This page is for information only!
We DO NOT have any Ametek motors for sale.
They are surplus motors that have not been made for many years.

When you feel you have graduated out of the experimenting stage to the ready to make serious power stage, then check out the TLG Wind Generator line from the menu on the left.

Since everyone keeps asking questions about the Ametek PM Motors I thought it was time to see what I could find.
I searched the web and I have found the following data on the different Ametek motors. I've learned some things along the way as well, like Ametek made several different versions of the 40 and 50 volt motor (maybe more). All I know about these motors to date is here.

One thing I have found to be true, the best PM motor for use as a generator is the one that has the highest rated voltage at the lowest rpm. Meaning that if you have a PM motor that took 120 volts DC in and only turned the shaft at 300 rpm, you would know that it would put out some serious voltage as a generator.

Windings make a difference in the amount of amperage they can produce. If you had a motor with windings the size of hair your output will be very low in amperage because the fine wire cannot carry the amperage.

I was not able to find exact Ametek part numbers but it seem that you can tell which one it is by the size of the motor and the difference in the shafts. All the motor have the Nominal voltage printed on them. Measure your motor and compare your measurements to this chart to know which Ametek motor you have.
I did not take the reading, I simply found the data to share.

Some pictures of the Ametek motors below.

| Ametek 20VDC | Nominal voltage 20 VDC  
| KC8079F7 | 10/15 VDC  
|  | No load amps 0.47  
|  | Shaft 5/8" diameter. x 11/16" long  
|  | 4" diameter. x 7" long  
|  | 550 RPM @ 20 VDC  
|  | Weight. 13 lbs.  

| Ametek 30VDC | Nominal voltage 30 VDC  
| 080987K7 | 12/24 VDC  
|  | No load amps 0.15  
|  | Shaft 5/8" diameter. x 1 7/8" long  
|  | 4" diameter. x 4 7/8" long  
|  | 325 RPM @ 30 VDC  
|  | Weight. 7 3/4 lbs.  

| Ametek 37VDC | Nominal voltage 37 VDC  
| Also known as Ametek 36VDC & 38VDC | 12/24 VDC  
|  | No load amps 0.35  
|  | Shaft 5/8" diameter. x 2.0" long  
|  | 4" diameter. x 4 7/8" long  
|  | 2100 RPM @ 37 VDC  
|  | Weight. 8 lbs.  

It seem that the most current version floating around of the Ametek 36 VDC motor has the same voltage to rpm ratio as the Ametek 30, but it does NOT have the output like the Ametek 30 has. It will work, but only as a trickle.
<table>
<thead>
<tr>
<th>Model Number</th>
<th>Type</th>
<th>Nominal Voltage</th>
<th>No Load Amps</th>
<th>Shaft Diameter</th>
<th>RPM</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>metek 40VDC 0689F7</td>
<td>Good</td>
<td>40 VDC</td>
<td>0.50</td>
<td>5/8&quot; x 1 1/4&quot;</td>
<td>1050</td>
<td>11 lbs.</td>
<td>Requires too many rpm to produce power in winds of less than 20 mph. If you want to use this one gear it up.</td>
</tr>
<tr>
<td>metek 40VDC 0988F7</td>
<td>Above Average</td>
<td>40 VDC</td>
<td>0.55</td>
<td>5/8&quot; x 2&quot;</td>
<td>1600</td>
<td>12 lbs.</td>
<td></td>
</tr>
<tr>
<td>metek 50VDC 061087F7</td>
<td>Good</td>
<td>50 VDC</td>
<td>1.0</td>
<td>5/8&quot; x 2&quot;</td>
<td>1800</td>
<td>12 lbs.</td>
<td>Has a 1&quot; x 1/2&quot; shaft out the backside. Although it requires higher rpm's to produce power, it has a higher amperage curve in output which makes up for the higher rpm needed. Click here to see a picture of the one I say is the best of the 50's. Note the shaft out the back.</td>
</tr>
<tr>
<td>metek 50VDC 090687F7</td>
<td>No Good</td>
<td>50 VDC</td>
<td>0.60</td>
<td>5/8&quot; x 1 7/8&quot;</td>
<td>1700</td>
<td>12 lbs.</td>
<td></td>
</tr>
<tr>
<td>Ametek 50VDC</td>
<td>Poor</td>
<td>50 VDC</td>
<td>0.60</td>
<td>5/8&quot; x 7&quot;</td>
<td>1800</td>
<td>11 lbs.</td>
<td></td>
</tr>
<tr>
<td>Ametek 60VDC</td>
<td>Poor!</td>
<td>60 VDC</td>
<td>Not even worth typing the info. (that bad)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ametek 72VDC</td>
<td>Poor</td>
<td>72 VDC</td>
<td>0.41</td>
<td>5/8&quot; x 7&quot;</td>
<td>1800</td>
<td>12 lbs.</td>
<td></td>
</tr>
<tr>
<td>Ametek 99VDC</td>
<td>Excellent</td>
<td>99 VDC</td>
<td>0.59</td>
<td>5/8&quot; x 3/16&quot;</td>
<td>535</td>
<td>16 lbs.</td>
<td>ALL GONE. No surplus that I have been able to find. I have not ran across one for close to two years. If you find one congratulations to you! ;)</td>
</tr>
</tbody>
</table>
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Click on the images above to view larger pictures.

See what I have found on some other types of DCPM motors.

Back to Tips and Tricks

Home