

# TORO®

# ProLine H800

DIRECT COLLECT MOWER WITH HIGH-LIFT DUMP

## FEATURES

- Yanmar® 24.7 hp (18.4 kW) diesel engine
- Permanent hydrostatic CrossTrax® 4WD
- Maximum ground speed 9.3 mph (0-15km/h)
- Compact & maneuverable design: 56.3" (1.43m) 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 light, road lights w/brakes and adjustable side mirrors



## 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® 24.7 hp (18.4 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 m<sup>2</sup>) of material per hour!



PROLINE H800, MODEL 31051	
<b>ENGINE</b>	Yanmar; 3-cylinder, liquid-cooled, diesel. Rated Power 24.7 hp (18.4 kW) @ 3000 rpm, Gross Power 24.7 hp (18.4 kW) @ 3000 rpm. High idle: 3200 rpm; Displacement: 1.266 liter. Remote mounted 5" (12.7cm) Virgic air filter.
<b>FUEL CAPACITY</b>	10.8 gallons (41 liters) diesel
<b>TRACTION DRIVE</b>	Engine-mounted hydrostatic transmission powering four hydraulic wheel motors providing dual-diagonal full-time all-wheel drive.
<b>TIRES</b>	Front: 23 x 10.5-12 turf tires. Rear: 18 x 7.5-8 turf tires.
<b>AIR CLEANER</b>	Dry, replaceable primary and safety element.
<b>INSTRUMENTATION</b>	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.
<b>CONTROLS</b>	Ignition switch, throttle lever, single foot-operated traction pedal, service brake with parking brake latch, switch for adjusting the height of cut.
<b>GROUND SPEED</b>	<b>Transport &amp; Mowing:</b> 0-9.3 mph (0-15 km/h), continuously variable. <b>Reverse:</b> 6.2 mph (0-10km/hr)
<b>RADIATOR</b>	Smart Cool®. Electric with automatic or manual reversing for cleaning.
<b>MAIN FRAME</b>	All welded formed-steel frame
<b>BRAKES</b>	<b>Service brake:</b> Traction pedal provides dynamic braking through hydrostatic transmission. <b>Parking brake:</b> Foot pedal actuates drum brakes on front wheels. Foot operated lock retains pedal in actuated position.
<b>STEERING</b>	Rear axle with hydraulic steering. Adjustable tilt steering wheel with 2 2/3 turns lock to lock.
<b>ELECTRICAL</b>	55A alternator with P terminal. Battery: 12V, 55B24
<b>INTERLOCKS</b>	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.
<b>SEAT</b>	Low profile mechanical suspension, retractable seat belt
<b>LIGHTS</b>	Work and road lights standard
<b>HYDRAULICS/COOLING</b>	2.5 gallon (9.5 liter) capacity, fan-cooled oil cooler, high pressure cartridge filter
<b>PTO CLUTCH</b>	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.
<b>ROLLOVER PROTECTION</b>	2-post standard foldable ROPS, meets ISO 21299
<b>SAFETY</b>	EN ISO 5395 (CE), ANSI B71.4-2017
<b>CERTIFICATION</b>	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
<b>WARRANTY</b>	Two-year limited warranty. Refer to the operator's manual for further details.
CUTTING DECK	
<b>WIDTH OF CUT</b>	50" (1.3 m)
<b>HEIGHT OF CUT</b>	0.8-4.3" (20-109mm), Infinitely variable, hydraulically-adjusted, remotely controlled from operator's station
<b>DECK CONSTRUCTION</b>	Formed and welded deck with front bull-nose bumper.
<b>DISCHARGE</b>	Direct grass collection.
<b>SPINDLE ASSEMBLY</b>	1" (25mm) diameter spindles mounted in two greaseable bearings.
<b>CUTTER DRIVE</b>	PTO driven gearbox with spiral bevel gears, "B" section belt drive to all spindles.
<b>BLADES</b>	Front: heat-treated steel; Counter-rotating: Two heat-treated blade segments per spindle, bolted to integral fan disc
<b>BLADE TIP SPEED</b>	80.7 m/s (15,900 ft/min) +/- 2% at 3,210 engine RPM
<b>DECK SUSPENSION</b>	Two caster wheels in front, lift arm links in rear
<b>CASTOR WHEELS</b>	Two, smooth, semi-pneumatic 9.00x3.50-4
<b>BELT IDLER</b>	Adjustable, spring-loaded idler
<b>DECK SKID</b>	Replaceable, bolt-on, non-marking UHMW skid on both sides.
<b>DECK ANTI-SCALP ROLLERS</b>	Front nose roller and two rear side rollers
<b>DECK COVERS</b>	Molded plastic with 1/4 turn fasteners and retention bolt
<b>CUTTING DECK DEPTH</b>	4.5" (114mm)
<b>CERTIFICATION</b>	European standard per EN ISO 5395, ANSI B71.4-2017, CE approved.
<b>MOWING RATE</b>	Mow up to 3 acres (12,000 m <sup>2</sup> ) per hour

\*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.





# ProLine H800 Specifications continued

COLLECTION SYSTEM	
<b>VOLUME</b>	1 cubic yard / 214 gallons (810 liter)
<b>GRASS DISTRIBUTOR</b>	Automatic electric-powered grass distributor for level filling
<b>FULL COLLECTOR SENSOR</b>	Adjustable sensor detects when collector is full and disengages deck
<b>ENGINEERED VENT</b>	Air vent system is engineered to retain and pack clippings with minimal dust or debris discharge
<b>CONTROLS</b>	Separate hydraulic lift and hydraulic tip to dump. Rear door opens automatically when tipping
<b>MAXIMUM DUMP HEIGHT</b>	77" (1.95 m) with 12" (.3 m) overhang
DIMENSIONS & WEIGHT WITH CUTTING DECK	
<b>HEIGHT</b>	ROPS up 81.5" (2.07 m); ROPS down 65.4" (1.66 m)
<b>OVERALL LENGTH</b>	114.6" (2.91 m)
<b>OVERALL WIDTH</b>	56.3" (1.43 m)
<b>WHEELBASE</b>	46.9" (1.19 m)
<b>EST. SHIPPING WEIGHT</b>	With Cutting Deck 2,160 lbs (980kg), without Cutting Deck 1,786 lbs (810kg)

TRACTION UNIT ACCESSORIES	
134-3594	Arm Rest Kit
134-1718	Mulching Kit
134-4690	Debris Suppression Kit
30358	Bimini Sunshade
134-5691	Dust Deflector Kit

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