



PRODUCT DATA SHEET

October, 2000

THOMPSON 3T-GHC PUMP

GENERAL INFORMATION

This model is designed primarily as a portable pump for ground water control, and is protected by a roll cage. It provides excellent mobility due to it's light weight. This pump is powered by a 9.0 HP Honda gasoline engine and is self-priming with an internal check valve.

PERFORMANCE DATA

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|--------------------------------|--|
| ➤ Minimum Speed: | - 2000 rpm |
| ➤ Maximum Speed: | - 3600 rpm |
| ➤ Minimum Shutoff Head: | - 10 feet (4 psi) ⁽¹⁾ @ 2000 rpm |
| ➤ Maximum Shutoff Head: | - 98 feet (42 psi) ⁽¹⁾ @ 3600 rpm |
| ➤ Maximum Suction Lift: | - 20 feet ⁽²⁾ |
| ➤ Minimum Flow: | - 50 gpm |
| ➤ Maximum Flow: | - 425 gpm |
| ➤ Maximum Temperature: | - 150°F |
| ➤ Maximum Solids Size: | - 1 1/2" spherical diameter |

PHYSICAL SPECIFICATIONS

| | |
|-------------------------------|---------------------------------------|
| ➤ Weight: | - 148 lbs. |
| ➤ Height: | - 23" (cage top to bottom) |
| ➤ Width: | - 19" |
| ➤ Length: | - 29" (cage front to back) |
| ➤ Impeller Diameter: | - 5.1" |
| ➤ Wearplate Clearance: | - 0.010" – 0.020" |
| ➤ Impeller Vanes: | - Two |
| ➤ Suction Nipple: | - 3" male NPT |
| ➤ Discharge Nipple: | - 3" male NPT |
| ➤ Mechanical Seal: | - Silicon/silicon – grease lubricated |

MATERIAL SPECIFICATIONS

| | |
|-------------------------|---------------------------|
| ➤ Pump Casing: | - Cast aluminum |
| ➤ Impeller: | - Cast Iron 30 |
| ➤ Volute: | - Cast Iron 30 |
| ➤ Cover Plate: | - Cast Aluminum |
| ➤ Wearplate: | - Cast Iron |
| ➤ Suction Valve: | - Nitrile Rubber (Buna N) |

ENGINE SPECIFICATIONS

| | |
|------------------------------|--|
| ➤ Model: | - Honda GX270 |
| ➤ Type: | - 4-cycle, one cylinder, air cooled gasoline |
| ➤ Displacement: | - 16.5 cubic inches |
| ➤ Max. Horsepower: | - 9.0 @ 3600 RPM |
| ➤ Idle Speed: | - 1300 RPM |
| ➤ Cooling: | - Forced air |
| ➤ Governor: | - Adjustable mechanical |
| ➤ Lubrication: | - SAE 10W30 motor oil (1.16 quarts) |
| ➤ Automatic Shutdown: | - Low oil level |
| ➤ Air Cleaner: | - Dual element |
| ➤ Fuel: | - 87 octane unleaded |
| ➤ Fuel Capacity: | - 1.59.gallons |
| ➤ Operating Time: | - 2 hours @ max. load |
| ➤ Starter: | - Recoil type |
| ➤ Ignition: | - Transistorized magneto |
| ➤ Spark Plug: | - BPR6ES (NGK), or W20EPR-U (DENSO) |
| ➤ Spark Plug Gap: | - 0.028" – 0.031" |
| ➤ Valves: | - Cobalite hard-faced exhaust |
| ➤ Cylinder: | - Cast iron sleeve |
| ➤ Crank Bearings: | - Two-ball type |
| ➤ Piston & Rings: | - Aluminum w/ cast iron rings |

Notes:

⁽¹⁾ Based on 1.0 specific gravity

⁽²⁾ Depends on flowrate and pump speed.

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