

The Delco Water Drop

Monthly publication for March, 2014



DELCO WESTERN
SINCE 1978

Is it Cheap, or is it Inexpensive?

By Layne Read

We've all said that the cheapest is not always the least expensive but, do we really mean it? Sometimes it takes courage to dig deep and pay more money out of the chute. Let's be honest. Buying a submersible water well pump is not like buying a \$5 screwdriver from Harbor Freight. Unfortunately, all too many people forget this and they're only concerned about the initial cost. However in the long run if you consider a complete life cycle cost, the cheapest may very well be the most expensive.

Let's take a moment and look at two different submersible water well pumps. Let's say that the conditions of service require

Fig 1	2014 85S200-15	Pre-2000 80S200-19
Flow	99.5	100
TDH	500	500
Efficiency	68.7%	63%
HP (1)	18.4	20.04
Kw/Hr (2)	13.73	14.95

100 gallons per minute at a total design head of 500 feet. We will compare a modern 2014 version Grundfos pump, & a Pre-2000 circa Grundfos submersible pump (Fig 1). If we use the assumption that electricity will cost \$0.10 per Kw/Hr... And, each pump

will run for 8 hours per day (33% of a day). Then we can calculate the cost of power over a ten year life.

The difference in power cost is \$3,563.00(Fig 2). That does not include inflation (cost of power increases.)

Fig 2	2014 85S200-15	Pre-2000 80S200-19
Power Cost (3)	\$40,091	\$43,654

The list value of a Grundfos 85S200-15 with a 460 Volt motor is \$8,583.00. So, you can see the cost of the power difference represents 41.5% of complete pump and motor. That's HUGE!!

Next time you are concerned about price, take a moment to look at the life cycle cost . Or, next time you see an advertisement claiming to be the same as... Ask yourself if it really is the same.

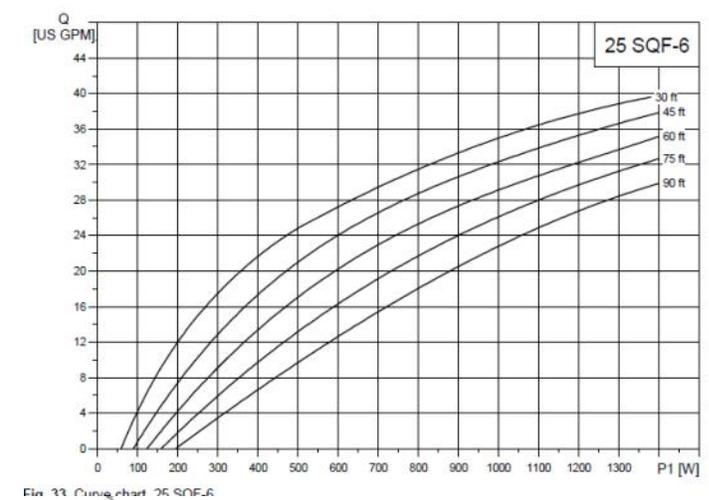
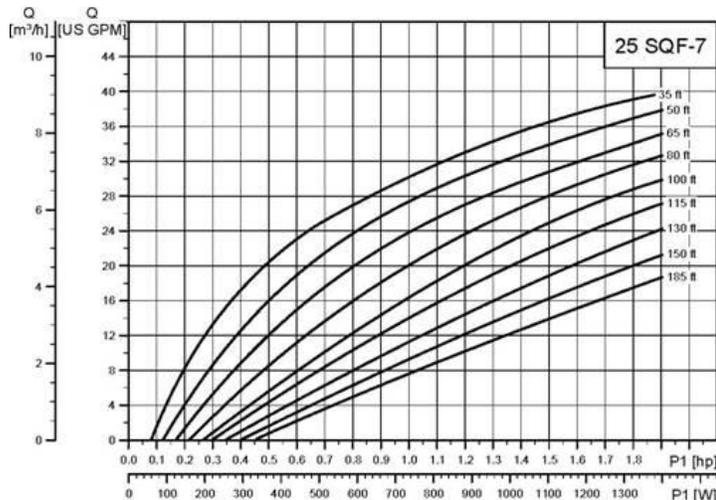
As you can see, when comparing submersible well pumps, power consumption should also be considered to make sure that you are getting the best value over the life of the pump.

Note:

1. Horsepower = FLOW*HEAD / 3960*PUMP EFF.
2. HP = .746 Kw/Hr
3. Based on \$0.10/Kw/Hr

CLEARANCE - SQFlex

Delco Western is having a closeout special on 25GPM Solar Pumps. These pumps run on either AC or DC power. Below is the pump curve. If you are having trouble seeing this, please check out the home page of our website. Special price of \$1,300. Contact Rob Snow at (801) 972-0900 for further information or to purchase.



DC range is 30V-300VDC. AC range is 90V-240VAC.

Visiting/Delivery Schedule

March 11/12 - So. Utah (Richfield, Hanksville, Moab, Blanding) - Darren

March 14 - Uintah Basin - Rob

March 21 - Logan/North - Rob

March 27/28 - So. Utah (Panguitch, Cannonville, Cedar City, Enterprise, St. George) - Darren

April 10/11 - So. Utah (Richfield, Hanksville, Moab, Blanding) - Darren

April 18 - Logan/North - Rob

April 22/23 - So. Utah (Panguitch, Cannonville, Cedar City, Enterprise, St. George) - Darren

April 25 - Uintah Basin - Rob

4/29-5/2 - WEAU, St George - Ken / Layne

Did You Know?

Daylight Savings Time (DST) was originally observed by Germany in 1916 during World War I in an effort to conserve fuel. Shortly after, the rest of Europe followed suit. The United States enacted DST in 1918 but was abolished after the war despite a veto by President Woodrow Wilson.

President Franklin Roosevelt reestablished DST in 1942 and called it "War Time". It lasted until 1945. From 1945 to 1966 there were no Federal mandates on DST. Since that time, there have been various enactments and changes.



It is a highly debated topic where both proponents and contestants of the practice continue to fight over the validity of using this practice.

Currently in Utah, we practice Daylight Savings Time. Daylight Savings Time begins March 9th so don't forget to set your clocks ahead 1 hour before going to bed Saturday, March 8th.



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Product Spotlight

The Grundfos GO Remote app can be downloaded for free for both Apple iOS and Android devices. Grundfos GO gives you handheld pump control right on your mobile device, as well as full access to all the Grundfos Online tools.

Online tools include:

- ◆ Search product by: Number, Name or QR code
- ◆ Size a product
- ◆ Catalog
- ◆ Replace product
- ◆ Compare products
- ◆ Product view
- ◆ Projects
- ◆ Favorites

To communicate with the pumps, special hardware (Mobile Interfaces) from Grundfos is required..

While connected to a Grundfos product, the following features are available:

- ◆ Product dashboard - gives the user a quick overview of the connected product
- ◆ Status data - monitor status data from the Grundfos product
- ◆ Alarms and warnings - see detailed alarm information with timestamps
- ◆ Configuration/commissioning
- ◆ Create installation report in pdf format
- ◆ Read / write profiles - copy configuration from one product to another

