# Application Data Sheet for Power Winches

<table>
<thead>
<tr>
<th><strong>TO:</strong></th>
<th><strong>FAX:</strong></th>
<th><strong>NO. OF PAGES:</strong></th>
<th><strong>DATE:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>From:</td>
<td>CUSTOMER:</td>
<td></td>
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<td>Contact:</td>
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<td>Address:</td>
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## 1a TIME FRAME:
- **Today's Date:**
- **Date Needed:**

Special Considerations:

### 1b PULLING ☐ LIFTING ☐

Dollar Value of Load (approx.):

Job Description:

If product will be used in more than one application, please fill out separate data sheets for each application.

## 2a LINE PULL REQUIREMENTS – Vertical lift only:

- **Line Pull:**

Special Considerations:

### 2b LINE PULL REQUIREMENTS – Horizontal Pull only:

- **Line Pull:**

<table>
<thead>
<tr>
<th>Gross Weight of Load</th>
<th>Measured Line Pull</th>
<th>Load Moves Both Directions?</th>
<th>Yes ☐ No ☐</th>
</tr>
</thead>
</table>

Will Weight be Added/Subtracted During Operation? ☐ Yes ☐ No

- How Much:

<table>
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<tr>
<th>Surface Under Load</th>
<th>Condition:</th>
</tr>
</thead>
</table>

Slope? ☐ Yes ☐ No

- Rise:

- Run:

- Or Degrees:

- Or Percent (%):

<table>
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<tr>
<th>Wheels?</th>
<th>Yes ☐ No ☐</th>
<th>Lubrication:</th>
</tr>
</thead>
</table>

- Material:

- Size (dia.):

Track? ☐ Yes ☐ No

- Curvature (degrees, chordal line, or other):

Special Considerations:

## 3 LINE SPEED REQUIREMENTS – Minimum Line Speed:

- Constant ☐ Minimum: | Maximum: | 0 fpm | 0 cycles per minute

- Variable Speed* From: | To: | 0 fpm | 0 cycles per minute

- Stringent ☐ Variation Acceptable:

Special Considerations:

* This is a complex option, please contact the factory.

## 4 DISTANCE OF TRAVEL:

- Single Layer ☐ Full Drum

<table>
<thead>
<tr>
<th>Wire Rope Diameter:</th>
<th>Extra Rope Stored on Drum:</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Wire Rope Specifications:</th>
<th></th>
</tr>
</thead>
</table>

Special Considerations:

Thern, Inc. • 5712 Industrial Park Road
PO Box 347 • Winona, MN 55987
800-843-7648 • 507-454-2996 • Fax 507-454-5282
e-mail: sales@thern.com • www.thern.com
Application Data Sheet for Power Winches

5 POWER REQUIREMENTS:
- Electrical [ ] AC [ ] DC Voltage: [ ] Phase: [ ] Cycle: [ ]
- Hydraulic [ ] Pressure: [ ] Flow: [ ] Line Size (dia): [ ]
- Pneumatic (air) [ ] Pressure: [ ] Flow: [ ] Line Size (dia): [ ]
- Other: [ ]

6 INSTALLATION REQUIREMENTS:
- Max. Length: [ ] Max. Width: [ ] Max. Height: [ ] Max. Weight: [ ]
Installation: [ ] Base [ ] Wall [ ] Ceiling Clearance Required: [ ]

7 ENVIRONMENT:
Describe Special Conditions (dust, chemicals, explosives, etc.):

8 FREQUENCY OF OPERATION:
- Hours per Day: [ ] Start/Stop per Hour: [ ] Will There Be? [ ] Overloads [ ] Shock Loads

9a ACCESSORY OPTIONS:
- Brake [ ] Limit Switch [ ] Clutch [ ] Pressure Bar [ ] Slack Line Detect [ ]
- Controls [ ] Torque Limiter [ ] Manual Override [ ] Other: [ ]

9b MODIFICATIONS:
- Grooved Drum [ ] Multiple Drum [ ] Modified Drum Size [ ] Level Wind [ ] Special Finish [ ]
Other: [ ]

10 SKETCH OF APPLICATION:
1. Sketch diagram showing mounting position, rigging layout, and position of load.
2. Indicate whether the wire rope will be overwound (○) or underwound (●).
3. Indicate the distance between the center of the drum and the load sheave. (Maximum fleet angle: 1-1/2° for smooth drum, 2° for grooved drum)

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