

The Toro logo is a red rounded rectangle with the word "TORO" in white, bold, sans-serif capital letters.

ProLine H800

DIRECT COLLECT MOWER WITH HIGH-LIFT DUMP

FEATURES

- Yanmar® 24.8 hp (18.5 kW) diesel engine
- Permanent hydrostatic CrossTrax® 4WD
- Maximum ground speed 9.3 mph (0-15km/h)
- Compact & maneuverable design: 57" (1.45 m) maximum width
- Exclusive Smart Airflow direct collection system
- High capacity cutting deck: 4.5" (144mm) deep, 50" (1.3 m) cutting/collection width
- Fixed and floating deck settings (from seat)
- 0.8"–4.3" (20–109mm) electric height of cut adjustment switch (from seat)
- Adjustable full hopper sensor with automatic deck shut off
- Automatic electric-powered grass/material distributor
- Huge 1 cubic yard / 214 gallon (810 liter) vented hopper
- High-lift dump system, maximum height 77" (1.95 m)
- Automatic Diff-Lock engagement on slopes
- Tool-free swing-out radiator and fuel tank
- Tilt-up deck w/46-degree angle
- Flashing beacon, work lights, road lights w/brakes and adjustable



Superior & Faster Collection Performance.

The Toro ProLine H800 direct collect rotary mower with high-lift dump mechanism was engineered for unmatched collection performance and lowest total cost of operation and ownership. Featuring a powerful Yanmar® 24.8 hp (18.5 kW) diesel engine; fast groundspeed up to 9.3 mph (15km/h); our innovative Smart Airflow direct collection design; and 77" (1.95 m) high-lift system that dumps clippings directly into truck beds or trailers, and you can quickly see the ProLine H800 has no equal when comparing overall collection performance and productivity. The ProLine H800 also runs longer without stopping, due to its large 10.8-gallon (41 liter) fuel tank, automatic deck cleaning wipers that prevent the chute from plugging, and innovative sensor technology that automatically shuts off the mowing deck when the hopper is filled. Packed with productivity enhancing features, the ProLine H800 can mow, collect and dispose of up to 3 acres (12,000 m²) of material per hour!



PROLINE H800, MODEL 31050TE	
ENGINE	Yanmar; 3-cylinder, liquid-cooled, diesel. Rated Power 24.8 hp (18.5 kW) @ 3000 rpm, Gross Power 24.8 hp (18.5 kW) @ 3000 rpm. High idle: 3200 rpm; Displacement: 1.266 liter. Remote mounted 5" (12.7cm) Virgic air filter.
FUEL CAPACITY	10.8 gallons (41 liters) diesel
TRACTION DRIVE	Engine-mounted hydrostatic transmission powering four hydraulic wheel motors providing dual-diagonal full-time all-wheel drive.
TIRES	Front: 23 x 10.5-12 turf tires. Rear: 18 x 7.5-8 turf tires.
AIR CLEANER	Dry, replaceable primary and safety element.
INSTRUMENTATION	Indicators: glow indicator, battery discharge, low engine oil pressure, blocked air cleaner, grass collector raised, parking brake on, work light on, headlight on, hazard light on. Gauges: hour meter/service indicator, engine temperature gauge, fuel tank level gauge with low level lamp.
CONTROLS	Ignition switch, throttle lever, single foot-operated traction pedal, service brake with parking brake latch, switch for adjusting the height of cut.
GROUND SPEED	Transport & Mowing: 0-9.3 mph (0-15 km/h), continuously variable. Reverse: 6.2 mph (0-10km/hr)
RADIATOR	Smart Cool®. Electric with automatic or manual reversing for cleaning.
MAIN FRAME	All welded formed-steel frame
BRAKES	Service brake: Traction pedal provides dynamic braking through hydrostatic transmission. Parking brake: Foot pedal actuates drum brakes on front wheels. Foot operated lock retains pedal in actuated position.
STEERING	Rear axle with hydraulic steering. Adjustable tilt steering wheel with 2 2/3 turns lock to lock.
ELECTRICAL	55A alternator with P terminal. Battery: 12V, 55B24
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, engine stops. If operator leaves the seat with the unit out of neutral, engine stops. Engine stops if parking brake is engaged and traction pedal not in neutral.
SEAT	Low profile mechanical suspension, retractable seat belt
LIGHTS	Work and road lights standard
HYDRAULICS/COOLING	2.5 gallon (9.5 liter) capacity, fan-cooled oil cooler, high pressure cartridge filter
PTO CLUTCH	Belt-driven, Ogura electromagnetic clutch, with magnetic blade brake, powering drive shaft to gearbox on deck. Deck shuts off automatically when grass collector is full.
ROLLOVER PROTECTION	2-post standard foldable ROPS, meets ISO 21299
SAFETY	EN ISO 5395 (CE), ANSI B71.4-2017
CERTIFICATION	Certified to meet the CE Machinery Directive 2006/42/EC. Certified to meet Electromagnetic Compatibility Directive 2014/30/EU, Physical Agents Directive (Vibration) 2002/44/EC, Outdoor Noise Directive 2000/14/EC, and Battery Directive 2000/66/EC. Meets emissions regulations EU Stage V. Reg. Compliance Mark (RCM) AS NZS CISPR 12:2009, Canadian EMC ICES-002, EAC
WARRANTY	Two-year limited warranty. Refer to the operator's manual for further details.
CUTTING DECK	
WIDTH OF CUT	50" (1.3 m)
HEIGHT OF CUT	0.8-4.3" (20-109mm), Infinitely variable, hydraulically-adjusted, remotely controlled from operator's station
DECK CONSTRUCTION	Formed and welded deck with front bull-nose bumper.
DISCHARGE	Direct grass collection.
SPINDLE ASSEMBLY	1" (25mm) diameter spindles mounted in two greaseable bearings.
CUTTER DRIVE	PTO driven gearbox with spiral bevel gears, "B" section belt drive to all spindles.
BLADES	Front: heat-treated steel; Counter-rotating: Two heat-treated blade segments per spindle, bolted to integral fan disc
BLADE TIP SPEED	80.7 m/s (15,900 ft/min) +/- 2% at 3,210 engine RPM
DECK SUSPENSION	Two caster wheels in front, lift arm links in rear
CASTOR WHEELS	Two, smooth, semi-pneumatic 9.00x3.50-4
BELT IDLER	Adjustable, spring-loaded idler
DECK SKID	Replaceable, bolt-on, non-marking UHMW skid on both sides.
DECK ANTI-SCALP ROLLERS	Front nose roller and two rear side rollers
DECK COVERS	Molded plastic with 1/4 turn fasteners and retention bolt
CUTTING DECK DEPTH	4.5" (114mm)
CERTIFICATION	European standard per EN ISO 5395, ANSI B71.4-2017, CE approved.
MOWING RATE	Mow up to 3 acres (12,000 m ²) per hour

	COLLECTION SYSTEM
VOLUME	1 cubic yard / 214 gallons (810 liter)
GRASS DISTRIBUTOR	Automatic electric-powered grass distributor for level filling
FULL COLLECTOR SENSOR	Adjustable sensor detects when collector is full and disengages deck
ENGINEERED VENT	Air vent system is engineered to retain and pack clippings with minimal dust or debris discharge
CONTROLS	Separate hydraulic lift and hydraulic tip to dump. Rear door opens automatically when tipping
MAXIMUM DUMP HEIGHT	77" (1.95 m) with 12" (.3 m) overhang
	DIMENSIONS & WEIGHT WITH CUTTING DECK
HEIGHT	ROPS up 81.5" (2.07 m); ROPS down 65.4" (1.66 m)
OVERALL LENGTH	114.6" (2.91 m)
OVERALL WIDTH	57" (1.45 m)
WHEELBASE	46.9" (1.19 m)
EST. SHIPPING WEIGHT	With Cutting Deck 2,160 lbs (980kg), without Cutting Deck 1,786 lbs (810kg)