**Motor to Hall Relationship**

- **Hall line colour**: Green, Yellow, Blue, Orange, Black
- **Hall signal definition**: 5V, 0V, 4V

**Power Wire**
- Red: Motor U
- Yellow: Motor V
- Blue: Motor W

**Feedback Wire**
- Orange and black: 5V, 1
- Orange: 0V, 2
- Yellow: Hall A, 4
- Blue: Hall B, 5
- Green: Hall C, 6

**Technical Data**

<table>
<thead>
<tr>
<th>Type</th>
<th>180WD-M25020-48V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (KW)</td>
<td>5.2</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>48</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>128</td>
</tr>
<tr>
<td>Rated speed (rpm)</td>
<td>2000</td>
</tr>
<tr>
<td>Rated torque (NM)</td>
<td>25</td>
</tr>
<tr>
<td>Rotor inertia (Kgcm²)</td>
<td>93</td>
</tr>
<tr>
<td>Protection rank</td>
<td>1P65</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)**: 26

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

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

**Dimensions**
- Motor weight: 26 KG
- Temperature: 0~50°C
- Humidity: <90% (No dewdrop)

**Line Define**

- **Power Line**: Red (Motor U), Yellow (Motor V), Blue (Motor W)
- **Feedback Wire**: Orange and black (5V, 1), Orange (0V, 2), Yellow (Hall A, 4), Blue (Hall B, 5), Green (Hall C, 6)

**Motor to Hall Relationship**

- **Hall A**, **Hall B**, **Hall C**
- **Motor U**, **Motor V**, **Motor W**

**Phase to Ground Voltage**
- Rotation CW from the flange

**Contact Information**
- www.ato.com
- sales@ato.com
- Globle Shipping
- +1 800-585-1519
Motor to Hall Relationship

Line Define

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

Feedback Wire
- Hall line colour: Orange and black
- Hall signal definition: 5V
- Plug wire number: 1
- Hall signal lines: Orange: Hall A
- Blue: Hall B
- Green: Hall C

Technical Data
- Type: 180WD-M25020-72V
- Power (KW): 5.2
- Rated voltage (V): 72
- Rated current (A): 86
- Rated speed (rpm): 2000
- Rated torque (NM): 25
- Rotor inertia (Kgcm²): 93
- Protection rank: IP65
- Insulation rank: F
- Temperature: 0-50°C
- Humidity: <90%
- Motor weight (KG): 26

Motor power line: a length of 500 mm
Plug-in models: SP75-##
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-##
Hall signal lines: a length of 500 mm
Plug-in type: DJ7061-1.5
Motor to Hall Relationship

Line Define

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

Feedback Wire
- Orange and black: Hall A
- Orange: Hall B
- Blue: Hall C
- Green: Hall D

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#

Technical Data

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<thead>
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<th>Type</th>
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<td>Rated current (A)</td>
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<td>Rated speed (rpm)</td>
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<td>Rated torque (NM)</td>
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<td>Motor inertia (Kgcm²)</td>
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<td>Protection rank</td>
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<tr>
<td>Insulation rank</td>
<td>F</td>
</tr>
<tr>
<td>Appropriate environment</td>
<td>Temperature: 0~50℃ Humidity: &lt;90% (No dewdrop)</td>
</tr>
<tr>
<td>Motor weight (KG)</td>
<td>26</td>
</tr>
</tbody>
</table>

Motor weight (KG): 26
Appropriate environment: Temperature: 0~50℃ Humidity: <90% (No dewdrop)

www.ato.com sales@ato.com Globle Shipping +1 800-585-1519