Water Feature Pump Data Worksheet This worksheet will help you calculate the flow rate and total dynamic head in feet (TDH), to find the performance requirements for your water feature pump.

Complete worksheet then fax to 970.263.2277 or email to technical support@munropump.com.

| Name: Company: | | | | остине авторроги (шт | Phone: | | | | | | |
|--------------------------|--|--|-------|----------------------|----------|---|-------|-------------------|--|--|--|
| Address: | | | | | | City/State/Zip | | | | | |
| Flow Rate | Pumping Requirements Determine flow rate required. Using the chart below, determine the discharge rate per foot based on the desired water flow depth. Multiply that number by the width of the weir. Desired flow depth = Discharge rate per ft Discharge rate per ft x weir width (in feet) = GPM x 60 = GPH | | | | | | | _ | GPM GPH | | |
| | Water Flow Estimate Over A Weir | | | | | | | | | | |
| Weir Chart | Flow Depth (inches) | Flow Depth (inches) Discharge Rate per foot of Weir Width | | | | charge Rate per ot of Weir Width | | ow Depth (inches) | Discharge Rate per foot of Weir Width | | |
| | 1/2 | 13 | | 3 | | 187 | | 6 | 528 | | |
| | 3/4 | 24 | | 3 1/2 | 236 | | | 6 1/2 | 596 | | |
| | 1 | 36 | | 4 | 287 | | | 7 | 605 | | |
| | 1 1/2 | 66 | | 4 1/2 | | 343 | | 7 1/2 | 738 | | |
| | 2 | 102 | | 5 | 402 | | | 8 | 814 | | |
| | 2 1/2 | 142 | | 5 1/2 | | 463 | 8 1/2 | | 890 | | |
| Total Dynamic Head (TDH) | a. Suction Lift When using a submersible pump, suction lift should be "0". When using a non-submersible pump, measure vertical distance from water level to pump inlet. (Total measurement in feet) b. Elevation Change To figure elevation, measure the vertical distance from the surface of water to the highest point of discharge. (Total measurement in feet) Friction Loss Using GPM from above, consult friction loss chart (available on the Munro website or from your pipe manufacturer) to determine ideal pipe size (5' +/- 1'). Multiply loss per foot by (length of pipe/100). | | | | | | | | | | |
| Tota | Determine the pressure | PSI - Pounds Per Square Inch Determine the pressure required to run both the fountain head and/or pressure filters (refer to the manufacturer's specifications). PSI x 2.31 = HEAD IN FEET = | | | | | | | | | |
| | | tal Dynamic Head (TDH) tal the sum of elevation, friction loss and PSI. This total equals TDH in feet. | | | | | | | TDH | | |
| ن | Electrical | Filtration | | | | | | | | | |
| Misc. | Voltage: 110 Volt 220 Volt 440 Volt | | | Gravity: [| Skimmer | Check manufacturer's specifications to determine PSI for filters. | | | | | |
| | Phase: Single P | nase [Three l | Phase | Pressure: [| Pressure | □Sand | | | | | |
| Feature | □Pond | Pond □ Fountain | | | | | | □ Pond-less | | | |
| Fourties I I I III | | | | | | | | | | | |





