### Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>80WD-M01330-48V</td>
</tr>
<tr>
<td>Power (KW)</td>
<td>0.41</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>48</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>10.63</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>3000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>1.3</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>0.6</td>
</tr>
<tr>
<td>Protection rank</td>
<td>IP54</td>
</tr>
<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
</tbody>
</table>
| Appropriate
environment | Temperature: 0~50°C
                  | Humidity: <90% (No dewdrop) |
| Motor weight (KG)  | 2.4                     |

### Motor to Hall Relationship

<table>
<thead>
<tr>
<th>Hall Line</th>
<th>Motor Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALL----A</td>
<td>Motor U</td>
</tr>
<tr>
<td>HALL----B</td>
<td>Motor V</td>
</tr>
<tr>
<td>HALL----C</td>
<td>Motor W</td>
</tr>
</tbody>
</table>

### Power Wire

<table>
<thead>
<tr>
<th>Hall Line Colour</th>
<th>Motor Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Motor U</td>
</tr>
<tr>
<td>Yellow</td>
<td>Motor V</td>
</tr>
<tr>
<td>Blue</td>
<td>Motor W</td>
</tr>
</tbody>
</table>

### Feedback Wire

<table>
<thead>
<tr>
<th>Hall Line Colour</th>
<th>Hall Signal Definition</th>
<th>Plug Serial Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange and black</td>
<td>5V</td>
<td>1</td>
</tr>
<tr>
<td>Orange</td>
<td>0V</td>
<td>2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Hall A</td>
<td>3</td>
</tr>
<tr>
<td>Blue</td>
<td>Hall B</td>
<td>4</td>
</tr>
<tr>
<td>Green</td>
<td>Hall C</td>
<td>5</td>
</tr>
</tbody>
</table>

### Hall Signal Lines: a length of 500 mm

- Plug-in type: DJ7061-3.5

### Motor Power Line: a length of 500 mm

- Plug-in models: SP75-8

### Dimensions

- ∅45
- 90
- 180
- 150 ± 1
- 32 ± 1
- 25
- 8
- 100
- 92
- 70.4 ± 0.03
- 5 ± 0.002

### Contact Information

- www.ato.com
- sales@ato.com
- +1 800-585-1519
Motor to Hall Relationship

Motor power line: a length of 500 mm
Plug-in models: DP75-4 #

Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-1.5

Motor power line: a length of 500 mm
Plug-in models: SP75-8 #

Hall line
- Green
- Yellow
- Blue
- Orange and black
- Orange
- Yellow
- Blue
- Green

Hall signal definition
- 5V
- 0V
- Hall A
- Hall B
- Hall C

Feedback Wire

Power Wire

Red Motor U
Yellow Motor V
Blue Motor W

Line Define

PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

Technical Data

Type 80WD-M01330-72V
Power (KW) 0.41
Rated voltage (V) 72
Rated current (A) 7.09
Rated speed (rpm) 3000
Rated torque (NM) 1.3
Rotor inertia (Kgcm2) 0.6
Protection rank IP54
Insulation rank F
Appropriate environment Temperature: 0~50℃
Humidity: <90%
(No dew drop)
Motor weight (KG) 2.40
## Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>80WD-M01330-96V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>0.41</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>96</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>5.32</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>3000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>1.3</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>0.6</td>
</tr>
<tr>
<td>Protection rank</td>
<td>IP54</td>
</tr>
<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
<tr>
<td>Appropriate environment</td>
<td>Temperature: 0~50°C, Humidity: &lt;90%, (No dewdrop)</td>
</tr>
<tr>
<td>Motor weight (KG)</td>
<td>2.4</td>
</tr>
</tbody>
</table>

## Power Wire

- Red: Motor U
- Yellow: Motor V
- Blue: Motor W

## Feedback Wire

- Hall line color:
  - Orange and black: 5V
  - Orange: 0V
  - Yellow: Hall A
  - Blue: Hall B
  - Green: Hall C

## Line Define

- Motor to Hall Relationship
- Motor to Hall Relationship
- Motor to Hall Relationship

## Motor to Hall Relationship

- HALL----A
- HALL----B
- HALL----C

## Feedback Wire

- Hall line definition: a length of 500 mm
- Hall signal lines: a length of 500 mm

## Motor Dimensions

- 80WD: ø80 ± 0.1
- 120°: ø70.8 ± 0.003
- 45°: ø15.5 ± 0.1
- 4°: ø10

## Motor Power Line

- A length of 500 mm
- Plug-in models: DJ7061-1.5

## Hall Signal Lines

- Hall signal lines: a length of 500 mm
- Hall signal lines: a length of 500 mm

## Additional Information

- Hall line color: a length of 500 mm
- Hall signal lines: a length of 500 mm
- Plug-in type: DJ7061-1.5

- www.ato.com
- sales@ato.com

Globle Shipping

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