



# MARCUS

Marcus Transformer LTD  
 Phone: 1-800-267-7376  
 Fax: 1-866-205-7526  
 Email: Info@marcustransformer.com

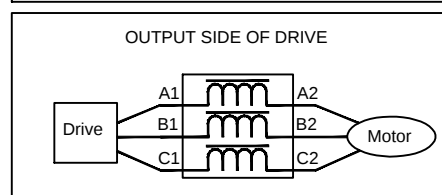
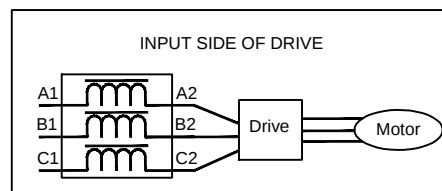
## TECHNICAL DATA

THREE PHASE LINE REACTOR

### DESCRIPTION

|                            |                |
|----------------------------|----------------|
| MODEL                      | MLR0250U45     |
| Type                       | MLR Open       |
| Current (Amps.)            | 250            |
| Voltage                    |                |
| Inductance<br>(Millihenry) | 0.045          |
| Losses (Watts)             | 86             |
| Temperature Rise           | 120°C          |
| Insulation Class           | H (180°C)      |
| Frequency                  | 60Hz           |
| Noise level                | less than 70DB |
| Winding                    | Copper         |
| Approvals                  | CSA            |

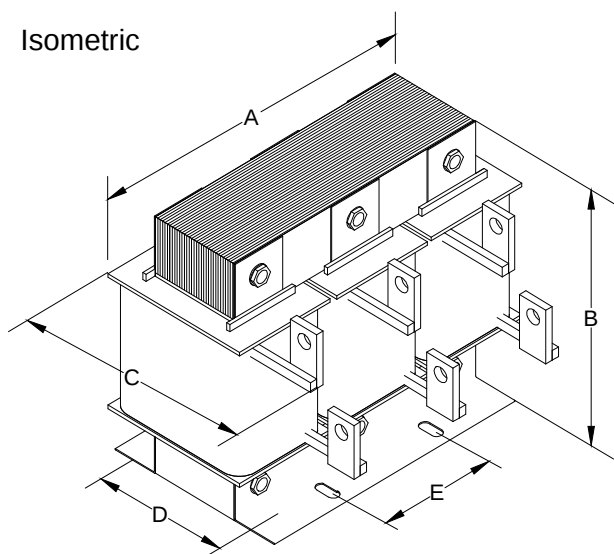
### CONNECTION DIAGRAM



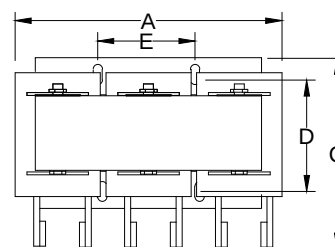
### DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D            | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|--------------|--------------|-------------------------------|-------------------------|
| 250   | 10.50<br>266.7 | 8.50<br>215.9 | 8.00<br>203.2 | 3.50<br>88.9 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 40<br>18.16             |

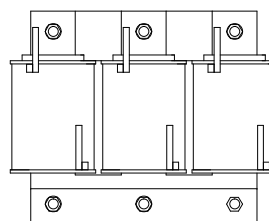
Isometric



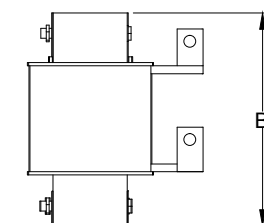
Top View



Front View



Side View



Notes:



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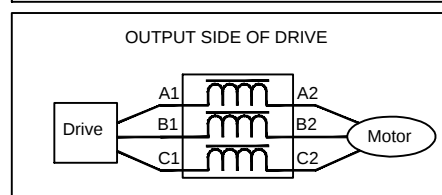
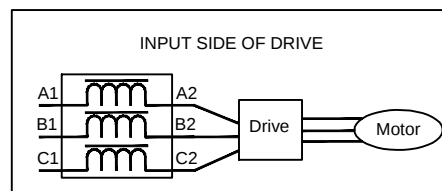
## TECHNICAL DATA

THREE PHASE LINE REACTOR

### DESCRIPTION

|                            |                |
|----------------------------|----------------|
| MODEL                      | MLR0250U90     |
| Type                       | MLR Open       |
| Current (Amps.)            | 250            |
| Voltage                    |                |
| Inductance<br>(Millihenry) | 0.090          |
| Losses (Watts)             | 128            |
| Temperature Rise           | 120°C          |
| Insulation Class           | H (180°C)      |
| Frequency                  | 60Hz           |
| Noise level                | less than 70DB |
| Winding                    | Copper         |
| Approvals                  | CSA            |

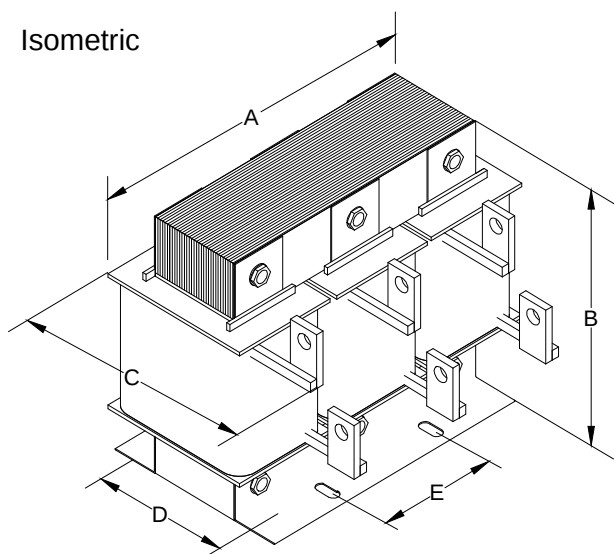
### CONNECTION DIAGRAM



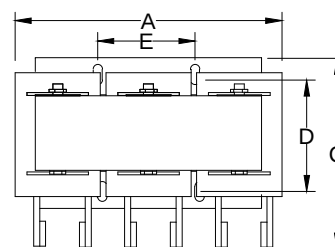
### DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D             | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------------|
| 250   | 10.50<br>266.7 | 8.50<br>215.9 | 8.00<br>203.2 | 4.50<br>114.3 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 62<br>28.15             |

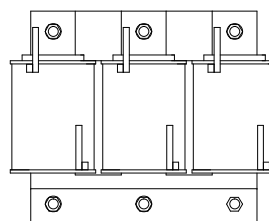
Isometric



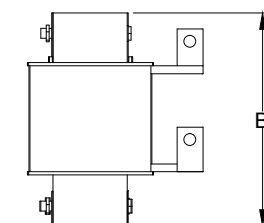
Top View



Front View



Side View



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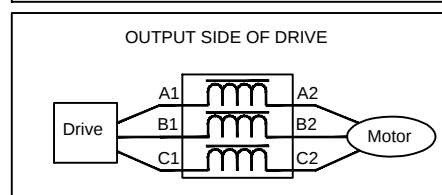
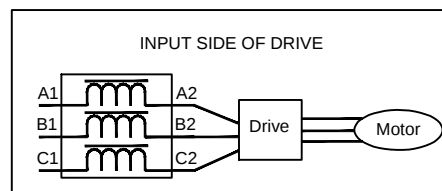
## TECHNICAL DATA

THREE PHASE LINE REACTOR

### DESCRIPTION

|                            |                |
|----------------------------|----------------|
| MODEL                      | MLR0130P20     |
| Type                       | MLR Open       |
| Current (Amps.)            | 130            |
| Voltage                    |                |
| Inductance<br>(Millihenry) | 0.20           |
| Losses (Watts)             | 110            |
| Temperature Rise           | 100°C          |
| Insulation Class           | F (155°C)      |
| Frequency                  | 60Hz           |
| Noise level                | less than 70DB |
| Winding                    | Copper         |
| Approvals                  | CSA            |

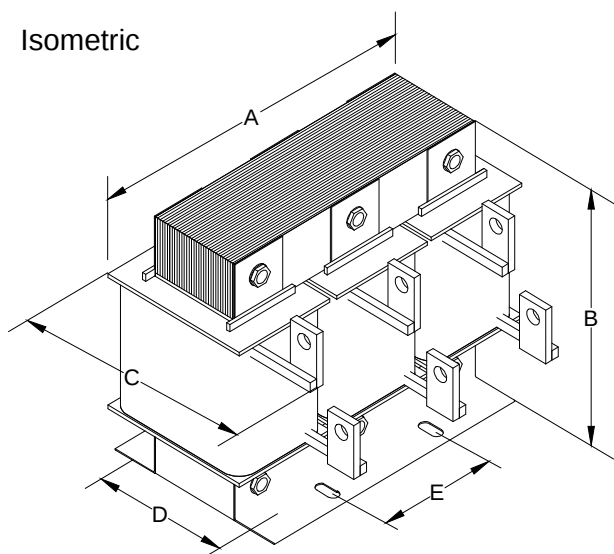
### CONNECTION DIAGRAM



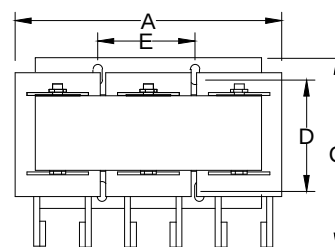
### DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D             | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------------|
| 130   | 10.50<br>266.7 | 8.50<br>215.9 | 8.00<br>203.2 | 4.50<br>114.3 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 45<br>20.43             |

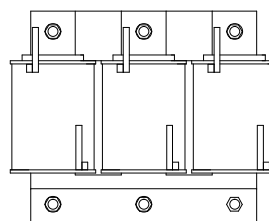
Isometric



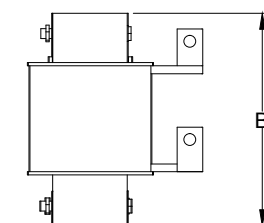
Top View



Front View



Side View



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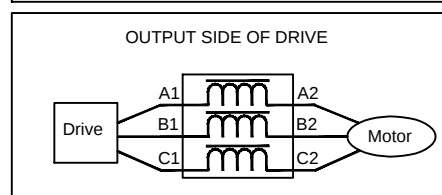
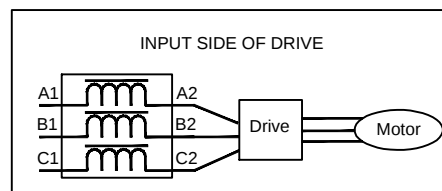
## TECHNICAL DATA

THREE PHASE LINE REACTOR

### DESCRIPTION

|                            |                |
|----------------------------|----------------|
| MODEL                      | MLR0130P30     |
| Type                       | MLR Open       |
| Current (Amps.)            | 130            |
| Voltage                    |                |
| Inductance<br>(Millihenry) | 0.30           |
| Losses (Watts)             | 130            |
| Temperature Rise           | 100°C          |
| Insulation Class           | F (155°C)      |
| Frequency                  | 60Hz           |
| Noise level                | less than 70DB |
| Winding                    | Copper         |
| Approvals                  | CSA            |

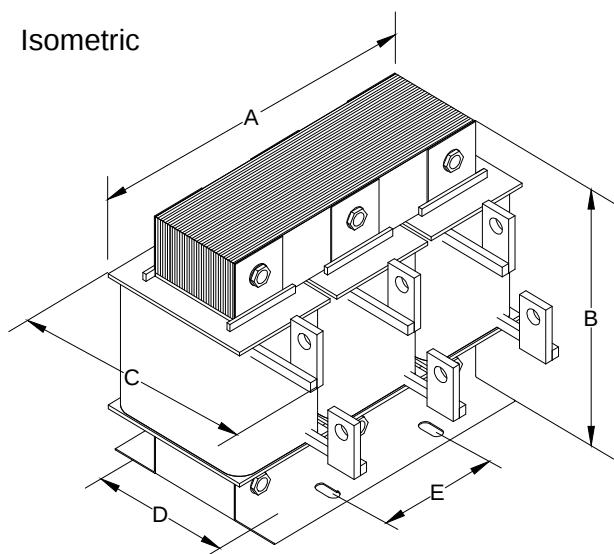
### CONNECTION DIAGRAM



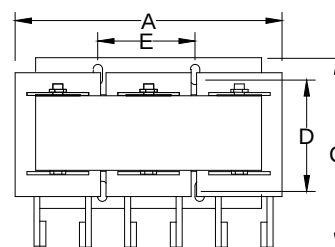
### DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D             | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------------|
| 130   | 10.50<br>266.7 | 8.50<br>215.9 | 8.00<br>203.2 | 4.50<br>114.3 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 55<br>24.98             |

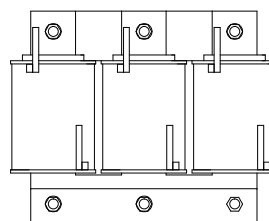
Isometric



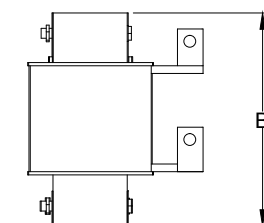
Top View



Front View



Side View



Notes:



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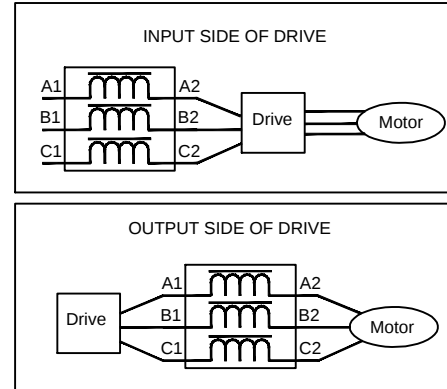
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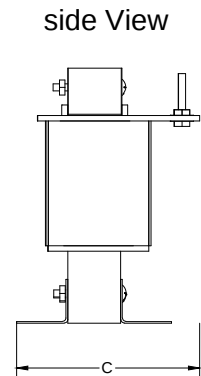
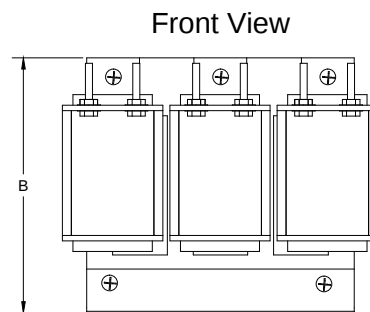
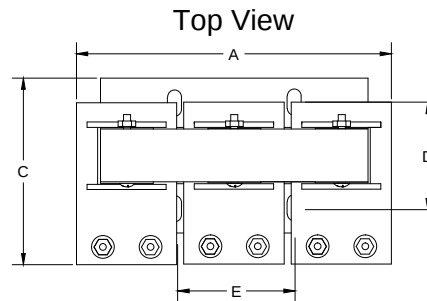
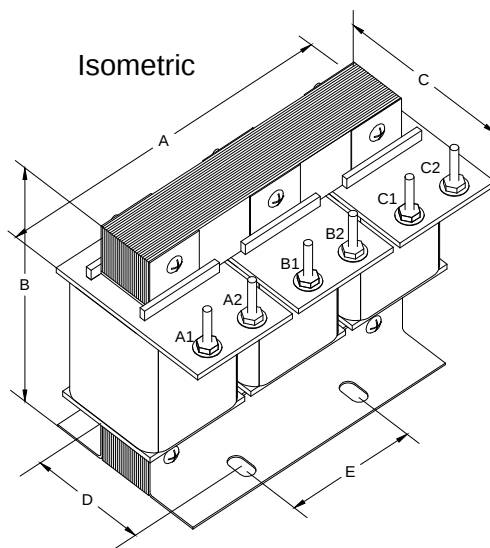
| DESCRIPTION                |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| MODEL                      | MLR0110P30                                                                                |
| Type                       | MLR Open                                                                                  |
| Current (Amps.)            | 110                                                                                       |
| Voltage                    |                                                                                           |
| Inductance<br>(Millihenry) | 0.30                                                                                      |
| Losses (Watts)             | 101                                                                                       |
| Temperature Rise           | 100°C                                                                                     |
| Insulation Class           | F (155°C)                                                                                 |
| Frequency                  | 60Hz                                                                                      |
| Noise level                | less than 60DB                                                                            |
| Winding                    | Copper                                                                                    |
| Approvals                  |  / CSA |

## CONNECTION DIAGRAM



## DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D            | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|--------------|--------------|-------------------------------|-------------------------|
| 110   | 10.80<br>274.3 | 8.23<br>209.0 | 5.30<br>134.6 | 3.30<br>83.8 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 46<br>20.88             |



Notes:



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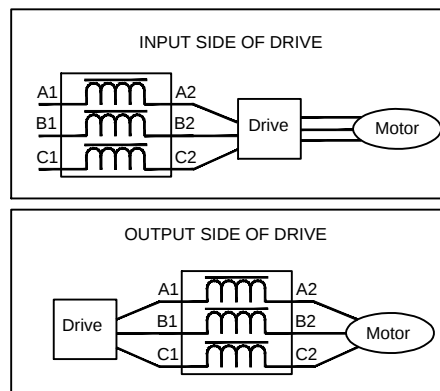
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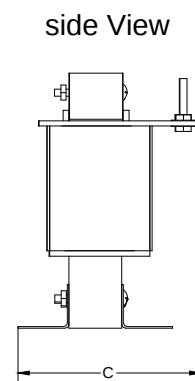
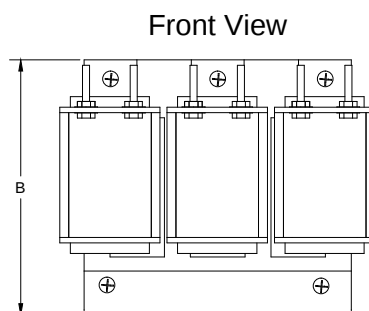
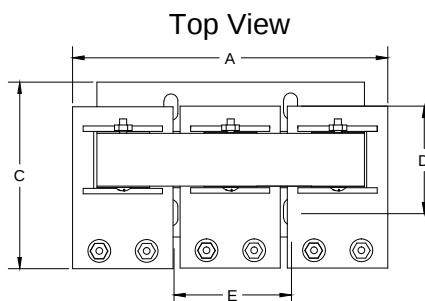
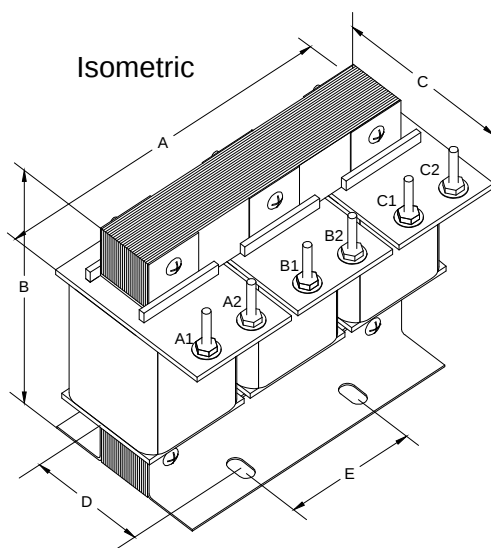
| DESCRIPTION                |                |
|----------------------------|----------------|
| MODEL                      | MLR0110P45     |
| Type                       | MLR Open       |
| Current (Amps.)            | 110            |
| Voltage                    |                |
| Inductance<br>(Millihenry) | 0.45           |
| Losses (Watts)             | 124            |
| Temperature Rise           | 100°C          |
| Insulation Class           | F (155°C)      |
| Frequency                  | 60Hz           |
| Noise level                | less than 60DB |
| Winding                    | Copper         |
| Approvals                  | / CSA          |

## CONNECTION DIAGRAM



## DIMENSIONS INCHES / MM

| Amps. | A              | B             | C             | D             | E            | MOUNTING HOLES<br>INCHES / MM | SHIP WEIGHT<br>LBS / KG |
|-------|----------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------------|
| 110   | 10.80<br>274.3 | 8.23<br>209.0 | 6.50<br>165.1 | 4.50<br>114.3 | 3.60<br>91.4 | 0.35 x 0.788<br>8.9 x 20.0    | 62<br>28.15             |



Notes: