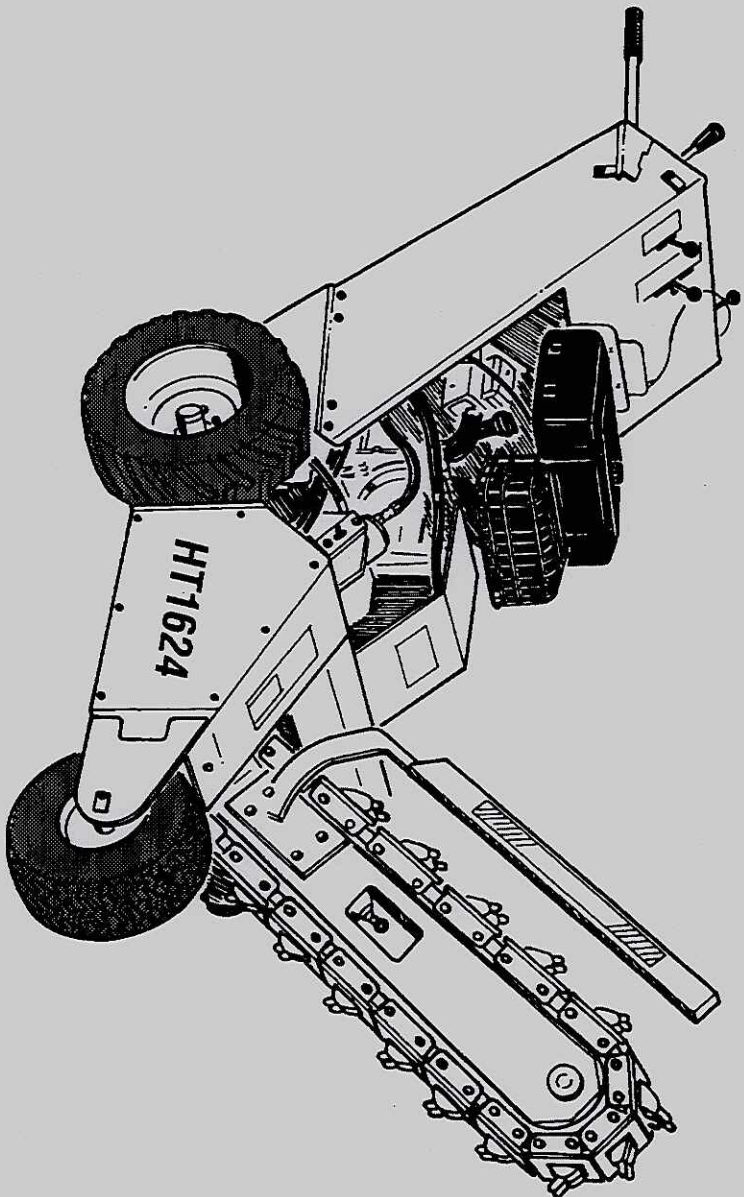


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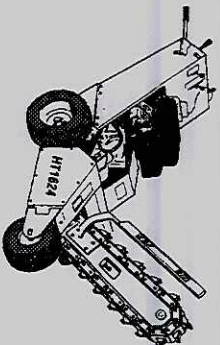
Trench Digger 16HP Hydraulic
Plant No. 0757 001



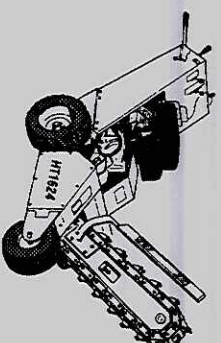
HT1624

HYDRAULIC TRENCHER


RED ROOTM
Commercial Outdoor Power Equipment



HT1624



SPECIFICATIONS

Engine	
16hp (12KW) V-Twin OHV Briggs & Stratton Vanguard	
Manual Start	
Optional Donaldson® Cyclopac™ Air Filtration System	
Engine Drive	
Direct Hydraulic Drive To Head Shaft	
General	
Transport Length – Front Wheel to Handlebar	2108mm
Transport Length – Boom to Handlebar	2235mm
Transport Width	889mm
Transport Height	1168mm
Weight	450kg
Trencher Centre to Outside Left	483mm
Trencher Centre to Outside Right	381mm
Wheel Base	889mm
Head Shaft Height Digging Chain	203mm
Maximum Trenching Depth	610mm
Maximum Trenching Width	150mm
Boom Travel – Up	60°
Boom Travel – Down	60°
Chain Options	
610mm x 100mm 26 Station Cup Chain	
610mm x 100mm Combi Chain	
610mm x 100mm 26 Station Rock Frost Bullet Chain	
Operation	
Ground Speed – Forward	55 Metres Per Minute
Ground Speed – Reverse	27 Metres Per Minute
Digging Chain Speed	79 Metres Per Minute
Features	
No Belts – No Gears – No Chains (With the Exception of the Trenching Chain)	
Lower Centre of Gravity	
Outboard Support Bearing – Standard	
Safety Clutch Stops Wheels and Chain Immediately	
Hydraulic Chain Reverse to Dislodge Rocks or Debris	
Finer Degree of Control for Trenching Ground-Speed	
Lifting Hook	
Warranty	
12 Months on Machine and 2 Years on Engine as per Specifications	
90 Days in Commercial Applications / 90 Days in Hire & Rental	

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CHISWICK, NSW 2046
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P.O. BOX 1249
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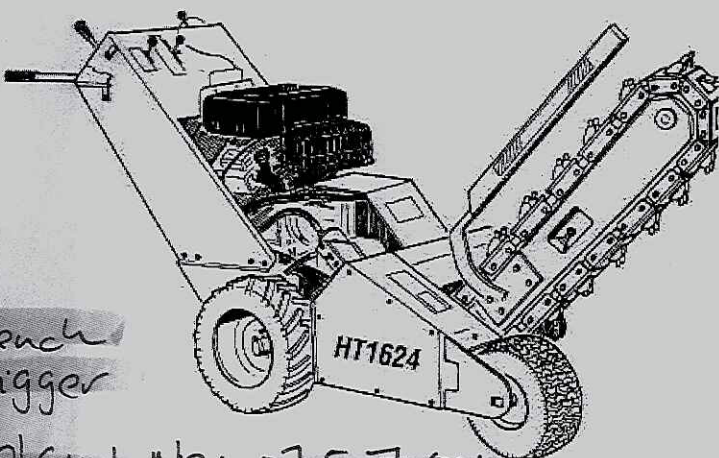
24 MANTON ROAD
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SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS



Trench Digger

plant No. 0757601

HT1624 HYDRAULIC TRENCHER



Commercial Outdoor Power Equipment







SAFETY PRECAUTIONS FOR HT1624 USERS



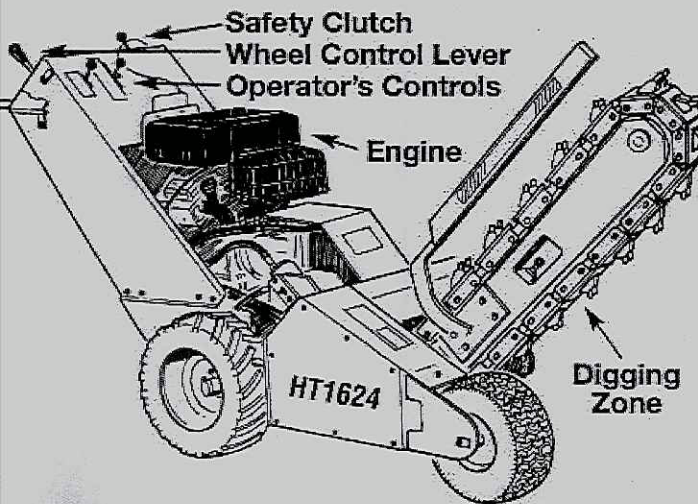
USE COMMON SENSE AND PLENTY OF IT

- 1)  **DO NOT** allow any person to operate the hydraulic trencher without first reading and understanding the safety precautions and operating instructions. **KNOW THE CONTROLS AND HOW TO STOP THE HYDRAULIC TRENCHER QUICKLY IN AN EMERGENCY.**
- 2) **NEVER** allow children to operate the hydraulic trencher.
- 3) **ALWAYS** wear protective clothing when operating the hydraulic trencher.    Objects may become airborne while operating trencher. This includes, but is not limited to; safety glasses, hard hat, loose fitting gloves, steel capped boots and hearing protection. **NEVER** wear loose fitting clothing or jewellery when operating the hydraulic trencher. Keep all clothing away from moving parts. Items could become caught in the machine, resulting in injury.
- 4) **ALWAYS** use hydraulic trencher in a well lighted area.
- 5) **ALWAYS** make certain that all control clutches are in the "disengaged" position prior to starting the engine. The Safety Clutch lever on the left handlebar is for operator protection. **DO NOT** tape down or otherwise bypass this Clutch.
- 6)  **ALWAYS** operate hydraulic trencher on level ground only. Police the area before trenching. Remove any foreign objects in the digging area eg bricks, rocks, wire and sticks. Locate and mark any sprinkler heads, water pipes, gas lines, electrical and telephone cables or any other hazard either below or above ground.
- 7)  **DO NOT** allow other persons near the hydraulic trencher. It is up to the operator to keep bystanders and animals a minimum of 6 metres away from the machine while in operation.
- 8) **NEVER** operate the hydraulic trencher when fatigued. **ALWAYS BE ALERT!** If you get tired while operating the hydraulic trencher, take a

break. If you have any type of physical or mental condition that may be aggravated by strenuous work, consult with your physician before you operate this equipment. **NEVER** operate the hydraulic trencher under the influence of medication, alcohol or drugs.

- 9)  **ALWAYS KEEP YOUR HANDS, FEET AND BODY AWAY FROM THE DIGGING CHAIN, AUGER AND OTHER MOVING PARTS WHILE ENGINE IS RUNNING.**
- 10)  **NEVER** operate the unit without the safety guards in place and in working order. Keep the unit well maintained and in good working order
- 11) **DO NOT** leave the machine unattended while the engine is running.
- 12) **DO NOT** overspeed the engine or alter the governor settings. Excessive speed is dangerous and will shorten engine life.
- 13)  **NEVER** operate the hydraulic trencher in an enclosed area. Engine exhaust contains carbon monoxide, an odourless and tasteless poison.
- 14)  **WARNING:** Hydraulic oil is under extreme pressure and can get under skin and burn or poison. Check for leaks with cardboard.
- 15)  **STOP** the engine and disconnect the spark plug lead(s) and allow engine to cool before inspecting or performing maintenance on the hydraulic trencher.
- 16)  **REFUELLING**
 - * Shut off engine. **DO NOT REFUEL AN ENGINE WHILE OPERATING!**
 - * Allow engine to cool. Minimum 5 minutes.
 - * **USE UNLEADED FUEL ONLY.** Use clean, fresh unleaded fuel.
 - * **Do not mix oil with unleaded fuel.**
 - * Do not over-fill fuel tank. Allow space for fuel expansion.
 - * Do not smoke.
 - * Allow no naked flame or hot material in refuelling area.
 - * Use only approved fuel containers and funnels. Remember, fuel is a potential hazard.

"STAY ALERT - DON'T GET HURT"



OPERATING INSTRUCTIONS

BEFORE USE

- 1) Police the area. Remove any foreign objects from the area.
- 2) Identify and mark the location of sprinkler heads, gas pipes, telephone cables, etc.

OPERATION

- 1) Remove the hydraulic trencher from its trailer. Use caution.
- 2) Familiarize yourself with the machine and its controls.

IGNITION: Must be in "ON" position to start. "OFF" to stop.

ENGINE: Throttle cable controls engine speed. Operate at full throttle (all the way forward).

CLUTCH LEVER: (At left handle grip) Activates WHEEL DRIVE and DIGGING CHAIN controls when depressed. Stops all motion when released.

DIGGING CHAIN must be in "ON" position. BEFORE clutch lever is depressed in order to start chain in motion.

AXLE: "UNLOCK" position (down) is for maneuvering. "LOCK" position (up) is for digging. UNLOCK allows left wheel to freewheel while right wheel drives.

DIGGING BOOM: Raises and lowers the digging boom.

DIGGING CHAIN: Starts chain in forward rotation after clutch lever is engaged.

CHAIN: Allows manual operation of chain in forward or reverse rotation to dislodge objects or dig difficult terrain. (This control can be used with the clutch lever released.) To reverse chain, DIGGING CHAIN control must be in "OFF" position.

GROUND SPEED: Controls wheel speed forward or reverse after clutch lever is engaged.

- 3) Open fuel shut-off valve, if engine is equipped. Move choke control to CHOKE or START position. Note: Choke must fully close. Move throttle control to RUN or FAST position. If engine is equipped with rocker style stop switch, push RUN or I (I = Ignition) before starting. Rewind Starter: Grasp rope handle and pull slowly until resistance is felt to prevent kickback. Then pull cord rapidly to overcome compression and start engine. Repeat if necessary with choke off and throttle control in FAST position. Operate engine in FAST position.



- 4) **GETTING STARTED:** Start and warm up engine. Drive trencher to starting location: with AXLE in "UNLOCK" position: LOCK AXLE. Put DIGGING CHAIN control in "ON" position. With GROUND SPEED control in neutral, depress CLUTCH LEVER and slowly lower DIGGING BOOM to desired depth. Slowly move GROUND SPEED control in REVERSE direction until desired speed is reached. (Varying soil conditions may require continuously slowing down and speeding up ground speed.)

- 5) **FOR HARD TO DIG AREAS** or if an object (rock or root) gets lodged in chain, release CLUTCH LEVER. This will lock wheels in position. Move DIGGING CHAIN control to "OFF". Manually reverse chain with the CHAIN control to dislodge object. Manually run chain forward with CHAIN control to dig through roots or rocky area. Intermittently activate CLUTCH LEVER to move trencher back a few inches and repeat until hard area is passed. Resume normal operation.



WARNING! - KEEP HANDS AND FEET CLEAR OF DIGGING CHAIN, AUGER AND OTHER MOVING PARTS AT ALL TIMES!

- 6) **WARNING! - IN CASE OF DIFFICULTY, DISENGAGE THE ENGINE CLUTCH LEVER. ALL TRENCHING ACTION STOPS.** Press the engine "STOP" button located on the engine. (See illustration below)
- 7) **Stop Engine:** Do not move choke control to CHOKE position to stop engine. Backfire or engine damage may occur. Move throttle control to SLOW position, then push rocker switch to 0 (STOP), or turn key to OFF, if equipped.



Typical Stop Switches

AFTER USE

- 1) Turn fuel tap to "OFF" position.
- 2) Allow machine to cool down. Wash mud and dirt off of the hydraulic trencher. Ensure no water enters the carburettor.
- 3) Remove any objects that may have wrapped around the chain or assembly.

