### Maximum Wire Size Capacities and Tightening Torques for Input Disconnects

The change of the input disconnect switches and circuit breakers used in some ACH550-PCR and PDR units results in a change to the maximum wire size and tightening torque information shown in the rev. B User’s Manual.

### Power Connection Terminals

The following tables show maximum wire size and required tightening torque for incoming power, motor and grounding terminals.

#### 208…240 Volt

<table>
<thead>
<tr>
<th>HP</th>
<th>Power Wiring Data</th>
<th>Base Frame Size</th>
<th>Circuit Breaker 1&amp;12</th>
<th>Circuit Breaker 3R</th>
<th>Disconnect Switch 1&amp;12</th>
<th>Disconnect Switch 3R</th>
<th>Motor Terminals</th>
<th>Ground Lugs UL Type 1&amp;12</th>
<th>Ground Lugs UL Type 3R</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td></td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
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</tr>
<tr>
<td>7.5</td>
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<td>R2</td>
<td>#6 45 in-lbs</td>
<td>#6 62 in-lbs</td>
<td>#8 7 in-lbs</td>
<td>#6 12 in-lbs</td>
<td>#6 35 in-lbs</td>
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<td></td>
<td>R2</td>
<td>#6 45 in-lbs</td>
<td>#6 62 in-lbs</td>
<td>#8 7 in-lbs</td>
<td>#6 12 in-lbs</td>
<td>#6 35 in-lbs</td>
<td>#6 40 in-lbs</td>
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<tr>
<td>15</td>
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<td>R3</td>
<td>#3 50 in-lbs</td>
<td>#3 62 in-lbs</td>
<td>#4 18 in-lbs</td>
<td>#4 24 in-lbs</td>
<td>#3 50 in-lbs</td>
<td>#3 50 in-lbs</td>
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<td>20</td>
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<td>R3</td>
<td>#3 50 in-lbs</td>
<td>#3 62 in-lbs</td>
<td>#4 18 in-lbs</td>
<td>#4 24 in-lbs</td>
<td>#3 50 in-lbs</td>
<td>#3 50 in-lbs</td>
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</tr>
<tr>
<td>25</td>
<td></td>
<td>R4</td>
<td>#1 50 in-lbs</td>
<td>#1 62 in-lbs</td>
<td>#1 55 in-lbs</td>
<td>#1 55 in-lbs</td>
<td>#1 48 in-lbs</td>
<td>#2 50 in-lbs</td>
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<td>30</td>
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<td>R4</td>
<td>#1 50 in-lbs</td>
<td>#1 62 in-lbs</td>
<td>#1 55 in-lbs</td>
<td>#1 55 in-lbs</td>
<td>#1 48 in-lbs</td>
<td>#2 50 in-lbs</td>
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<td>40</td>
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<td>R4</td>
<td>350 MCM 274 in-lbs</td>
<td>300 MCM 200 in-lbs</td>
<td>#1/0 70 in-lbs</td>
<td>#1/0 48 in-lbs</td>
<td>#2 50 in-lbs</td>
<td>#2 50 in-lbs</td>
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<tr>
<td>50</td>
<td></td>
<td>R6</td>
<td>350 MCM 275 in-lbs</td>
<td>300 MCM 275 in-lbs</td>
<td>#1/0 70 in-lbs</td>
<td>#1/0 48 in-lbs</td>
<td>#2 50 in-lbs</td>
<td>#2 50 in-lbs</td>
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<td>60</td>
<td></td>
<td>R6</td>
<td>350 MCM 275 in-lbs</td>
<td>300 MCM 275 in-lbs</td>
<td>350 MCM 200 in-lbs</td>
<td>3 x #3/0 275 in-lbs</td>
<td>#2/0 275 in-lbs</td>
<td>350 MCM 100 in-lbs</td>
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<tr>
<td>75</td>
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<td>R6</td>
<td>2 x 250 MCM 274 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 274 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
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<td>R6</td>
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<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 274 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
<td>2 x 250 MCM 275 in-lbs</td>
</tr>
</tbody>
</table>

1. "PxR" represents both PCR and PDR.
2. Torque values shown relate to current production. Check component labels on previously installed units for required tightening torque.
# Addendum to ACH550-PC/PD User Manual REV B

## 380…480 Volt

<table>
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<tr>
<th>HP</th>
<th>Type Code ¹</th>
<th>Base Drive Frame Size</th>
<th>Circuit Breaker 1&amp;12</th>
<th>Circuit Breaker 3R</th>
<th>Disconnect Switch 1&amp;12</th>
<th>Disconnect Switch 3R</th>
<th>Motor Terminals</th>
<th>Ground Lugs UL Type 1&amp;12</th>
<th>Ground Lugs UL Type 3R</th>
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<tr>
<td>1/1.5</td>
<td>ACH550-PxR-03A3-4</td>
<td>R1</td>
<td>#10 35 in-lbs</td>
<td>#10 62 in-lbs</td>
<td>#10 7 in-lbs</td>
<td>#10 12 in-lbs</td>
<td>#10 35 in-lbs</td>
<td>#10 40 in-lbs</td>
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</tr>
<tr>
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<td>ACH550-PxR-04A1-4</td>
<td>R1</td>
<td>#6 45 in-lbs</td>
<td>#6 62 in-lbs</td>
<td>#8 7 in-lbs</td>
<td>#8 12 in-lbs</td>
<td>#6 35 in-lbs</td>
<td>#6 40 in-lbs</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ACH550-PxR-06A9-4</td>
<td>R1</td>
<td>#3 50 in-lbs</td>
<td>#3 62 in-lbs</td>
<td>#4 18 in-lbs</td>
<td>#4 24 in-lbs</td>
<td>#3 50 in-lbs</td>
<td>#3 50 in-lbs</td>
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<td>#1 55 in-lbs</td>
<td>#1 48 in-lbs</td>
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<td>#8 12 in-lbs</td>
<td>#6 35 in-lbs</td>
<td>#6 40 in-lbs</td>
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<td>#4 18 in-lbs</td>
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<td>#4 24 in-lbs</td>
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<td>R4</td>
<td>#1 50 in-lbs</td>
<td>#1 62 in-lbs</td>
<td>#1 55 in-lbs</td>
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<td>#1 50 in-lbs</td>
<td>#2 50 in-lbs</td>
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<td>350 MCM 274 in-lbs</td>
<td>300 MCM 200 in-lbs</td>
<td>300 MCM 275 in-lbs</td>
<td>300 MCM 200 in-lbs</td>
<td>350 MCM 360 in-lbs</td>
<td>3 x #3/0 500 in-lbs</td>
<td>#2/0 375 in-lbs</td>
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<td>2 x 250 MCM 274 in-lbs</td>
<td>2 x 250 MCM 274 in-lbs</td>
<td>2 x 250 MCM 274 in-lbs</td>
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<td>2 x 500 MCM 274 in-lbs</td>
<td>2 x 500 MCM 274 in-lbs</td>
<td>2 x 500 MCM 274 in-lbs</td>
<td>5 Bus Bar Holes (13/32” Bolts)</td>
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<td>2 x 500 MCM 274 in-lbs</td>
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<td>500</td>
<td>ACH550-PxR-602A-4</td>
<td>R8</td>
<td>3 x 400 MCM 375 in-lbs</td>
<td>3 x 400 MCM 375 in-lbs</td>
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</tr>
</tbody>
</table>

¹ “PxR” represents both PCR and PDR.

2. Torque values shown relate to current production. Check component labels on previously installed units for required tightening torque.
## Addendum to ACH550-PC/PD User Manual REV B

500..600 Volt

<table>
<thead>
<tr>
<th>HP</th>
<th>Type Code ¹</th>
<th>Frame Size</th>
<th>Circuit Breaker 1&amp;12</th>
<th>Circuit Breaker 3R</th>
<th>Disconnect Switch 1&amp;12</th>
<th>Disconnect Switch 3R</th>
<th>Motor Terminals</th>
<th>Ground Lugs UL Type 1&amp;12</th>
<th>Ground Lugs UL Type 3R</th>
</tr>
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<tbody>
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<tr>
<td>3</td>
<td>ACH550-PxR-03A9-6</td>
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<tr>
<td>5</td>
<td>ACH550-PxR-06A1-6</td>
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<tr>
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<td>ACH550-PxR-011A-6</td>
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</tbody>
</table>

1. “PxR” represents both PCR and PDR.
2. Torque values shown relate to current production. Check component labels on previously installed units for required tightening torque.