



ProLine H800

Direct collect mower with high-lift dump

SUPERIOR AND FASTER COLLECTION PERFORMANCE.

The Toro ProLine H800 direct collect rotary mower with high-lift dump mechanism was engineered for unmatched collection performance and the lowest total cost of operation and ownership. Featuring a powerful Yanmar® 18.4 kW (24.7 hp) diesel engine; fast groundspeed up to 9.3 mph; our innovative Smart Airflow direct collection design; and 1.95 m (77") high-lift system that dumps clippings directly into truck beds or trailers, it's immediately obvious that 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 41 L 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 12,000 m² (3 acres) of material per hour.



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F E A T U R E S

- Yanmar 18.4 kW (24.7 hp) diesel engine
- Permanent hydrostatic CrossTrax® 4WD
- Maximum ground speed 9.3 mph
- Compact and manoeuvrable design: 1.43 m (56.3") maximum width
- Exclusive smart airflow direct collection system
- High capacity cutting deck: 144 mm (4.5") deep, 1.26 m (50") cutting/collection width
- Fixed and floating deck settings (from seat)
- 20–109 mm (0.8–4.3") electric height-of-cut adjustment switch (from seat)
- Adjustable full hopper sensor with automatic deck shut-off
- Automatic electric-powered grass/material distributor
- Huge 0.9 m³/810 l vented hopper
- High-lift dump system, maximum height 1.95 m (77")
- Automatic diff-lock engagement on slopes
- Tool-free swing-out radiator and fuel tank
- Tilt-up deck with 46° angle
- Flashing beacon, work light, road lights (including brake lights) and adjustable side mirrors



PROLINE H800, MODEL 31050TE/31051 (Crated)	
ENGINE	Yanmar®; 3-cylinder, liquid-cooled, diesel. Rated power 18.4 kW (24.7 hp) @ 3,000 rpm, gross power 18.4 kW (24.7 hp) @ 3,000 rpm. High idle: 3,200 rpm; Displacement: 1.266 L. Remote mounted 12.7 cm (5") Virgis air filter.
FUEL CAPACITY	41 l diesel
TRACTION DRIVE	Engine-mounted, hydrostatic transmission powering four hydraulic wheel motors, providing dual-diagonal, full-time, all-wheel drive.
TYRES	Front: 23 x 10.50-12 turf tyres. Rear: 18 x 7.50-8 turf tyres.
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 and mowing: 0–9.3 mph, continuously variable. Reverse: 0–6.2 mph
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 2½ turns lock to lock.
ELECTRICAL	55 A alternator with P terminal. Battery: 12 V, 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 is not in neutral.
SEAT	Low-profile mechanical suspension, retractable seat belt
LIGHTS	Work and road lights as standard
HYDRAULICS/COOLING	9.5 l 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 warranty. Refer to the Operator's Manual for further details.
CUTTING DECK	
WIDTH OF CUT	1.26 m (50")
HEIGHT OF CUT	20–109 mm (0.8–4.3"), 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	25 mm (1") 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 castor wheels in front, lift arm links in rear
CASTOR WHEELS	Two, smooth, semi-pneumatic 9.00 x 3.50-4
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	Moulded plastic with ¼ turn fasteners and retention bolt
CUTTING DECK DEPTH	114 mm (4.5")
CERTIFICATION	European standard according to EN ISO 5395, ANSI B71.4-2017, CE approved.
MOWING RATE	Mow up to 12,000 m² (3 acres) 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.



COLLECTION SYSTEM	
VOLUME	0.9 m³/810 l
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	1.95 m (77") with 0.3 m (12") overhang
DIMENSIONS AND WEIGHT WITH CUTTING DECK	
HEIGHT	ROPS up 2.07 m (81.5"); ROPS down 1.66 m (65.4")
OVERALL LENGTH	2.91 m (114.6")
OVERALL WIDTH	1.43 m (56.3")
WHEELBASE	1.19 m (46.9")
EST. SHIPPING WEIGHT	1,005 kg

TRACTION UNIT ACCESSORIES	
134-3594	Arm rest kit
134-1718	Mulching kit
134-4690	Debris suppression kit
30358	Bimini sunshade
31059	Replacement cutter deck assy
134-5691	Dust deflector kit

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