



PRODUCT DATA SHEET

November, 2000

THOMPSON 2T-GHC PUMP

GENERAL INFORMATION

This model is designed primarily as a portable pump for ground water control, and is protected by a roll cage. This pump provides excellent mobility due to it's light weight. This pump is powered by a 5.5 HP Honda gasoline engine and is self-priming with an internal check valve.

PERFORMANCE DATA

➤ Minimum Speed:	- 2000 rpm
➤ Maximum Speed:	- 3600 rpm
➤ Minimum Shutoff Head:	- 10 feet (4 psi) ⁽¹⁾ @ 2000 rpm
➤ Maximum Shutoff Head:	- 95 feet (41 psi) ⁽¹⁾ @ 3600 rpm
➤ Maximum Suction Lift:	- 20 feet ⁽²⁾
➤ Minimum Flow:	- 50 gpm
➤ Maximum Flow:	- 225 gpm
➤ Maximum Temperature:	- 150°F
➤ Maximum Solids Size:	- 1-1/16" spherical diameter

PHYSICAL SPECIFICATIONS

➤ Weight:	- 89 lbs.
➤ Height:	- 19" (cage top to bottom)
➤ Width:	- 17½" (cage width)
➤ Length:	- 24½" (cage front to back)
➤ Impeller Diameter:	- 5.1"
➤ Wearplate Clearance:	- 0.010" – 0.020"
➤ Impeller Vanes:	- Two
➤ Suction Nipple:	- 2" male NPT
➤ Discharge Nipple:	- 2" 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 GX160
➤ Type:	- 4-cycle, one cylinder, air cooled gasoline
➤ Displacement:	- 9.9 cubic inches
➤ Max. Horsepower:	- 5.4 @ 3600 RPM
➤ Idle Speed:	- 1400 RPM
➤ Cooling:	- Forced air
➤ Governor:	- Adjustable mechanical
➤ Lubrication:	- SAE 10W30 motor oil (0.6 quarts)
➤ Automatic Shutdown:	- Low oil level
➤ Air Cleaner:	- Dual element
➤ Fuel:	- 87 octane unleaded
➤ Fuel Capacity:	- 0.95.gallons
➤ Operating Time:	- 2 hours @ max. load
➤ Starter:	- Recoil type
➤ Ignition:	- Transistorized magneto
➤ Spark Plug:	- BPR6ES (NGK), or W20EPR-U (NIPPONDENSO)
➤ 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.