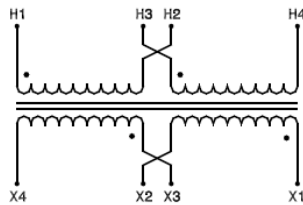


# Single Phase Connection Diagrams

## Dia. 1 Catalog Series 35-10XX & 80-10XX

Tap Arrangement: None

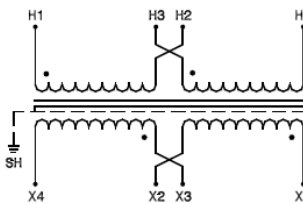
% High Voltage	High Voltage 240 X 480	Inter-Connect	Connect High Voltage Lines To
100	240	H1 To H3 H2 To H4	H1H3 & H2H4
100	480	H2 To H3	H1 & H4
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4



## Dia. 4 Catalog Series 85-10XXSH

Tap Arrangement: None

% High Voltage	High Voltage 240 X 480	Inter-Connect	Connect High Voltage Lines To
100	240	H1 To H3 H2 To H4	H1H3 & H2H4
100	480	H2 To H3	H1 & H4
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4



## Dia. 7 Catalog Series 61-34XXSH

Tap Arrangement: 2-2½% FCAN ( Full Capacity Above Normal)  
2-2½% FCBN ( Full Capacity Below Normal)

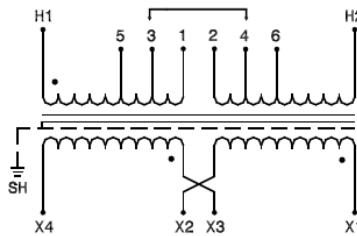
% High Voltage	High Voltage 208	Inter-Connect	Connect High Voltage Lines To
105	218	1 To 2	H1 & H2
102.5	213	2 To 3	
100	208	3 To 4	
97.5	203	4 To 5	
95	198	5 To 6	
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4

## Dia. 2 Catalog Series 85-14XXSH & 61-14XXSH

Tap Arrangement: 2 - 2½ FCAN ( Full Capacity Above Normal)  
2 - 2½ FCBN ( Full Capacity Below Normal)

% High Voltage	High Voltage 240 X 480	Inter-Connect	Connect High Voltage Lines To
105	252	H1 To 2 H2 To 1	H1 & H2
100	240	H1 To 4 H2 To 3	
95	228	H1 To 6 H2 To 5	
105	504	1 To 2	
102.5	492	2 To 3	
100	480	3 To 4	
97.5	468	4 To 5	H1 & H2
95	456	5 To 6	

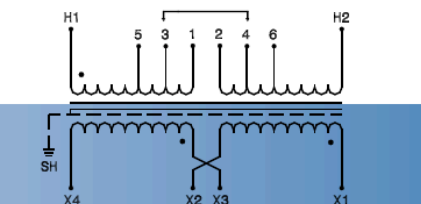
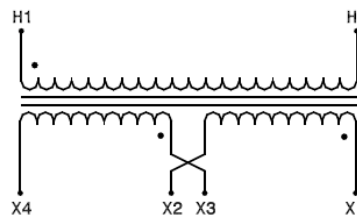
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4



## Dia. 5 Catalog Series 35-30XX & 80-30XX

Tap Arrangement: None

% High Voltage	High Voltage 208	Inter-Connect	Connect High Voltage Lines To
100	208	--	H1 & H2
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4

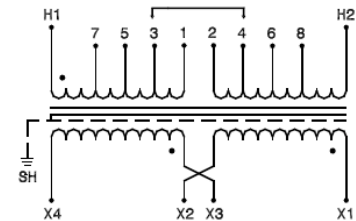


## Dia. 3 Catalog Series 61-16XXSH

Tap Arrangement: 2 - 2½ FCAN ( Full Capacity Above Normal)  
4 - 2½ FCBN ( Full Capacity Below Normal)

% High Voltage	High Voltage 240 X 480	Inter-Connect	Connect High Voltage Lines To
105	252	H1 To 2 H2 To 1	H1 & H2
100	240	H1 To 4 H2 To 3	
95	228	H1 To 6 H2 To 5	
90	216	H1 To 8 H2 To 7	
105	504	1 To 2	
102.5	492	2 To 3	
100	480	3 To 4	H1 & H2
97.5	468	4 To 5	
95	456	5 To 6	
92.5	444	6 To 7	
90	432	7 To 8	

% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4



## Dia. 6 Catalog Series 85-30XXSH

Tap Arrangement: None

% High Voltage	High Voltage 208	Inter-Connect	Connect High Voltage Lines To
100	208	--	H1 & H2
% Low Voltage	Low Voltage 120 / 240	Inter-Connect	Connect Low Voltage Lines To
100	120	X1 To X3 X2 To X4	X1X3 & X2X4
100	120 / 240	X2 To X3	X1 & X2X3 & X4
100	240	X2 To X3	X1 & X4

