	mm (in)	1,782 (70.2)	—
Boat transom height			
(L)	mm (in)	—	508 (20.0)
(X)	mm (in)	635 (25.0)	—
Weight			
(without propeller)			
(L)	kg (lb)	—	213 (470)
(X)	kg (lb)	216 (476)	—
Performance			
Maximum output	kW (hp)	128.7 (175) at 5,000 r/min	
Full throttle operating range	r/min	4,500–5,500	
Maximum fuel consumption	L (US gal, Imp gal)/hr	64.0 (16.9, 14.1) at 5,500 r/min	
Engine idle speed	r/min	750 ± 30	700 ± 30
Power unit			
Type		2-stroke, 76°, V6, HPDI	
Total displacement	cm ³ (cu. in)	2,596 (158.4)	
Bore × stroke	mm (in)	90.0 × 68.0 (3.54 × 2.68)	
Compression ratio		Cylinders #1–#4: 6.5 Cylinders #5–#6: 6.1	
Control system		Remote control	
Starting system		Electric starter	
Enrichment system		Fuel injection	
Ignition control system		TCI	
Maximum generator output	V, A	12, 45	
Spark plug		BKR7EKU (NGK)	
Cooling system		Water	
Exhaust system		Propeller boss	
Lubrication system		Oil injection	

General specifications

Item	Unit	Model	
		Z175TR	VZ175TR
Fuel and oil			
Fuel type		Regular unleaded gasoline	
Fuel minimum rating	RON ^(*1)	90	
	PON	86	
Engine oil ^(*2)		YAMALUBE 2-stroke outboard motor oil	
Engine oil tank capacity			
Oil tank	L (US gal, Imp gal)	0.9 (0.24, 0.20)	
Remote oil tank	L (US gal, Imp gal)	10.5 (2.77, 2.31)	
Gear oil type		GEAR CASE LUBE	
Gear oil grade	SAE	90	
Gear oil quantity	cm ³ (US oz, Imp oz)	980 (33.1, 34.6)	
Bracket unit			
Trim angle (at 12° boat transom)	Degree	-4 to 16	
Tilt-up angle	Degree	70	
Steering angle	Degree	32 + 32	
Drive unit			
Gear shift positions		F-N-R	
Gear ratio		1.86 (26/14)	
Reduction gear type		Spiral bevel gear	
Clutch type		Dog clutch	
Propeller shaft type		Spline	
Propeller direction (rear view)		Clockwise	
Propeller mark		M	
Electrical			
Battery minimum capacity ^(*3)			
CCA/SAE	A	512	
MCA/ABYC	A	675	
RC/SAE	Minute	182	

(*1) RON: Research Octane Number

PON: Pump Octane Number = (RON + Motor Octane Number)/2

(*2) If 2-stroke outboard motor oil is not available, a 2-stroke NMMA-certified TC-W3 oil of equivalent quality must be used.

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Item	Unit	Model		
		Z200TR	LZ200TR	VZ200TR
Dimension				
Overall length	mm (in)	792 (31.2)		
Overall width	mm (in)	554 (21.8)		
Overall height				
(L)	mm (in)	—		1,693 (66.7)
(X)	mm (in)	1,782 (70.2)		—
Boat transom height				
(L)	mm (in)	—		508 (20.0)
(X)	mm (in)	635 (25.0)		—
Weight				
(without propeller)				
(L)	kg (lb)	—		213 (470)
(X)	kg (lb)	216 (476)		—
Performance				
Maximum output	kW (hp)	147.1 (200) at 5,000 r/min		
Full throttle operating range	r/min	4,500–5,500		
Maximum fuel consumption	L (US gal, Imp gal)/hr	68.0 (18.0, 15.0) at 5,500 r/min		
Engine idle speed	r/min	700 ± 30		
Power unit				
Type		2-stroke, 76°, V6, HPDI		
Total displacement	cm ³ (cu. in)	2,596 (158.4)		
Bore × stroke	mm (in)	90.0 × 68.0 (3.54 × 2.68)		
Compression ratio		Cylinders #1–#4: 6.3 Cylinders #5–#6: 6.0		
Control system		Remote control		
Starting system		Electric starter		
Enrichment system		Fuel injection		
Ignition control system		TCI		
Maximum generator output	V, A	12, 45		
Spark plug		BKR7EKU (NGK)		
Cooling system		Water		
Exhaust system		Propeller boss		
Lubrication system		Oil injection		

General specifications

Item	Unit	Model		
		Z200TR	LZ200TR	VZ200TR
Fuel and oil		Regular unleaded gasoline		
Fuel type		Regular unleaded gasoline		
Fuel minimum rating	RON ^(*1)	90		
	PON	86		
Engine oil ^(*2)		YAMALUBE 2-stroke outboard motor oil		
Engine oil tank capacity		0.9 (0.24, 0.20)		
Oil tank	L (US gal, Imp gal)	0.9 (0.24, 0.20)		
Remote oil tank	L (US gal, Imp gal)	10.5 (2.77, 2.31)		
Gear oil type		GEAR CASE LUBE		
Gear oil grade	SAE	90		
Gear oil quantity	cm ³ (US oz, Imp oz)	980 (33.1, 34.6)	870 (29.4, 30.7)	980 (33.1, 34.6)
Bracket unit				
Trim angle (at 12° boat transom)	Degree	-4 to 16		
Tilt-up angle	Degree	70		
Steering angle	Degree	32 + 32		
Drive unit		F-N-R		
Gear shift positions		F-N-R		
Gear ratio		1.86 (26/14)		
Reduction gear type		Spiral bevel gear		
Clutch type		Dog clutch		
Propeller shaft type		Spline		
Propeller direction (rear view)		Clockwise	Counter- clockwise	Clockwise
Propeller mark		M	ML	M
Electrical				
Battery minimum capacity ^(*3)				
CCA/SAE	A	512		
MCA/ABYC	A	675		
RC/SAE	Minute	182		

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