

GT 3000 HY

FEATURES

GT 3000 HY STANDARD FEATURES

- Produced in an ISO 9001 certified production facility.
- Employs selected technologies transplanted from tried and tested alpine groomers.
- Hundreds of thousands of operating hours logged

OPERATOR'S CABIN

- One person
- Sun roof
- Deluxe suspension seat w/ seat belt
- Integral welded steel frame ROPS SAE J1040 cert.
- Windshield washer and wiper
- Sun visor
- Thermally insulated
- Low interior noise levels
- Rubber mounted
- Dome light

ALARMS

- Low engine oil pressure
- High engine coolant temperature
- High hydrostatic fluid temperature
- Low hydrostatic fluid level

EXTERIOR LIGHTS

- Two head lights
- Two rear lights

GLASS

- Laminated safety glass

HEATING

- Twenty seven thousand btu heater with adjustable vents for defrosting

OPERATOR'S CONTROLS

- Microprocessor drive control:
 - Microprocessor optimizes pump output depending on work load and operator demands
 - Reduces fuel consumption by maintaining engine rpm at peak
 - Automatically controls pumps to avoid overloading engine
 - Minimizes the possibility of overheating by controlling engine load

- Microprocessor drive control: *(continued)*
 - Operator control inputs through a steering wheel and foot throttle
 - Auto diagnostics track vehicle operation and log abnormal operation through fault codes
- Analog gauges monitoring:
 - Engine oil pressure
 - Engine coolant temperature
 - Hydrostatic fluid temperature
 - Engine RPM
 - System voltage
 - Engine service hours
 - Fuel level

ENGINE

- Cummins industrial diesel
- Turbocharged
- Cold start aid
- Block heater
- Water/fuel separator

TRANSMISSION

- Fully hydrostatic drive
- High tractive effort for enhanced pulling and climbing power
- Sealed and pressurized system with level sight glass
- Independent left and right pump / motor pairs to avoid cross contamination
- Sauer Sundstrand infinitely variable displacement pumps
- Rexroth infinitely variable displacement motors
- Heavy duty drive fluid cooler

BRAKES - service

- Positive deceleration through the hydrostatic transmission

BRAKES - parking

- Spring applied, pressure released

FINAL DRIVE

- Robust planetary reduction gear in oil bath
- Freewheel mode for emergency towing

UNDERCARRIAGE & TRACKS

- Four independent walking beams
- Hydraulic track tensioner maintains even track tension
- Front idler sprocket in lieu of idler wheel
- Duo-Cone wheel seals w/ sight glass
- D. dent type 40 inch track
- Heavy duty six ply belting
- Heavy duty steel grouser bars reinforced with 1/2 inch rebar
- Drive and idler sprockets are steel with replaceable urethane drive surfaces
- Solid rubber tires

STANDARD EQUIPMENT

- Front Towing eyes
- Exhaust pipe rain cap complete with spark arrestor
- All manuals
- Hydrostatic drive fluid heater

OPTIONAL EQUIPMENT

- Two sticks controlling drive pumps via linear ball bearing cables
- Two FNR levers for control in lieu of steering wheel
- Engine: various capacities and makes
- Cab, two person or crew cab.
- Air conditioning
- Hydraulic system
- Heavy duty brush guards
- Winch, front and/or rear mounted
- Additional engine heaters
- Engine oil pan heater
- Factory installed aftermarket accessories
- Frame extension front and rear
- Load deck, wood or metal
- Stake sides
- Dump box
- Frame reinforcement
- Track Mounting tool
- Rear pintle hook
- Vandalism protection
- Inclinometer
- Other options available upon request

TECHNICAL SPECIFICATIONS

ENGINE

Make	Cummins	
Model	6CTA-8.3	
Type	Diesel	
No of Cylinders	6	
Displacement	506 c.i.	8.3 liters
Horsepower	275 hp @ 2000 RPM	205 kw
Torque	825 lb.ft. @ 1500 RPM	1119 N.m

DRIVE TRAIN

Gear drive	Funk 28000	
Transmission:		
Type	Hydrostatic	
Make	Sauer Sundstrand Series 90	
Final Drives:		
Type	Planetary gear	
Make	Rexroth	

ELECTRICAL

Voltage	12 volts	
Alternator	100 amp	
Battery	1 x 760 cca	

DIMENSIONS

Overall Length without extension	240 in.	6.10 m
Overall Width tracks on	119in.	3.02 m
Overall Height	115 in.	2.92 m
Ground Clearance Hard surface	21in.	53 cm
Frame Height hard surface	51.5 in.	131 cm
Curb Weight (basic vehicle)	26000lbs	11793 kg

CAPACITIES

Fuel tank	100 gal	378 litres
Hydrostatic tank	26 gal	100 litres

PERFORMANCE

Load Capacity	30000lb.	13607 kg
Maximum Speed	8.0 mph	12.9 km/h
Fording Depth	42 in.	106 cm
Inside Turning Radius	0 in.	0cm
Basic Vehicle at 30,000 lbs		
ground pressure at 0° penetration	2.6 psi	183 g/cm ²
ground pressure at 6° penetration	2 psi	141 g/cm ²
At G.V.W.		
ground pressure at 0° penetration	5.5 psi	387 g/cm ²
ground pressure at 6° penetration	4.3 psi	302 g/cm ²
Maximum Gradeability:	side hill	Up to 40%
	fore and aft	Up to 60%

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Specifications given are for a basic vehicle and tested under ideal conditions.
Manufacturer reserves the right to change specifications without notice.
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