



Pacific Pump and Power

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Pumps and Generators
Rentals * Sales * Service * Operations
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Total Dynamic Head Work Sheet

Flow Rate: _____ gpm

TDH: _____ feet

Suction Side

1. Static suction lift (Gravity resistance)

Vertical elevation difference in feet between lowest point and centerline of impeller

2. Suction friction loss (Friction Resistance)

Velocity of liquid traveling through a hose or pipe converted into equivalent gravity resistance in feet

Hose length in feet

Fittings:

Size/Type	Eq. Hose	X Qty.	= Total feet

Total equivalent hose length in feet:

_____ Total feet of hose X _____ friction loss / 100 =

Total Dynamic Suction Head

1. + 2. =

Discharge Side

3. Static discharge lift (Gravity resistance)

Vertical elevation in feet between centerline of impeller And highest point of discharge

4. Discharge friction loss (Friction resistance)

Velocity of liquid traveling through a hose or pipe converted into equivalent gravity resistance in feet

Hose length in feet:

Fittings:

Size/Type	Eq. Hose	X Qty.	= Total feet

Total equivalent hose length in feet:

_____ Total feet of hose X _____ friction loss / 100 =

5. _____ psi x 2.31 =

Total Dynamic Discharge Head

3. + 4. + 5. =

Total Dynamic Head =

+

=