

MOWER SPECIFICATIONS

KOHLER.

747cc

ANOTHER MODEL ON NEXT PAGE

OUTLAW MODELS

| | 810cc |
|--|--------------|
|--|--------------|

| Detking Meight 1*-5.5" with Deck Height Control System 1*-5.5" with Deck Height Control System Bides S400/14" x2 1/2" x18 3/4", High Lift, Heat Treated S400/14" x2 1/2" x18 3/4", High Lift, Heat Treated Lift and Neight Adjustment Fool-Assist Manual Deck Lift Fool-Assist Manual Deck Lift Bide Belt Single V-Bat Spring Transion Single V-Bat Spring Transion ArtH Scap Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Deck Floation Foota Assist Manual Deck Lift Foota Assist Manual Deck Lift Bide Belt Single V-Bat Spring Transion Single V-Bat Spring Transion Deck Floation Foota Assist Manual Deck Hingers Rotats on (4) 14" Deck Hangers Deck Floation Foota Sold Steel 1/4" Trick Sold Steel 1/4" Trick Sold Steel EXIM Stapp Sold Steel 1/4" Trick Sold Steel 1/4" Trick Sold Steel Poils Stapp Sold Steel 1/4" Trick Sold Steel 1/4" Sold Steel EXIMation Stapp Sold Steel 1/4" Trick Sold Steel 1/4" Sold Steel EXIMation Stapp Sold Steel 1/4" Sold Steel 1/4" Sold Steel EXIMatin Tropic | Cutting Width | 5400 /54″; 6100 /61″ | 5400 /54″; 6100 /61″ |
|--|----------------------------|--|--|
| Blades 5400/14" x2 1/2" x 18 3/4", High Lift, Heat Treated 5400/14" x2 1/2" x 12 'x 21', High Lift, Heat Treated Kift and Height Adjustment Foot-Assist Manual Deck Lift Foot-Assist Manual Deck Lift Blade Belt Single V-Sett Spring Tension Single V-Sett Spring Tension Att-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Flotas on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Variant State on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Variant State on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Beck Flotation Variant State on (4) 14" Deck Hangers Flotas on (4) 14" Deck Hangers Belstretion State | | | |
| F100/14"x 2 1/2" x 21", High Lift, Heat Treated F100/14"x 2 1/2" x 21", High Lift, Heat Treated Lift and Height Adjustment Foot-Assist Manual Deck Lift Foot-Assist Manual Deck Lift Bade Belt Single V-Bet Spring Treston Single V-Bet Spring Treston Atti-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Deck Flotation Flotats on (1 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (1 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (1 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (1 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers Flotats on (4) 14" Deck Hangers Deck Flotation Flotats on (4) 14" Deck Hangers | | ~ , | |
| Lift and Height Adjustment Foot-Assist Manual Dack Lift Foot-Assist Manual Dack Lift Blace Belt Single V-Belt Spring Tension Single V-Belt Spring Tension Ant-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Beck Thickess 1/4" Thick Add Stell 1/4" Thick Hangers Deck Thickess 1/4" Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Thick Sold Stell Sold Stell 1/4" Thick Sold Stell ENGINE Tenses Tenses 7/4" cc Maximum Tengue 42 ft. ft. bs. de 200 RPM Ending Feel Requirement Unitaded Gasoline (87 Octane or higher) Unitaded Gasoline (87 Octane or higher) Ending System 20 anp | Piddoo | _ | - |
| Biade Beit Single V-Beit Spring Tension Single V-Beit Spring Tension Arti-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Beck Flotation Floats on (4) 147 'Deck Hangers Floats on (4) 147 'Deck Hangers Beck Flotation Floats on (4) 147 'Deck Hangers Floats on (4) 147 'Deck Hangers Beck Flotation 147 'Thck Solid Steel 147 'Thck Solid Steel Beck Thickness 147 'Thck Solid Steel 147 'Thck Solid Steel Beck Thickness 90 Degree V-Twin V-Twin Opspacement 810 co 747 co Maximum Torque 42 ft. Ibs. @ 2400 RPM 42.4 ft. Ibs. @ 2600 RPM Feel Gapacity 13.8 Gallons 13.8 Gallons Feel Gapacity 13.8 Gallons 13.8 Gallons Feel Gapacity 13.8 Gallons 13.8 Gallons Starter 12 Volt 12 Volt Charging System 20 amp 20 amp Buixt's SYSTEM Transmission Industrial Grade Dual Integrated Hydrostatic Transavia Pump Drive Integrated Axial Piston Pump & Motor wPlanetary Gear Integrated Axial Piston Pump & Motor wPlanetar | | | |
| Biade Beit Single V-Beit Spring Tension Single V-Beit Spring Tension Arti-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Beck Flotation Floats on (4) 147 'Deck Hangers Floats on (4) 147 'Deck Hangers Beck Flotation Floats on (4) 147 'Deck Hangers Floats on (4) 147 'Deck Hangers Beck Flotation 147 'Thck Solid Steel 147 'Thck Solid Steel Beck Thickness 147 'Thck Solid Steel 147 'Thck Solid Steel Beck Thickness 90 Degree V-Twin V-Twin Opspacement 810 co 747 co Maximum Torque 42 ft. Ibs. @ 2400 RPM 42.4 ft. Ibs. @ 2600 RPM Feel Gapacity 13.8 Gallons 13.8 Gallons Feel Gapacity 13.8 Gallons 13.8 Gallons Feel Gapacity 13.8 Gallons 13.8 Gallons Starter 12 Volt 12 Volt Charging System 20 amp 20 amp Buixt's SYSTEM Transmission Industrial Grade Dual Integrated Hydrostatic Transavia Pump Drive Integrated Axial Piston Pump & Motor wPlanetary Gear Integrated Axial Piston Pump & Motor wPlanetar | | | |
| Asti-Scalp Rollers 6 Total (4 on the front, 2 on the rear) 6 Total (4 on the front, 2 on the rear) Deck Flotation Floats on (4) 147 Deck Hangers Floats on (4) 147 Deck Hangers Deck Flotation 147 Thick Solid Steel 147 Thick Solid Steel Back Thickness 1147 Thick Solid Steel 147 Thick Solid Steel Back Thickness 1147 Thick Solid Steel 147 Thick Solid Steel Back Thickness 1147 Thick Solid Steel 147 Thick Solid Steel Back Thickness 90 Degree V-Twin V-Twin Displacement 810 oc 747 cc Ar-Cooled Kohler Confidant Maximum Torque 42 ft. Ibs. @ 2400 RPM 424 ft. Ibs. @ 2600 RPM Fael Requirement Unleaded Gasoline (87 Octane or higher) Unleaded Gasoline (87 Octane or higher) Fael Requirement Unleaded Gasoline (87 Octane or higher) Unleaded Gasoline (87 Octane or higher) Fael Filter Replaceable Automotive Type Replaceable Automotive Type Cooling System Air-Cooled Air-Cooled Starter 12 Volt Caraging System 20 anp DRIVE SYSTEM T T Transaxie Transmission Industrial Grade Dual Integrated Hydrostatic Transaxie Industrial Grade Dual Metry wPlanetary Gear Mydraulic Elistic 200W50 Motor Ol 20W50 Motor WPlanetary Gear | Lift and Height Adjustment | Foot-Assist Manual Deck Lift | Foot-Assist Manual Deck Lift |
| Deck Flotation Floats on (4) 1/4" Deck Hangers Floats on (4) 1/4" Deck Hangers Deck Thickness 1/4" Thick Solid Steel 1/4" Thick Solid Steel ExKink | Blade Belt | Single V-Belt Spring Tension | Single V-Belt Spring Tension |
| Deck Thickness 1/4"Thick Solid Steel EKGNIE | Anti-Scalp Rollers | 6 Total (4 on the front, 2 on the rear) | 6 Total (4 on the front, 2 on the rear) |
| Deck Thickness 1/4"Thick Solid Steel EKGNIE | | | |
| ENGINE Gross Bivespower 810cc Vanguard 747cc Air-Cooled Kohler Confidant Cylinders 90 Degree V-Twin V-Twin Displacement 810 cc 747 cc Maximum Torque 42 ft. lbs. @ 2000 RPM 42.4 ft. lbs. @ 2000 RPM Feel Requirement Unleaded Gasoline (87 Octane or higher) Unleaded Gasoline (87 Octane or higher) Feel Capacity 13.8 Gallons 13.8 Gallons Starter Replaceable Automotive Type Replaceable Automotive Type Cooling System 20 amp 20 amp DRIVE SYSTEM Transmission Industrial Grade Dual Integrated Hydrostatic Transaxie Hydrostatic System 01 Hydro-Gear Integrated 4400 Series Transaxie Hydrostatic System V/Planetary Gear Hydrostatic System 01 Hydro-Gear Integrated 4400 Series Transaxie Hydro-Gear Integrated 4400 Series Transaxie Hydraulic Filter 20W50 Motor Oil 20W50 Motor Oil 20W50 Motor Oil Pumps [2] | | | |
| Bross Horsepower810cc Vanguard747cc Air-Cooled Kohler ConfidantCylinders90 Degree V-twinV-TwinDisplacement810 cc747 ccMaximum Torque42 ft. lbs. (# 2400 RPM42 ft. lbs. (# 2600 RPMFuel RequirementUnleaded Gasoline (#7 Octane or higher)Unleaded Gasoline (#7 Octane or higher)Fuel RequirementUnleaded Gasoline (#7 Octane or higher)Unleaded Gasoline (#7 Octane or higher)Fuel FilterReplacable Automotive TypeReplacable Automotive TypeCooling SystemAir-CooledAir-CooledFuel FilterReplacable Automotive TypeReplacable Automotive TypeCooling System20 art12 VoltStarter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEMTTransaxleTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionReductionHydrastatic System OIIHydro-Gear Integrated At400 Series TransaxleHydro-Gear Integrated At400 Series TransaxleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9*3600 RPM Cooling Far: One per Unit9*3600 RPM Cooling Far: One per UnitOverall Leight5400/f20 Ibs.5400/f20 Ibs.Overall Leight5400/f20 /f100/f66*5400/f27 6100/f62 Hz"Tres —Front5400/f27 f100/f66*5400/f27 | | 1/4" Thick Solid Steel | 1/4"Thick Solid Steel |
| Cylinders90 Degree V-TwinV-TwinDisplacement810 cc747 ccMaximum Torque421 t. Ibs. @ 2400 RPM424 t. Ibs. @ 2400 RPMFuel RequirementUnleaded Gasoline (87 Octane or higher)Unleaded Gasoline (87 Octane or higher)Fuel Capacity13.8 Gallons13.8 GallonsFuel Capacity12.0 Collent12.0 CollentStarter12.0 Vith12.0 VithCharging System20.0 anp20.0 anpDBRVE SYSTEMIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearPump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearPurp Size DOIIHydro-Gear Integrated 4400 Series TransaxieHydro-Gear Integrated 4400 Series TransaxiePurp Lipcatic System OilHydro-Gear Integrated Atol Series TransaxieHy | | | |
| Displacement810 cc747 ccMaximum Torque42.1t. Ibs. @ 2600 RPM42.4t. Ibs. @ 2600 RPMFuel RequirementUnleaded Gasoline (87 Octane or higher)Unleaded Gasoline (87 Octane or higher)Fuel Capoity13.8 Gallons13.8 GallonsFuel Capoity13.8 Gallons13.8 GallonsFuel FilterReplaceable Automotive TypeReplaceable Automotive TypeCooling SystemAir-CooledAir-CooledIgnitionElectronicElectronicStarter12 Volt12 VoltObarging System20 amp20 ampDRIVE SYSTEMTTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxieIndustrial Grade Dual Integrated Hydrostatic TransaxieWheel DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionReductionHydro-Gear Integrated 4400 Series TransaxieHydro-Gear Integrated 4400 Series TransaxieHydraulic Coolers (2)Internal, Replaceable. 1 per axleHydro-Gear I cc PumpWeight9° 3600 RPM Cooling Far. One per Unit9° 3600 RPM Cooling Far. One per UnitOverall Leight5400/62 1/2°; 6100/73 1/25400/52 1/20° 1/200/56°Tires—Freat13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth TreadZak12-12 Turt TreadUal Lever Steering, Independent ControlDual Lever Steering, Independent ControlDural Lever SteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTres—Freat | • | | |
| Maximum Torque42 ft. lbs. @ 2400 RPM42.4 ft. lbs. @ 2600 RPMFuel RequirementUnleaded Gasoline (87 Octane or higher)Unleaded Gasoline (87 Octane or higher)Fuel Capacity13.8 Gallons13.8 GallonsFuel FilterReplaceable Automotive TypeReplaceable Automotive TypeCooling SystemAir-CooledAir-CooledIgnitionElectronicElectronicStarter12 Volt12 VoltCharging Systemand CooledJoint CooledBitre System20 amp20 ampBitre System20 amp20 ampBitre SystemIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIndustrial Grade Dual Integrated Hydrostatic TransaxleIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionReductionHydraulic Filter200%00 Motor Oil20W50 Motor OilPump S(2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Far: One per Unit9"3600 RPM Cooling Far: One per UnitOverall Height5400/1180 hs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Undth48"48"Overall Length5400/52 7 6100/56"5400/52 7 6100/56"Tires -Freer13 x 6.5 -6 Smooth Tread13 x 6.5 -6 Smooth Tread24x12-12 Turt Tread24x12-12 Turt Tread24x12-12 Turt Tread24x12-12 T | | · | |
| Fuel RequirementUnleaded Gasoline (87 Octane or higher)Unleaded Gasoline (87 Octane or higher)Fuel Capacity13.8 Gallons13.8 GallonsFuel FilterReplaceable Automotive TypeReplaceable Automotive TypeCooling SystemAir-CooledAir-CooledJantionElectronicElectronicStater12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEMTTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Titter200%0 Motor Oil200%0 Motor OilPump S(2)Internal, Replaceable. 1 per axleHydro-Gear Integrated 4400 Series TransaxleHydraulic Coolers (2)Hydro-Gear Integrated Net Online200%0 Motor OilOverall Height5400/F1180 Ibs. 6400/F120 Ibs.5400/F1180 Ibs. 6100/F120 Ibs.Overall Height6400/F1180 Ibs. 6100/F120 Ibs.6400/F1180 Ibs. 6100/F120 Ibs.Overall Height5400/F21 (5100/F3 1/25400/F51 (75 (6100/F3 1/2)Tires - Flear13 x 6.5-6 Smooth Tread13 x 6.5-6 Smooth Tread24x12-12 Turt Tread24x12-12 Turt Tread24x12-12 Turt TreadSteeringDua Lever Steering, Independent ControlDua Lever Steering, Independent ControlSteeringDua Lever Steering, Independent | • | 810 cc | 747 cc |
| Fuel Capacity13.8 Gallons13.8 GallonsFuel FilterReplaceable Automotive TypeReplaceable Automotive TypeCooling SystemAir-CooledAir-CooledIgnitionElectronicElectronicStarter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEMTTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionReductionHydrostatic System OilHydro-Gear Integrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionReductionHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable.1 per axleInternal, Replaceable.1 per axleHydraulic Coolers (2)Hydro-Gear 1 Ce PumpHydro-Gear 1 Ce PumpWeight9"3600 RPM Cooling Far: One per Unit9"3600 RPM Cooling Far: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Height5400/52 / 6100/56"5400/52 / 6100/56"Tires O Tire Withh86"86"Tires – Front5400/52 / 6100/56"5400/52 / 6100/56"Tires – Frear13 x 6.5 – 6 Smooth Tread13 x 6.5 – 6 Smooth Tread24x12-12 Urr Tread24x12-12 Urr Tread24x12- | Maximum Torque | | 42.4 ft. lbs. @ 2600 RPM |
| Fuel FilterReplaceable Automotive TypeReplaceable Automotive TypeCooling SystemAir-CooledAir-CooledIgnitionElectronicElectronicStarter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEMTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydro-Gear Integrated Axial Piston Pump & Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9°3600 RPM Cooling Fam: One per Unit9°3600 RPM Cooling Fam: One per UnitOverall Height5400/180 lbs/6100/1200 lbs.5400/180 lbs/6100/1200 lbs.Overall Height5400/180 lbs/6100/730 lbs.5400/150 lbs/12/7 6100/56"Tires—Front5400/52 / 6100/56"5400/52 / 6100/56"Tires—Feront5400/52 / 6100/56"5400/52 / 6100/56"Tires—Feront13 x 6.5 – 6 Smooth Tread13 x 6.5 – 6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthUp to 11 mph | | Unleaded Gasoline (87 Octane or higher) | Unleaded Gasoline (87 Octane or higher) |
| Cooling SystemAir-CooledAir-CooledIgnitionElectronicElectronicStarter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEMTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter200%50 Motor Oil200%50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Fan: One per Unit9"3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 Ubs /6100/1230 Ubs.5400/1180 Ubs /6100/1230 Ubs.Overall Height5400/521/2", 6100/73 1/25400/55 1/2" fo100/62 1/2".Tire to Tire Width48"86"86"Tires—Feront5400/527 / 6100/56"5400/52 1/2" fo100/56"Tires—Rear13 x 6.5 – 6 Smooth Tread13 x 6.5 – 6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering. Independent ControlDual Lever Steering. Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit Length | Fuel Capacity | 13.8 Gallons | 13.8 Gallons |
| ImplicitionElectronicElectronicStarter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEM20 amp20 ampTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleHydraulic Collers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Fan: One per UnitOverall Height5400/130 lbs /6100/1230 lbs.Overall Leight5400/22 / 6100/73 1/2Stato 52 / 6100/73 1/25400/55 1/27 / 6100/56"Tires —Front5400/22 / 6100/56"Stato 52 / 6100/56"5400/56"Tires —Front5400/56"SteeringDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthGero Bue CollDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mphUp to 11 mph | Fuel Filter | Replaceable Automotive Type | Replaceable Automotive Type |
| Starter12 Volt12 VoltCharging System20 amp20 ampDRIVE SYSTEM20 amp20 ampTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Fan: One per Unit9"3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs. 0/6100/1230 lbs.5400/1180 lbs. 0/6100/1230 lbs.Overall Length5400/527 / 6100/56"5400/527 / 6100/56"Tires—Front5400/527 / 6100/56"5400/527 / 6100/56"Tires—Rear13 x 6.5-6 Smooth Tread13 x 6.5-6 Smooth TreadZiteringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGreen Myseed (forward)Up to 11 mphUp to 11 mph | Cooling System | Air-Cooled | Air-Cooled |
| Charging System20 amp20 ampDRIVE SYSTEMTransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter200W50 Motor Oil200W50 Motor OilPumps (2)Internal, Replaceable.1 per axleInternal, Replaceable.1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Fan: One per Unit9"3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Length5400/52 1/2"; 6100/73 1/25400/55 7 6100/62 1/2"Tires—Front5400/52 7 6100/56"13 x 6.5 - 6 Smooth Tread 24x12-12 Turt TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Ignition | Electronic | Electronic |
| DRIVE SYSTEM Transmission Industrial Grade Dual Integrated Hydrostatic Transaxle Industrial Grade Dual Integrated Hydrostatic Transaxle Pump Drive Integrated Axial Piston Pump & Motor w/Planetary Gear Integrated Axial Piston Pump & Motor w/Planetary Gear Wheel Drive Reduction Reduction Hydrostatic System Oil Hydro-Gear Integrated 4400 Series Transaxle Hydro-Gear Integrated 4400 Series Transaxle Hydraulic Filter 20W50 Motor Oil 20W50 Motor Oil Pumps (2) Internal, Replaceable. 1 per axle Internal, Replaceable. 1 per axle Hydraulic Coolers (2) Hydro-Gear 12 cc Pump Hydro-Gear 12 cc Pump Weight 9"3600 RPM Cooling Fan: One per Unit 9"3600 RPM Cooling Fan: One per Unit Overall Height 5400/1180 lbs /6100/1230 lbs. 5400/1180 lbs /6100/1230 lbs. Overall Length 5400/62 1/2", 6100/73 1/2 5400/551/2" / 6100/62 1/2" Tires Vieth 86" 86" Tires—Front 5400/52" / 6100/56" 5400/52" / 6100/56" Tires—Rear 13 x 6.5–6 Smooth Tread 13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread 24x12-12 Turf Tread 24x12-12 Turf Tread S | Starter | 12 Volt | 12 Volt |
| TransmissionIndustrial Grade Dual Integrated Hydrostatic TransaxleIndustrial Grade Dual Integrated Hydrostatic TransaxlePump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9"3600 RPM Cooling Fan: One per Unit9"3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs/6100/1230 lbs.5400/1180 lbs/6100/1230 lbs.Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2" 6100/62 1/2"Tires – Front5400/52 / 6100/56"5400/52 / 6100/56"Tires-–Rear13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Charging System | 20 amp | 20 amp |
| Pump DriveIntegrated Axial Piston Pump & Motor w/Planetary GearIntegrated Axial Piston Pump & Motor w/Planetary GearWheel DriveReductionReductionHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9 "3600 RPM Cooling Fan: One per Unit9 "3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Width48"48"Overall Length5400/62 1/2", 6100/73 1/25400/55 1/2" fo100/62 1/2"Tires - Front5400/52" / 6100/56"5400/55"Tires Front5400/52" / 6100/56"5400/52" / 6100/56"SteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | DRIVE SYSTEM | | |
| Wheel DriveReductionReductionHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleHydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9" 3600 RPM Cooling Fan: One per Unit9" 3600 RPM Cooling Fan: One per Unit9" 3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.Overall Width48"48"48"Overall Length5400/62 1/2"; 6100/73 1/25400/52 / 6100/52 / 7 6100/56"Tires — Front5400/52 / 6100/56"5400/52 / 6100/56"Tires — Rear13 x 6.5 - 6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mphUp to 11 mph | Transmission | Industrial Grade Dual Integrated Hydrostatic Transaxle | Industrial Grade Dual Integrated Hydrostatic Transaxle |
| Hydrostatic System OilHydro-Gear Integrated 4400 Series TransaxleHydro-Gear Integrated 4400 Series TransaxleHydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9° 3600 RPM Cooling Fan: One per Unit9° 3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Length48°48°Overall Length5400/62 1/2°; 6100/73 1/25400/55 1/2° f 6100/62 1/2°'Tires – Front5400/52″ f 6100/56″5400/52″ f 6100/56″Tires – Front5400/52″ f 6100/56″13 x 6.5 – 6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Pump Drive | Integrated Axial Piston Pump & Motor w/Planetary Gear | Integrated Axial Piston Pump & Motor w/Planetary Gear |
| Hydraulic Filter20W50 Motor Oil20W50 Motor OilPumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydra-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9" 3600 RPM Cooling Fan: One per Unit9" 3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs.6100/1230 lbs.Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2"/6100/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/6100/56"5400/52"/6100/56"Tires—Rear13 x 6.5-6 Smooth Tread 24x12-12 Turf Tread13 x 6.5-6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Wheel Drive | Reduction | Reduction |
| Pumps (2)Internal, Replaceable. 1 per axleInternal, Replaceable. 1 per axleHydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9´´3600 RPM Cooling Fan: One per Unit9´´3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Width48´´48´´Overall Length5400/62 1/2´´, 6100/73 1/25400/55 1/2´´/ 6100/62 1/2´´Tire to Tire Width86´´86´´Tires—Front5400/52´´/ 6100/56´´5400/52´´ f100/56´´Tires—Rear13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Hydrostatic System Oil | Hydro-Gear Integrated 4400 Series Transaxle | Hydro-Gear Integrated 4400 Series Transaxle |
| Hydraulic Coolers (2)Hydro-Gear 12 cc PumpHydro-Gear 12 cc PumpWeight9" 3600 RPM Cooling Fan: One per Unit9" 3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Width48"48"Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2" f010/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/ 6100/56"5400/52 7/ 6100/56"Tires—Rear13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread13 x 6.5–6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Hydraulic Filter | 20W50 Motor Oil | 20W50 Motor Oil |
| Weight9" 3600 RPM Cooling Fan: One per Unit9" 3600 RPM Cooling Fan: One per UnitOverall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Length48"48"Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2"/ 6100/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Rear13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Pumps (2) | Internal, Replaceable. 1 per axle | Internal, Replaceable. 1 per axle |
| Overall Height5400/1180 lbs /6100/1230 lbs.5400/1180 lbs /6100/1230 lbs.Overall Width48"48"Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2"/ 6100/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Rear13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread13 x 6.5–6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Hydraulic Coolers (2) | Hydro-Gear 12 cc Pump | Hydro-Gear 12 cc Pump |
| Overall Width48"48"Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2"/ 6100/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Front13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread13 x 6.5–6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Weight | 9 ⁷ 3600 RPM Cooling Fan: One per Unit | 9 ⁷ 3600 RPM Cooling Fan: One per Unit |
| Overall Length5400/62 1/2"; 6100/73 1/25400/55 1/2"/ 6100/62 1/2"Tire to Tire Width86"86"Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Rear13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread13 x 6.5–6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Overall Height | 5400/1180 lbs /6100/1230 lbs. | 5400/1180 lbs /6100/1230 lbs. |
| Tire to Tire Width86"86"Tires—Front5400/52"/6100/56"5400/52"/6100/56"Tires—Rear13 x 6.5–6 Smooth Tread 24x12-12 Turf Tread13 x 6.5–6 Smooth Tread 24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Overall Width | 48″ | 48″ |
| Tires—Front5400/52"/ 6100/56"5400/52"/ 6100/56"Tires—Rear13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Overall Length | 5400/62 1/2"; 6100/73 1/2 | 5400 /55 1/2 <i>″</i> / 6100 /62 1/2″ |
| Tires—Rear13 x 6.5–6 Smooth Tread13 x 6.5–6 Smooth Tread24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Tire to Tire Width | 86″ | 86″ |
| 24x12-12 Turf Tread24x12-12 Turf TreadSteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Tires—Front | 5400 /52 <i>°</i> / 6100 /56″ | 5400 /52 <i>"</i> / 6100 /56 <i>"</i> |
| SteeringDual Lever Steering, Independent ControlDual Lever Steering, Independent ControlTurning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | Tires—Rear | 13 x 6.5–6 Smooth Tread | 13 x 6.5–6 Smooth Tread |
| Turning RadiusZero Degree, Turns Within Unit LengthZero Degree, Turns Within Unit LengthGround Speed (forward)Up to 11 mphUp to 11 mph | | 24x12-12 Turf Tread | 24x12-12 Turf Tread |
| Ground Speed (forward)Up to 11 mphUp to 11 mph | Steering | Dual Lever Steering, Independent Control | Dual Lever Steering, Independent Control |
| Ground Speed (forward)Up to 11 mphUp to 11 mph | Turning Radius | Zero Degree, Turns Within Unit Length | Zero Degree, Turns Within Unit Length |
| Parking Brake Internal Wet Disk Internal Wet Disk | Ground Speed (forward) | | |
| | Parking Brake | Internal Wet Disk | Internal Wet Disk |

SPECIFICATIONS ARE SUBJECT TO CHANGE.

We're constantly improving our products! For the latest videos, specifications, model improvements and information, please see us at **www.badboymowers.com**. Not responsible for typographical errors. ©2015. Bad Boy, Inc., All Rights Reserved.



MOWER SPECIFICATIONS

| | Kawasaki 726CC |
|----------------------------|---|
| Cutting Width | 5400 /54 <i>"</i> ; 6100 /61 <i>"</i> |
| Cutting Height | 1″–5.5″ with Deck Height Control System |
| Blades | 5400 /1/4″ x 2 1/2″ x 18 3/4″, High Lift, Heat Treated |
| | 6100 /1/4" x 2 1/2" x 21", High Lift, Heat Treated |
| Lift and Height Adjustment | Foot-Assist Manual Deck Lift |
| Blade Belt | Single V-Belt Spring Tension |
| Anti-Scalp Rollers | 6 Total (4 on the front, 2 on the rear) |
| Deck Flotation | Floats on (4) 1/4" Deck Hangers |
| Deck Thickness | 1/4" Thick Solid Steel |
| ENGINE | |
| Gross Horsepower | 726 Air-Cooled Kawasaki FX |
| Cylinders | V-Twin |
| Displacement | 725 cc |
| Maximum Torque | 40 ft. lbs. @ 2600 RPM |
| Fuel Requirement | Unleaded Gasoline (87 Octane or higher) |
| Fuel Capacity | 13.8 Gallons |
| Fuel Filter | Replaceable Automotive Type |
| Cooling System | Air-Cooled |
| Ignition | Electronic |
| Starter | 12 Volt |
| Charging System | 20 amp |
| DRIVE SYSTEM | |
| Transmission | Industrial Grade Dual Integrated Hydrostatic Transaxle |
| Pump Drive | Integrated Axial Piston Pump & Motor w/Planetary Gear |
| Wheel Drive | Reduction |
| Hydrostatic System Oil | Hydro-Gear Integrated 4400 Series Transaxle |
| Hydraulic Filter | 20W50 Motor Oil |
| Pumps (2) | Internal, Replaceable. 1 per axle |
| Hydraulic Coolers (2) | Hydro-Gear 12 cc Pump |
| Weight | 9″3600 RPM Cooling Fan: One per Unit |
| Overall Height | 5400/1180 lbs /6100/1230 lbs. |
| Overall Width | 48″ |
| Overall Length | 5400 /55 1/2 <i>"</i> / 6100 /62 1/2 <i>"</i> |
| Tire to Tire Width | 86″ |
| Tires—Front | 5400 /52 <i>~</i> / 6100 /56 <i>~</i> |
| Tires—Rear | 13 x 6.5–6 Smooth Tread |
| | 24x12-12 Turf Tread |
| Steering | Dual Lever Steering, Independent Control |
| Turning Radius | Zero Degree, Turns Within Unit Length |
| Ground Speed (forward) | Up to 11 mph |
| Parking Brake | Internal Wet Disk |
| | |

SPECIFICATIONS ARE SUBJECT TO CHANGE.

We're constantly improving our products! For the latest videos, specifications, model improvements and information, please see us at **www.badboymowers.com**. Not responsible for typographical errors. ©2015. Bad Boy, Inc., All Rights Reserved.