

The screenshot shows a web browser window with the address bar displaying `https://connections.electrotate.com/index.php`. The page header features the **ELECTROTATE** logo on the left and a login section on the right with fields for **Username** and **Password**, a **Login** button, and a **Forgot Password?** link. The main content area is titled **Electric Motor Repair Application (Internal Connections)** and contains the following text:

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

Please log in to try this application. For a limited time, you may log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

At the bottom of the page, there are two links: **Contact Us** and **Website Instructions File**, and a copyright notice: © 2025 **Electrotate.com** All Rights Reserved.

Navigate to: `https:connections.electrotate.com`

Electrotate.com Home

https://connections.electrotate.com/index.php

ELECTROTATE

Username: Password: [Login](#) [Forgot Password?](#)

Electric Motor Repair Application (Internal Connections)

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

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Enter username and password, and click the 'Login' button to log in.

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header includes the Electrotate logo, the user name "User: User Easa", and a "Logout" link. A navigation menu contains the following items: "Add New", "Search", "Delta", "Star", "Star/Delta", "Delta PWS", "Star PWS", "Var. Torq.", "Const. Torq.", and "Const. HP". The "Add New" link is highlighted with a mouse cursor. The main content area is titled "Electric Motor Repair Application (Internal Connections)" and contains the following text:

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

Please log in to try this application. For a limited time, you may log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

At the bottom of the page, there are two links: "Contact Us" and "Website Instructions File". The footer text reads: "© 2025 Electrotate.com All Rights Reserved". The browser's address bar at the bottom shows the URL `https://connections.electrotate.com/addconnection.php`.

Navigation links include: 'Add New' to add a new connection . . .

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header includes the **ELECTROTATE** logo, the user name **User: User Easa**, and a **Logout** link. A navigation menu contains the following items: **Add New**, **Search**, **Delta** (highlighted with a dropdown menu), **Star**, **Star/Delta**, **Delta PWS**, **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**. The **Delta** dropdown menu lists options from **Delta 2 Pole** to **Delta 24 Pole**. The main content area features a blue link for **Motor Repair Application (Internal Connections)** and text explaining that the application provides three-phase electric motor internal connection diagrams. It also includes a **Contact Us** link, a **Website Instructions File** link, and a copyright notice: **© 2025 Electrotate.com All Rights Reserved**. The browser's address bar at the bottom shows `https://connections.electrotate.com/connections.php?type=1`.

. . . drop down menu for Delta connections . . .

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header includes the **ELECTROTATE** logo, the user name **User: User Easa**, and a **Logout** link. A navigation menu is visible with the following items: **Add New**, **Search**, **Delta**, **Star**, **Star/Delta**, **Delta PWS**, **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**. The **Star** menu item is active, and a dropdown menu is displayed with the following options: **Star 2 Pole**, **Star 4 Pole**, **Star 6 Pole**, **Star 8 Pole**, **Star 10 Pole**, **Star 12 Pole**, **Star 14 Pole**, **Star 16 Pole**, **Star 18 Pole**, **Star 20 Pole**, **Star 22 Pole**, and **Star 24 Pole**. The main content area contains text about electric motor internal connection diagrams, a login form with the username `testuser` and password `Password1`, and links for **Contact Us** and **Website Instructions File**. The footer includes the copyright notice `© 2025 Electrotate.com All Rights Reserved`. The browser's address bar at the bottom shows the URL `https://connections.electrotate.com/connections.php?type=2`.

. . . drop down menu for Star connections . . .

Electrotate.com Home

https://connections.electrotate.com/index.php

ELECTROTATE User: User Easa Logout

Add New	Search	Delta	Star	Star/Delta	Delta PWS	Star PWS	Var. Torq.	Const. Torq.	Const. HP
---------	--------	-------	------	------------	-----------	----------	------------	--------------	-----------

Electric Motor R (Internal Connections)

Star/Delta 2 Pole

Star/Delta 4 Pole

Star/Delta 6 Pole

Star/Delta 8 Pole

Star/Delta 10 Pole

Star/Delta 12 Pole

Star/Delta 14 Pole

Star/Delta 16 Pole

Star/Delta 18 Pole

Star/Delta 20 Pole

Star/Delta 24 Pole

This application auto-generates three-phase motor connection diagrams. There are currently a few connections available to view, which have been developed and tested.

You can choose to display all of the connections, or to draw each connection individually.

Please log in to try this application. For more information, please log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

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https://connections.electrotate.com/connections.php?type=3

. . . drop down menu for Star/Delta connections . . .

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header features the **ELECTROTATE** logo and a user profile for **User: User Easa** with a **Logout** link. A navigation menu contains the following items: **Add New**, **Search**, **Delta**, **Star**, **Star/Delta**, **Delta PWS** (highlighted with a mouse cursor), **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**.

Electric Motor Repair Application (Internal Connections)

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

Please log in to try this application. For a limited time, you may log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

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The browser's address bar at the bottom shows the URL: `https://connections.electrotate.com/connections.php?type=4`

. . . and menus for Delta PWS, Star PWS, Variable Torque, Constant Torque, and Constant HP.

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header includes the **ELECTROTATE** logo, the user name **User: User Easa**, and a **Logout** link. Below the header is a navigation menu with tabs: **Add New**, **Search**, **Delta**, **Star**, **Star/Delta**, **Delta PWS**, **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**. The **Delta** tab is active, and a dropdown menu is open, listing options from **Delta 2 Pole** to **Delta 24 Pole**. The **Delta 4 Pole** option is highlighted by a mouse cursor. The main content area features a blue link for **Motor Repair Application (Internal Connections)** and a paragraph of text: "This application provides three-phase electric motor internal connection diagrams. There are currently a few connections available, while the website is being developed and tested. You can choose from the connections on a diagram, or to draw each connection individually. Please log in. For a limited time, you may log in with: Username: Password: For questions to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page." At the bottom of the page, there are links for **Contact Us** and **Website Instructions File**, and a copyright notice: "© 2025 Electrotate.com All Rights Reserved". The browser's address bar at the bottom shows the URL `https://connections.electrotate.com/connections.php?type=1&pol=4`.

Select the Delta drop down menu, and click on Delta 4 Pole navigation link.

The screenshot shows a web browser window with the URL <https://connections.electrotate.com/connections.php?tipe=1&pol=4>. The page header includes the Electrotate logo, the user name "User: User Easa", and a "Logout" link. A navigation menu contains buttons for "Add New", "Search", "Delta", "Star", "Star/Delta", "Delta PWS", "Star PWS", "Var. Torq.", "Const. Torq.", and "Const. HP". The main heading is "Get Delta Connection". A light blue banner contains the text: "(*) Required Field Fill out and submit this form to auto-draw your connection diagram." Below this is a grey bar labeled "Connection Information". The form includes four fields: "Connection" (a dropdown menu), "Start Position" (a dropdown menu with a tooltip that says "Where drawing and coil end number 1 starts"), "Counter-Clockwise" (radio buttons for "No" and "Yes" with a tooltip: "Draw diagram counter-clockwise? If no, diagram will be drawn clockwise"), and "Draw Connections" (radio buttons for "No" and "Yes" with a tooltip: "Draw connections, or display individual connection buttons?"). A large green "Submit" button is centered below the form. At the bottom of the page, there are links for "Contact Us" and "Website Instructions File", and a copyright notice: "© 2025 Electrotate.com All Rights Reserved".

The next page displays a form. You can select a Delta connection, Start Position, Counter-Clockwise (or not), and whether to draw all connections, or display connection buttons.

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?tipo=1&pol=4

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

* Connection ** Select Connection **

* Start Position 4 Pole, Delta Connected, Adjacent Pole, 1 Circuit coil end number 1 starts

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit

* Counter-Clockwise 4 Pole, Delta Connected, Skip Pole, 2 Circuit ram will be drawn clockwise

* Draw Connections No Yes Draw connections, or display individual connection buttons?

Submit

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Click on the Connection select entry, and select '4 Pole, Delta Connected, Adjacent Pole, 1 Circuit' connection.

The screenshot shows a web browser window with the URL <https://connections.electrotate.com/connections.php?tipe=1&pol=4>. The page header includes the Electrotate logo, the user name "User: User Easa", and a "Logout" link. A navigation menu contains buttons for "Add New", "Search", "Delta", "Star", "Star/Delta", "Delta PWS", "Star PWS", "Var. Torq.", "Const. Torq.", and "Const. HP".

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection: 4 Pole, Delta Connected, Adjacen ✓✓
- * Start Position: [Dropdown] Where drawing and coil end number 1 starts **** Select Start Position ****
- * Counter-Clockwise: [Dropdown] clockwise? If no, diagram will be drawn clockwise
- * Draw Connections: [Dropdown] display individual connection buttons?

The "Draw Connections" dropdown menu is open, showing the following options: Top, Right, **Bottom** (highlighted), and Left. A mouse cursor is pointing at the "Bottom" option.

Submit

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Select the drawing orientation, Top, Right, Bottom or Left. In this case, select Bottom. This determines where the start of the drawing, and the number 1 coil end appears.

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?tipe=1&pol=4

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection: 4 Pole, Delta Connected, Adjacen ✓✓
- * Start Position: Bottom ✓✓ Where drawing and coil end number 1 starts
- * Counter-Clockwise: No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓
- * Draw Connections: No Yes Draw connections, or display individual connection buttons?

Submit

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Choose whether connection diagram is drawn clockwise (Yes), or counter-clockwise (No).

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?tipe=1&pol=4

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection 4 Pole, Delta Connected, Adjacen ✓✓
- * Start Position Bottom ✓✓ Where drawing and coil end number 1 starts
- * Counter-Clockwise No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓
- * Draw Connections No Yes Draw connections, or display individual connection buttons? ✓✓

Submit

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Choose to draw and show all of the connections on the connection diagram.

Electrotate.com Connection x +

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ELECTROTATE ⚡ User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection 4 Pole, Delta Connected, Adjacen ✓✓
- * Start Position Bottom ✓✓ Where drawing and coil end number 1 starts
- * Counter-Clockwise No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓
- * Draw Connections No Yes Draw connections, or display individual connection buttons? ✓✓

Submit

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We selected '4 Pole, Delta Connected, Adjacent Pole, 1 Circuit' connection', Bottom orientation, clockwise rotation, and display all of the connections. Click Submit button.

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https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Bottom Rotation: Clockwise)

Views: 6

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1,11,13,23)
Connect all **T1** coil ends as **T1** lead.

T2 (7,9,19,21)
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)
Connect all **T3** coil ends as **T3** lead.

Print

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The connection diagram is displayed on the right side of the screen, and the written connections on the left. The drawing starts at the bottom, and is drawn clockwise.

Electrotate.com Connection × +

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ELECTROTATE ⚡ User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Bottom Rotation: Clockwise)

Views: 6

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1,11,13,23)
Connect all **T1** coil ends as **T1** lead.

T2 (7,9,19,21)
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)
Connect all **T3** coil ends as **T3** lead.

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The written connection key is displayed in a scrollable window on the left side of the page.

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https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Bottom Rotation: Clockwise)

T2 (7,9,19,21)
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)
Connect all **T3** coil ends as **T3** lead.

Cross Connections

(2, 8)
(6, 12)
(10, 16)
(14, 20)
(18, 24)
(22, 4)

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Scroll down to view the connections. Notice the connection (2,8), is drawn in green on the drawing. Each phase is colored either green, red or blue.

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?tipe=1&pol=4

ELECTROTATE ⚡ User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection ✓✓
- * Start Position Where drawing and coil end number 1 starts ✓✓
- * Counter-Clockwise No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓
- * Draw Connections No Yes Draw connections, or display individual connection buttons? ✓✓

Submit

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Return to the form, and select Top start position, Yes for counter-clockwise rotation, and click the Submit button.

Electrotate.com Connection × +

https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Counter-Clockwise)

Views: 8

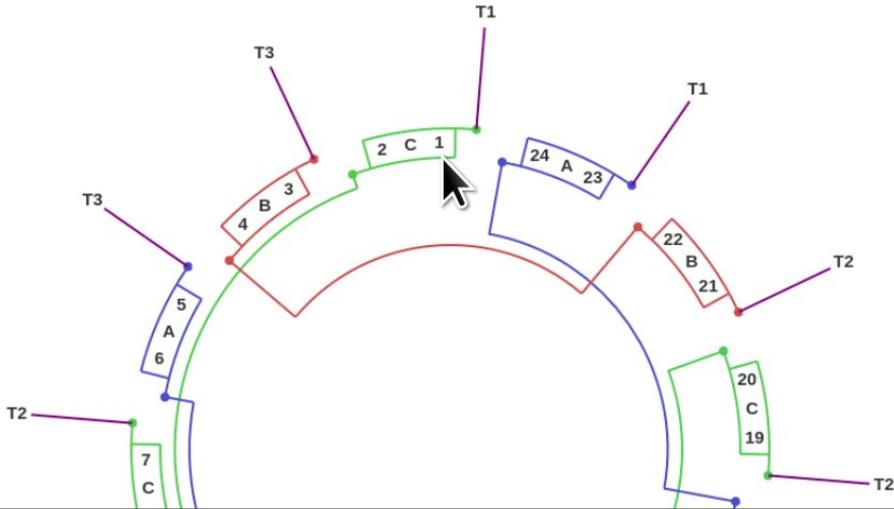
To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1,11,13,23)
Connect all **T1** coil ends as **T1** lead.

T2 (7,9,19,21)
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)
Connect all **T3** coil ends as **T3** lead.



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The connection diagram is now shown with a start position at the top, and counter-clockwise rotation. Some winders connect clockwise, and others counter-clockwise.

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https://connections.electrotate.com/connections.php?tipt=1&pol=4

ELECTROTATE  User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Delta Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

- * Connection ✓✓
- * Start Position Where drawing and coil end number 1 starts ✓✓
- * Counter-Clockwise No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓
- * Draw Connections No Yes Draw connections, or display individual connection buttons? ✓✓

Submit

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Return to the form and select Top orientation, No for counter-clockwise, and No for Draw Connections, then click the Submit button.

Electrotate.com Connection × +

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ELECTROTATE ⚡ User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Views: 9

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1,11,13,23)
Draw
Connect all **T1** coil ends as **T1** lead.

T2 (7,9,19,21)
Draw
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)

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The drawing is shown with no connections. On the written connection key, there is a green 'Draw' button next to each connection.

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https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Connect all T2 coil ends as T2 lead.

T3 (3,5,15,17) Draw

Connect all T3 coil ends as T3 lead.

Cross Connections

(2, 8) Draw

(6, 12) Draw

(10, 16) Draw

(14, 20) Draw

(18, 24) Draw

(22, 4) Draw

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Scroll down the connection key window to see all of the connection buttons. Clicking these buttons will draw the corresponding connection on the diagram.

Electrotate.com Connection × +

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ELECTROTATE ⚡ User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1,11,13,23)
Connect all **T1** coil ends as **T1** lead.

T2 (7,9,19,21) **Draw**
Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17) **Draw**

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The button for 'T1' has been clicked, and the 'T1' connection is now shown on the drawing. The Draw button disappears once the connection has been drawn.

Electrotate.com Connection × +

https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)

Connect all **T3** coil ends as **T3** lead.

Cross Connections

(2, 8)

(6, 12) Draw

(10, 16) Draw

(14, 20) Draw

(18, 24) Draw

(22, 4) Draw

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The buttons for 'T2' and 'T3' leads have been clicked, and the connections are now shown on the drawing. The cross connection (2,8) has also been drawn.

Electrotate.com Connection x +

https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)

Connect all **T3** coil ends as **T3** lead.

Cross Connections

- (2, 8)
- (6, 12)
- (10, 16)
- (14, 20)
- (18, 24)
- (22, 4)

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The button for the (6,12) connection has been clicked, and it is now shown on the drawing in blue.

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https://connections.electrotate.com/connectiondata.php

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Delta Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Connect all **T2** coil ends as **T2** lead.

T3 (3,5,15,17)

Connect all **T3** coil ends as **T3** lead.

Cross Connections

- (2, 8)
- (6, 12)
- (10, 16)
- (14, 20)
- (18, 24)
- (22, 4)

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The connection buttons have all been clicked, and all the connections are shown on the diagram.

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/connections.php?tipo=3`. The page header includes the Electrotate logo, the user name "User: User Easa", and a "Logout" link. Below the header is a navigation menu with the following items: "Add New", "Search", "Delta", "Star", "Star/Delta", "Delta PWS", "Star PWS", "Var. Torq.", "Const. Torq.", and "Const. HP". The "Star/Delta" link is selected, and a dropdown menu is displayed with the following options: "Star/Delta 2 Pole", "Star/Delta 4 Pole", "Star/Delta 6 Pole", "Star/Delta 8 Pole", "Star/Delta 10 Pole", "Star/Delta 12 Pole", "Star/Delta 14 Pole", "Star/Delta 16 Pole", "Star/Delta 18 Pole", "Star/Delta 20 Pole", "Star/Delta 22 Pole", and "Star/Delta 24 Pole". The "Star/Delta 6 Pole" option is highlighted with a mouse cursor. Below the dropdown menu are links for "Contact Us" and "Website Instructions File". At the bottom of the page, there is a copyright notice: "© 2025 Electrotate.com All Rights Reserved". The browser's address bar at the bottom shows the URL `https://connections.electrotate.com/connections.php?tipo=3&pol=6`.

If the top level navigation link is clicked instead of a drop down link, the page displays a table of links for that connection type. Click on the Star/Delta 6 Pole connection link.

Electrotate.com Connection x +

https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Wye Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Views: 1

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1, 13)
Connect all **T1** coil ends as **T1** lead.

T2 (9, 21)
Connect all **T2** coil ends as **T2** lead.

T3 (5, 17)
Connect all **T3** coil ends as **T3** lead.

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A 4 Pole, Wye Connected, Adjacent Pole, 2 Circuit connection is shown here. The wyes are labeled 'Star'.

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https://connections.electrotate.com/connectiondata.php

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

4 Pole, Wye Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Views: 1

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1, 13)
Connect all **T1** coil ends as **T1** lead.

T2 (9, 21)
Connect all **T2** coil ends as **T2** lead.

T3 (5, 17)
Connect all **T3** coil ends as **T3** lead.

Print

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Website Instructions File

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To print the connection diagram and written connection key, click the 'Print' button at the bottom of the page.

Electrotate.com Connection × +

← → ↻ 🏠 🔒 https://connections.electrotate.com/connectiondata.php ☆ 📄 📄 📄 📄 📄 📄 📄

Add New Const. HP

Views: 1

To print drawing use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1, 13)
Connect all **T1** ends as **T1** lead

T2 (9, 21)
Connect all **T2** ends as **T2** lead

T3 (5, 17)
Connect all **T3** ends as **T3** lead

https://connection.electrotate.com

4 Pole, Wye Connected, Adjacent Pole, 2 Circuit (Start: Top Rotation: Clockwise)

Star

1 of 2

Print 2 sheets of paper

Destination
PDF

Copies
1

Orientation
Portrait Landscape

Pages
All

Color mode
Color

Fewer settings

Paper size
US Letter

Scale
 Fit to page width
 Scale 100

Cancel Print

Print

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Website Instructions File

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This brings up the print dialog. Choose to print, or save as pdf file. The first page shows the drawing . . .

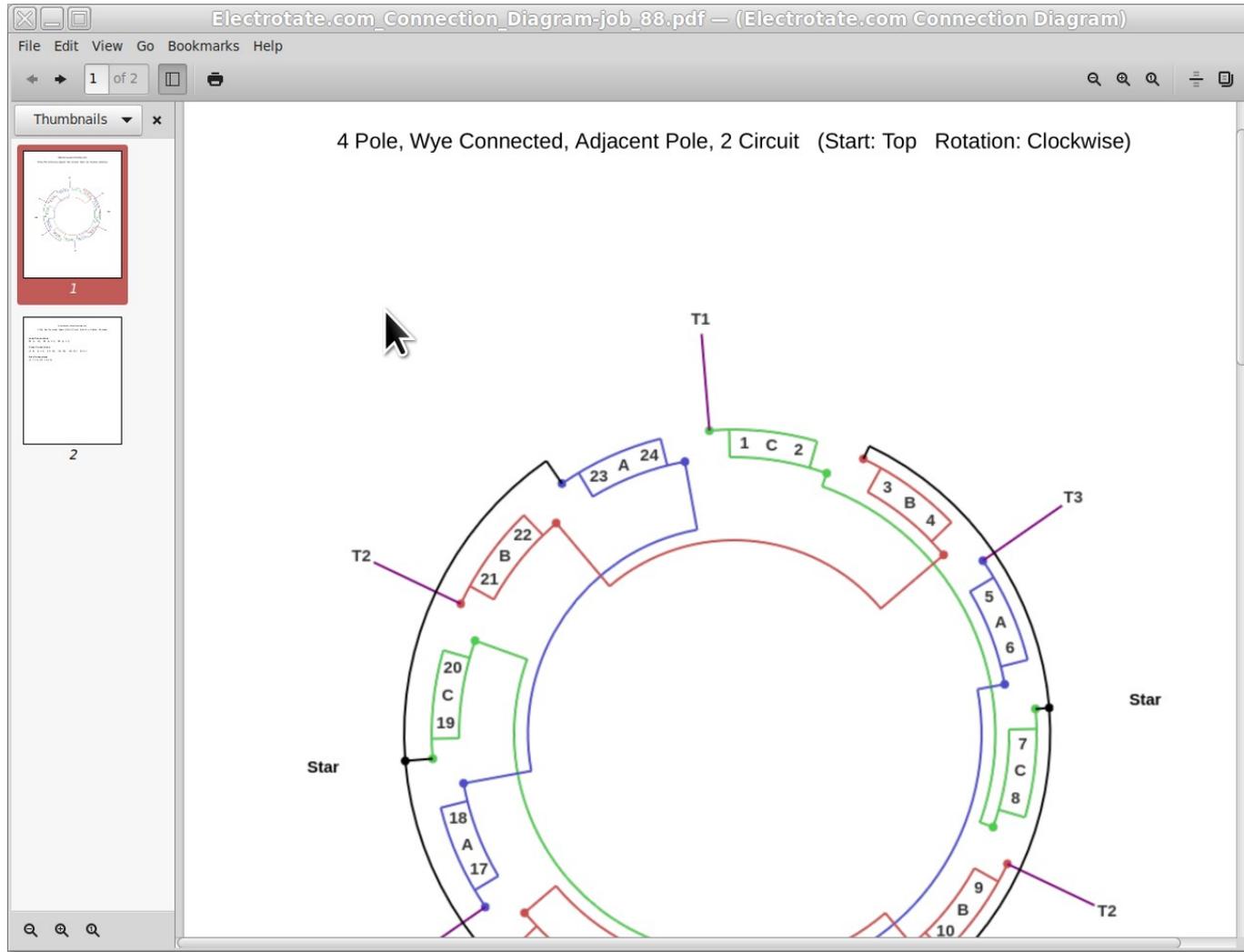
The screenshot shows a web browser window with the URL `https://connections.electrotate.com/connectiondata.php`. The page content includes:

- Navigation: Add New, Const. HP
- Views: 1
- Instruction: To print drawings use the 'Print' button at the bottom of the page.
- Lead Connections: T1 (1, 13), T2 (9, 21), T3 (5, 17)
- Cross Connections: (2, 8) (6, 12) (10, 16) (14, 20) (18, 24) (22, 4)
- Star Connections: (3, 7, 11) (15, 19, 23)
- Page navigation: << < 2 of 2 > >>
- Footer: Print, Contact Us, Website Instructions File, © 2025 Electrotate.com All Rights Reserved

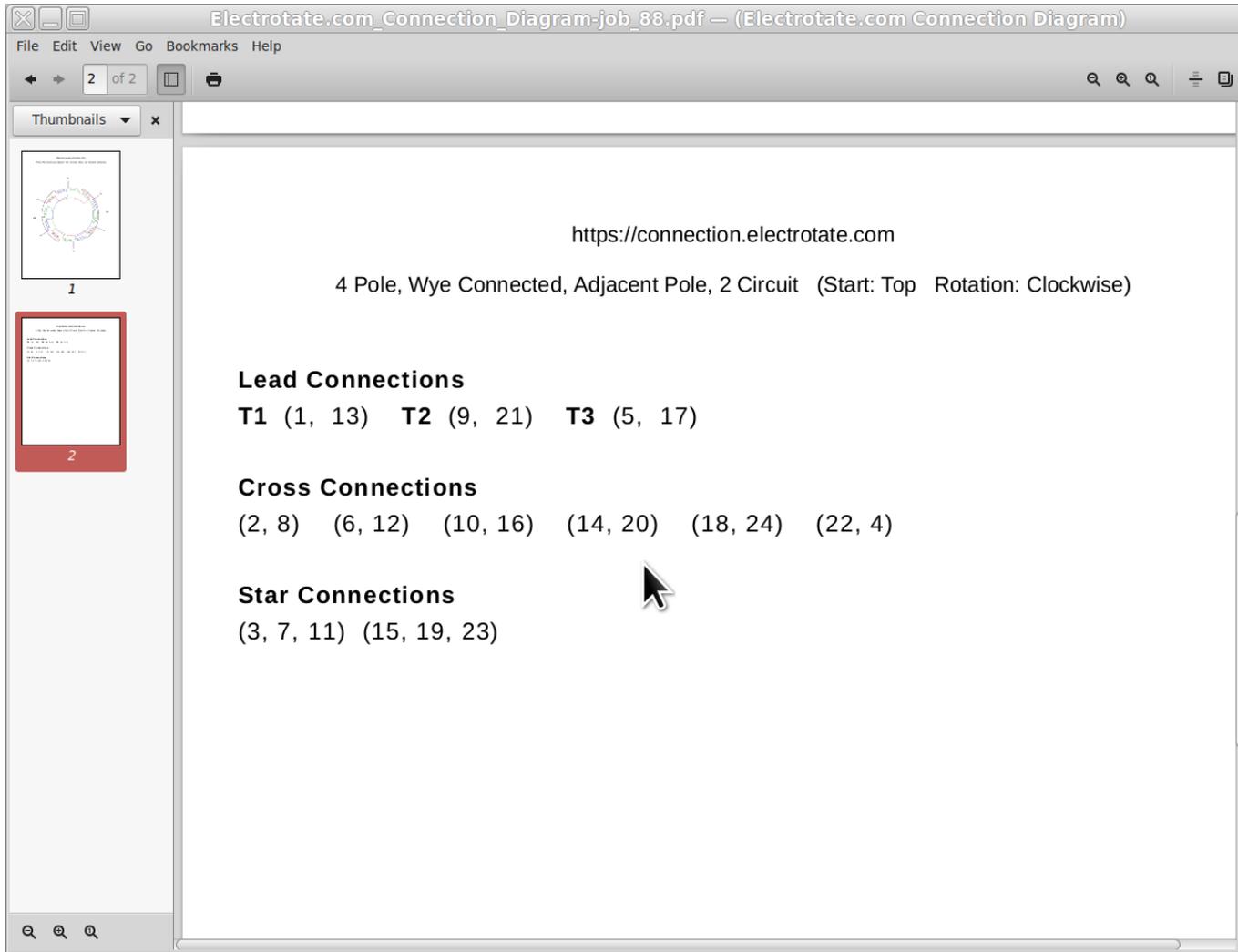
The print dialog is open, showing the following settings:

- Print: 2 sheets of paper
- Destination: PDF
- Copies: 1
- Orientation: Portrait (selected), Landscape
- Pages: All
- Color mode: Color
- Fewer settings: ^
- Paper size: US Letter
- Scale: Fit to page width, Scale 100
- Buttons: Cancel, Print

. . . and the second page displays the written connection key.



Shown here is the first page of the saved pdf file, showing the diagram.



The second page of the pdf file shows the written connection key.

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/index.php`. The page header includes the **ELECTROTATE** logo, the user name **User: User Easa**, and a **Logout** link. A navigation menu contains the following items: **Add New**, **Search**, **Delta**, **Star**, **Star/Delta**, **Delta PWS**, **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**. The **Add New** link is highlighted with a mouse cursor. The main content area is titled **Electric Motor Repair Application (Internal Connections)** and contains the following text:

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

Please log in to try this application. For a limited time, you may log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

At the bottom of the page, there are two links: **Contact Us** and **Website Instructions File**. The footer text reads: © 2025 **Electrotate.com** All Rights Reserved. The browser's address bar at the bottom shows `https://connections.electrotate.com/addconnection.php`.

Click on the 'Add New' navigation link, to add a new connection.

Electrotate.com Add Connec x

https://connections.electrotate.com/addconnection.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

New Connection

* Connection Name

* Poles

* Connection Type

* Circuits

* Jumpers

* T1 [Add lead connection points](#)

* T2 [Add lead connection points](#)

* T3 [Add lead connection points](#)

T4 [Add lead connection points](#)

T5 [Add lead connection points](#)

T6 [Add lead connection points](#)

T7 [Add lead connection points](#)

T8 [Add lead connection points](#)

The form has several required fields, Name, Poles, Type, Circuits, Jumpers, T1, T2, and T3 leads. The rest of the fields are optional, depending on the connection entered.

Electrotate.com Add Connec X +

https://connections.electrotate.com/addconnection.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

New Connection

* Connection Name ✓✓

* Poles ✓✓

* Connection Type ** Select Connection Type **

* Circuits

* Jumpers

* T1 Add lead connection points

* T2 Add lead connection points

* T3 Add lead connection points

* T4 Add lead connection points

T5 Add lead connection points

T6 Add lead connection points

T7 Add lead connection points

T8 Add lead connection points

The Connection Name has been added, and the poles selected (6). Select the type of connection, in this case, Star.

Electrotate.com Add Connec X

https://connections.electrotate.com/addconnection.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

New Connection

* Connection Name ✓✓

* Poles ✓✓

* Connection Type ✓✓

* Circuits ** Select Circuits **

* Jumpers

1		
* T1	10	Add lead connection points
	10 & 20	
* T2	11	Add lead connection points
	11 & 22	
* T3	12	Add lead connection points
	12 & 24	
T4	14	Add lead connection points
	16	
T5	18	Add lead connection points
	2	
T6	2 & 4	Add lead connection points
	20	
	22	
T7	24	Add lead connection points
	3	
T8	3 & 6	Add lead connection points

Select '1 & 2' from the Circuits selection form entry.

Electrotate.com Add Connec x +

https://connections.electrotate.com/addconnection.php

New Connection

- * Connection Name ✓✓
- * Poles ✓✓
- * Connection Type ✓✓
- * Circuits ✓✓
- * Jumpers ✓✓

* T1 [Add lead connection points](#)

* T2 [Add lead connection points](#)

* T3 [Add lead connection points](#)

T4 [Add lead connection points](#)

T5 [Add lead connection points](#)

T6 [Add lead connection points](#)

T7 [Add lead connection points](#)

T8 [Add lead connection points](#)

T9 [Add lead connection points](#)

T10 [Add lead connection points](#)

The Jumpers selected is 1-4, which is the cross connection parameter for 'Adjacent Pole' connections.

Adding leads, stars/wyes and cross connections must be done in the following manner.

For stars, please use a comma separated list for each coil end, separated by a forward slash. Example:

3, 7, 11 / 15, 19, 23

For cross connections, please separate each coil end number with a dash, and each connection with a comma. Example:

2-8, 6-12, 10-16, . . . etc.

Cross connectons such as 71 and 5 must be entered as 71-5, which is the shortest distance between the two coil ends. If it is entered as 5-71, it will not display correctly.

For leads, use a comma separated list for each lead. Example:

1, 8, 13, 20

Electrotate.com Add Connec x

https://connections.electrotate.com/addconnection.php

* Poles ✓✓

* Connection Type ✓✓

* Circuits ✓✓

* Jumpers ✓✓

* T1 [Add lead connection points](#) ✓✓

* T2 [Add lead connection points](#) ✓✓

* T3 [Add lead connection points](#) ✓✓

T4 [Add lead connection points](#) ✓✓

T5 [Add lead connection points](#) ✓✓

T6 [Add lead connection points](#) ✓✓

T7 [Add lead connection points](#) ✓✓

T8 [Add lead connection points](#) ✓✓

T9 [Add lead connection points](#) ✓✓

T10 [Add lead connection points](#)

T11 [Add lead connection points](#)

T12 [Add lead connection points](#)

Enter the coil end numbers for each lead T1-T9.

Electrotate.com Add Connec x

https://connections.electrotate.com/addconnection.php

T7 [Add lead connection points](#) ✓✓

T8 [Add lead connection points](#) ✓✓

T9 [Add lead connection points](#) ✓✓

T10 [Add lead connection points](#)

T11 [Add lead connection points](#)

T12 [Add lead connection points](#)

Across Points [Add cross connection points](#) You may add 923 more characters

Star Points [Add wye points if connection has internal stars](#) You may add 491 more characters

Submit

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Type in the cross connections in the 'Across Points' field, and the star connections in the 'Star Points' field. Then click the Submit button to save the connection in the database.

The screenshot shows a web browser window with the URL `https://connections.electrotate.com/addconnection.php`. The page header includes the **ELECTROTATE** logo, the user name **User: User Easa**, and a **Logout** link. Below the header is a navigation menu with tabs: **Add New**, **Search**, **Delta**, **Star**, **Star/Delta**, **Delta PWS**, **Star PWS**, **Var. Torq.**, **Const. Torq.**, and **Const. HP**. The **Star** tab is active, and a dropdown menu is open, listing options from **Star 2 Pole** to **Star 24 Pole**. The **Star 6 Pole** option is selected and highlighted. A blue banner across the page reads **Entered Successfully**. A message box on the left states **The information has been entered successfully**. On the right side, there are links for **Contact Us**, **Website Instructions File**, and **Electrotate.com All Rights Reserved**. The browser's address bar at the bottom shows `https://connections.electrotate.com/connections.php?type=2&pol=6`.

To view the just-added connection, click on the Star 6 Pole drop down menu.

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?ti=2&pol=6

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Star Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

* Connection ** Select Connection **

* Start Position 6 Pole, Wye Connected, Adjacent Pole, 2 Circuit and number 1 starts
6 Pole, Wye Connected, Adjacent Pole, 1 & 2 Circuit

* Counter-Clockwise 6 Pole, Wye Connected, Adjacent Pole, 1 & 2 Circuits will be drawn clockwise

* Draw Connections No Yes Draw connections, or display individual connection buttons?

Submit

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Select the '6 Pole, Wye Connected, Adjacent Pole, 1 & 2 Circuit' from the Connection select entry.

Electrotate.com Connection x +

https://connections.electrotate.com/connections.php?tipt=2&pol=6

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Get Star Connection

(*) Required Field Fill out and submit this form to auto-draw your connection diagram.

Connection Information

* Connection ✓✓

* Start Position Where drawing and coil end number 1 starts ✓✓

* Counter-Clockwise No Yes Draw diagram counter-clockwise? If no, diagram will be drawn clockwise ✓✓

* Draw Connections No Yes Draw connections, or display individual connection buttons? ✓✓

Submit

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Select Top for orientation, No for Counter-Clockwise, and Yes for Draw Connections, then click the Submit button.

Electrotate.com Connection × +

https://connections.electrotate.com/connectiondata.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

6 Pole, Wye Connected, Adjacent Pole, 1 & 2 Circuits (Start: Top Rotation: Clockwise)

Views: 1

To print drawing, use the 'Print' button at the bottom of the page.

Lead Connections

T1 (1)
Connect all **T1** coil ends as **T1** lead.

T2 (9)
Connect all **T2** coil ends as **T2** lead.

T3 (5)
Connect all **T3** coil ends as **T3** lead.

Print

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The drawing is shown starting at the top, with a clockwise rotation.

Electrotate.com Home

https://connections.electrotate.com/index.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Electric Motor Repair Application (Internal Connections)

This application auto-generates three-phase electric motor internal connection diagrams. There are currently a few connections available to view, while the website is being developed and tested.

You can choose to display all of the connections on a diagram, or to draw each connection individually.

Please log in to try this application. For a limited time, you may log in with:

Username: testuser
Password: Password1

For questions or comments, or to request a connection, please submit a 'Contact Us' form, linked at the bottom of each page.

[Contact Us](#)

Website Instruction file

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https://connections.electrotate.com/contact.php

To send questions, comments, or request a connection be added, please click the Contact Us link at the bottom of the page.

Electrotate.com Contact Us x +

https://connections.electrotate.com/contact.php

ELECTROTATE User: User Easa Logout

Add New Search Delta Star Star/Delta Delta PWS Star PWS Var. Torq. Const. Torq. Const. HP

Contact Electrotate Administrator

(*) Required Field Please share your questions or comments. Thank you for your input.

* Your Name

* Your Email

* Your Comments

* Answer Equation

Submit

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Fill in the form with your question, comment, or connection request, and submit. We will respond as soon as possible.