

# Z MASTER® COMMERCIAL ZERO-TURN RIDERS

CONFIGURATIONS	Z500	Z550	Z580	Z580-D	Z590-D
27 hp Kohler® OHV V-Twin	52" / 60"	52" / 60" / 72"	-	-	-
28 hp Kawasaki® OHV V-Twin	-	52" / 60" / 72"	-	-	-
29 hp Kawasaki DFI V-Twin	-	-	60" / 72"	-	-
25 hp Kubota® Diesel	-	-	-	52" / 60" / 72"	-
27 hp Daihatsu® Diesel	-	-	-	-	60" / 72"

## POWER SYSTEM

Heavy-Duty Canister Air Cleaner	Standard	Standard	Standard	Standard	Standard
Clutch	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Hydraulic Pumps (2)	Hydro-Gear® 10 cc/rev	Hydro-Gear 12 cc/rev w/system check relief and cooling fans	Hydro-Gear 16 cc/rev w/system check relief and oil cooler	Hydro-Gear 16 cc/rev w/system check relief and oil cooler	Hydro-Gear 21 cc/rev w/system check relief and oil cooler
Wheel Motors (2)	Parker® 14.5 cir 1-1/4" tapered shaft	Parker 14.5 cir 1-1/4" tapered shaft	Hydro-Gear 18 cir 1-1/4" tapered shaft	Hydro-Gear 18 cir 1-1/4" tapered shaft	Parker 17.1 cir 1-1/4" tapered shaft
Maximum Ground Speed (fwd/rev)	8.5 mph/4.9 mph	10 mph/6.3 mph	11.2 mph/6.3 mph	11.2 mph/6.3 mph	12 mph/8 mph
Hour Meter	Standard	Standard	Standard	Standard	Standard
Rear Drive Tires	24" x 12" - 12" (52" = 23" x 9.5" - 12")	24" x 12" - 12" (52" = 23" x 9.5" - 12")	24" x 12" - 12"	24" x 12" - 12" (52" = 23" x 9.5" - 12")	26" x 12" - 12"
Front Caster Tires	13" x 6.5" - 6" Pneumatic	13" x 6.5" - 6" Flat-free Semi-pneumatic	13" x 6.5" - 6" Flat-free Semi-pneumatic	13" x 6.5" - 6" Flat-free Semi-pneumatic	13" x 6.5" - 6" Flat-free Semi-pneumatic
Fuel / Capacity	Gasoline / 12 gallons	Gasoline / 12 gallons	Gasoline / 12 gallons	Diesel / 12 gallons	Diesel / 12 gallons

## MOWING DECKS

Type	7-Gauge	TURBO FORCE®	TURBO FORCE	TURBO FORCE	TURBO FORCE
Deck Construction	Fabricated, 7-gauge steel w/reinforcing guard	Fabricated, 7-gauge steel w/ bull-nose bumper	Fabricated, 7-gauge steel w/ bull-nose bumper	Fabricated, 7-gauge steel w/ bull-nose bumper	Fabricated, 7-gauge steel w/ bull-nose bumper
Deck Material	High-strength steel	High-strength steel	High-strength steel	High-strength steel	High-strength steel
Deck Depth	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"
Adjustable Discharge Baffle	N/A	Standard	Standard	Standard	Standard
Spindle Housings	9-3/8" diameter cast iron	9-3/8" diameter cast iron	9-3/8" diameter cast iron	9-3/8" diameter cast iron	9-3/8" diameter cast iron
Spindle Shaft/Bearings	1" shaft/ball bearings	1" shaft/tapered roller	1" shaft/tapered roller	1" shaft/tapered roller	1" shaft/tapered roller
Blades	1/4" heat treated steel	1/4" heat treated steel	1/4" heat treated steel	1/4" heat treated steel	1/4" heat treated steel
Blade Tip Speed	18,500+ ft/min	18,500+ ft/min	18,500+ ft/min	18,500+ ft/min	18,500+ ft/min
Belt Construction	Aramid Fiber V-Belt	Aramid Fiber V-Belt	Aramid Fiber V-Belt	Aramid Fiber V-Belt	Aramid Fiber V-Belt
Enhanced Belt Wrap	Minimizes belt slip	Minimizes belt slip	Minimizes belt slip	Minimizes belt slip	Minimizes belt slip
Discharge Chute	Rubber	Rubber	Rubber	Rubber	Rubber
Cutting Height	1-1/2" - 5"	1-1/2" - 5"	1-1/2" - 5"	1-1/2" - 5"	1-1/2" - 5"
Anti-Scalp Rollers - 52"	3 standard, 2 optional	5 standard	-	5 standard	-
Anti-Scalp Rollers - 60"/72"	4 standard, 2 optional	6 standard	6 standard	6 standard	6 standard
Carrier Frame Construction	2" x 2" x 3/16" steel	2" x 2" x 3/16" steel	2" x 2" x 3/16" steel	2" x 2" x 3/16" steel	2" x 2" x 3/16" steel

## FEATURES

Steering Controls	1-5/8" diameter grips adjustable, dampened	1-5/8" diameter grips adjustable, dampened	1-5/8" diameter grips adjustable, dampened	1-5/8" diameter grips adjustable, dampened	1-5/8" diameter grips adjustable, dampened
Floor Pan	Pierced, extruded tread No-tools deck access	Pierced, extruded tread No-tools deck access	Pierced, extruded tread No-tools deck access	Pierced, extruded tread No-tools deck access	Pierced, extruded tread No-tools deck access
Seat	Elastomeric	Elastomeric	Elastomeric	Elastomeric	Deluxe Suspension
Seat Belt	Retractable	Retractable	Retractable	Retractable	Retractable
Arm Rests	Standard	Standard	Standard	Standard	Standard
Seat Suspension System	Optional	Optional	Optional	Optional	Standard
Beverage Holder	Standard	Standard	Standard	Standard	Standard
Folding ROPS	Standard	Standard	Standard	Standard	Standard
Z Stand®	Optional	Optional	Optional	Optional	Standard
Deck Lift Assist Pedal	Optional	Standard	Standard	Standard	Standard

MODEL	Weight	ROPS Height Folded	ROPS Height Upright	Deck Width	Deflector Width	Length
74291 - 27 hp Koh/52" 7-GA Deck	1086 lbs	53"	72"	53.7"	68"	79.5"
74292 - 27 hp Koh/60" 7-GA Deck	1137 lbs	53"	72"	61.7"	76"	81.5"
74282 - 27 hp Koh/52" TF Deck	1144 lbs	53"	72"	53.7"	68"	79.5"
74283 - 27 hp Koh/60" TF Deck	1187 lbs	53"	72"	61.7"	76"	81.5"
74284 - 27 hp Koh/72" TF Deck	1246 lbs	53"	72"	73.6"	88"	84.5"
74271 - 28 hp Kaw/52" TF Deck	1184 lbs	53"	72"	53.7"	68"	79.5"
74272 - 28 hp Kaw/60" TF Deck	1227 lbs	53"	72"	61.7"	76"	81.5"
74273 - 28 hp Kaw/72" TF Deck	1286 lbs	53"	72"	73.6"	88"	84.5"
74253 - 29 hp Kaw DFI/60" TF Deck	1423 lbs	53"	72"	61.7"	76"	81.5"
74254 - 29 hp Kaw DFI/72" TF Deck	1482 lbs	53"	72"	73.6"	88"	84.5"
74266 - 25 hp Diesel/52" TF Deck	1443 lbs	53"	72"	53.7"	68"	79.5"
74267 - 25 hp Diesel/60" TF Deck	1484 lbs	53"	72"	61.7"	76"	81.5"
74274 - 25 hp Diesel/72" TF Deck	1543 lbs	53"	72"	73.6"	88"	84.5"
74268 - 27 hp Diesel/60" TF Deck	1644 lbs	55"	74"	61.7"	76"	86.0"
74269 - 27 hp Diesel/72" TF Deck	1709 lbs	55"	74"	73.6"	88"	89.0"

## Z500 Series Collection Systems

### E-Z VAC TWIN BAGGER

Deck-mounted, spindle-driven fan; 2 commercial-grade mesh bags w/reinforced front & bottom; 10 cu. ft. capacity (8 bushels).

┌ 52" deck - 107.2" (272.3cm)    W 52" deck - 66.5" (168.9cm)

### E-Z VAC TRIPLE BAGGER

Deck-mounted, spindle-driven fan; 3 commercial-grade mesh bags w/reinforced front & bottom; 16.7 cu. ft. capacity (13.4 bushels).

┌ 60" deck - 110.0" (279.4cm)    W 60" deck - 74.9" (190.2cm)  
72" deck - 113.2" (287.5cm)    72" deck - 87.4" (222.0cm)

### E-Z VAC DFS (Dump-from-the-seat)

Deck mounted, spindle-driven fan; Dump-from-the-seat, commercial grade steel and polyethylene hopper; 13.7 cu. ft. capacity (11 bushels).

┌ 60" deck - 112.8" (286.5cm)    W 60" deck - 74.9" (190.2cm)  
72" deck - 116.0" (294.6cm)    72" deck - 87.4" (222.0cm)

The gross horsepower of these engines was laboratory rated by the engine manufacturer in accordance with SAE J1940. As configured to meet safety, emission, and operating requirements, the actual engine horsepower on these classes of mowers will be significantly lower.

\* Length & width measurements are as installed.

CONFIGURATIONS	Z400	Z450	Z300
19 hp Kawasaki® KAI OHV V-Twin	-	-	34" / 40"
21 hp Kawasaki OHV V-Twin	48" / 52"	-	-
23 hp Kawasaki OHV V-Twin	-	48"/52"	-

## POWER SYSTEM

Heavy-Duty Canister Air Cleaner	Standard	Standard	Optionals
Clutch	175 ft-lb electromagnetic	175 ft-lb electromagnetic	125 ft-lb electromagnetic
Hydraulic Pumps (2)	Hydro-Gear 10 cc/rev	Hydro-Gear 10 cc/rev	Dual integrated hydrostatic transaxles w/steel cut gears, charge pumps, pressure relief valves and oil filters
Wheel Motors (2)	Hydro-Gear 15.1 cir 1-1/4" tapered shaft	Hydro-Gear 15.1 cir 1-1/4" tapered shaft	8.0 mph / 5.0 mph
Maximum Ground Speed (fwd/rev)	8.5 mph / 4.9 mph	8.5 mph / 4.9 mph	8.0 mph / 5.0 mph
Hour Meter	Standard	Standard	Standard
Rear Drive Tires	23" x 9.5" - 12"	23" x 9.5" - 12"	18" x 7.5" - 8" (34" deck) 18" x 8.5" - 8" (40" deck)
Front Caster Tires	13" x 5" - 6" Pneumatic	13" x 5" - 6" Flat-free Semi-pneumatic	11" x 4" - 5" Flat-free Semi-pneumatic
Fuel / Capacity	Gasoline / 10 gallons	Gasoline / 10 gallons	Gasoline / 7.7 gallons

## MOWING DECKS

Type	7-gauge	TURBO FORCE	7-gauge
Deck Construction	Fabricated, 7-gauge steel w/re-inforcing guard	Fabricated, 7-gauge steel w/ bull-nose bumper	Fabricated, 7-gauge steel
Deck Material	High-strength steel	High-strength steel	High-strength steel
Deck Depth	5-1/2"	5-1/2"	5"
Adjustable Discharge Baffle	N/A	Standard	N/A
Spindle Housings	9-3/8" diameter cast iron	9-3/8" diameter cast iron	9-3/8" diameter cast iron
Spindle Shaft/Bearings	1" shaft/ball bearings	1" shaft/ball bearings	1" shaft/ball bearings
Blades	1/4" heat treated steel	1/4" heat treated steel	1/4" heat treated steel
Blade Tip Speed	18,500+ ft/min	18,500+ ft/min	18,500+ ft/min
Belt Construction	Aramid Fiber V-Belt	Aramid Fiber V-Belt	Aramid Fiber V-Belt
Enhanced Belt Wrap	Minimizes belt slip	Minimizes belt slip	Minimizes belt slip
Discharge Chute	Rubber	Rubber	Rubber
Cutting Height	1-1/2" - 4-1/2"	1-1/2" - 4-1/2"	1" - 5"
Anti-Scalp Rollers - 34" / 48"	3 standard, 1 optional	3 standard, 1 optional	2 standard
Anti-Scalp Rollers - 40" / 52"	3 standard, 2 optional	3 standard, 2 optional	3 standard
Carrier Frame Construction	2" x 2" x 3/16" steel	2" x 2" x 3/16" steel	1-1/2" x 2" x 3/16" steel

## OPERATOR ZONE

Steering Controls	1-5/8" diameter grips adjustable, dampened	1-5/8" diameter grips adjustable, dampened	1-5/16" diameter grips adjustable, dampened
Floor Pan	Pierced, extruded tread No-tools deck access	Pierced, extruded tread No-tools deck access	Pierced, extruded tread
Seat	Elastomeric	Elastomeric	Molded
Seat Belt	Retractable	Retractable	N/A
Arm Rests	Standard	Standard	Standard
Seat Suspension System	Optional	Optional	N/A
Beverage Holder	Standard	Standard	N/A
Folding ROPS	Standard	Standard	N/A
Z Stand	Optional	Optional	N/A
Deck Lift Assist Pedal	Optional	Optional	Standard

MODEL	Weight	ROPS Height		Deck	Width Deflector	Length
		Folded	Upright			
74448 - 21 hp Kaw/48" 7-GA Deck	1077 lbs	52"	70"	49.7"	64"	78"
74449 - 21 hp Kaw/52" 7-GA Deck	1102 lbs	52"	70"	53.7"	68"	78"
74417 - 23 hp Kaw/48" TF Deck	1079 lbs	52"	70"	49.7"	64"	78"
74416 - 23 hp Kaw/52" TF Deck	1104 lbs	52"	70"	53.7"	68"	78"
74408 - 19 hp Kaw/34" 7-GA Deck	575 lbs	-	-	35.0"	49.3"	72"
74409 - 19 hp Kaw/40" 7-GA Deck	595 lbs	-	-	41.0"	55.3"	72"

## Z400 Series Collection Systems

### E-Z VAC TWIN BAGGER

Deck-mounted, spindle-driven fan; 2 commercial-grade mesh bags w/reinforced front & bottom; 10 cu. ft. capacity (8 bushels).

L 48" deck - 95.5" (242.6cm)	W 48" deck - 61.7" (156.7cm)
52" deck - 95.5" (242.6cm)	52" deck - 66.5" (168.9cm)

### E-Z VAC DFS (Dump-from-the-seat)

Deck mounted, spindle-driven fan; Dump-from-the-seat, commercial grade steel and polyethylene hopper; 8.3 cu. ft. capacity (6.7 bushels).

L 48" deck - 98.3" (249.7cm)	W 48" deck - 61.7" (156.7cm)
52" deck - 98.3" (249.7cm)	52" deck - 66.5" (168.9cm)

\* Length & width measurements are as installed.