

**Three-phase, 15-1500 kVA  
General Purpose Type QL  
150° Rise only**

| Item | Quantity | Model Number | kVA | Hertz | Voltage |           | Impedance (Z%) | Wiring Diagram | Taps |
|------|----------|--------------|-----|-------|---------|-----------|----------------|----------------|------|
|      |          |              |     |       | Primary | Secondary |                |                |      |
|      |          |              |     |       |         |           |                |                |      |
|      |          |              |     |       |         |           |                |                |      |
|      |          |              |     |       |         |           |                |                |      |
|      |          |              |     |       |         |           |                |                |      |

**DRAWINGS FOR:**

- ☐ Approval  
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**Notes:**

1. All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards.
2. Transformers are 150°C Rise and 220°C insulation system.
3. Transformers are dry type, Class AA, ventilated enclosure for indoor use. Optional weather kits are available for adapting the unit for outdoor protected use without voiding the UL label. (See reverse for listing.)
4. Transformers are floor mounted. Wall-mounting brackets are optional for ratings up to 75 kVA, and are supplied as separate accessories.
5. For lifting, other than with fork truck, remove top cover and use 1" diameter holes in top of core clamps.
6. Paint color is ANSI #61 gray.

**TAP ARRANGEMENTS**

- 3-(3) 5% taps; 1 above and 2 below rated primary voltage.  
6-(6) 2½ % taps; 2 above and 4 below rated primary voltage.

| kVA   | Applicable Model Numbers                          | Weathersheild Kit |              | Wall Mounting Bracket |               |
|-------|---------------------------------------------------|-------------------|--------------|-----------------------|---------------|
|       |                                                   | Quantity          | Model Number | Quantity              | Model Number  |
| 15    | 9T23B3801, 3811, 3851, 3871, 3881, 3891           |                   | 9T18Y4317G11 |                       | 9T18Y5049     |
| 30    | 9T23B3802, 3812, 3842 (1), 3852, 3872, 3882, 3892 |                   | 9T18Y4317G05 |                       | 9T18Y5042     |
| 45    | 9T23B3803, 3813, 3843 (1), 3853, 3873, 3883, 3893 |                   | 9T18Y4317G05 |                       | 9T18Y5042     |
| 50    | 9T23B3812, 3012, 3013, 3014, 3864                 |                   | 9T18Y4317G05 |                       | 9T18Y5042     |
| 75    | 9T23B3804, 3814, 3844 (1), 3854, 3874, 3884, 3894 |                   | 9T18Y4317G06 |                       | 9T18Y5043     |
| 112.5 | 9T23B3805, 3815, 3845 (1), 3855, 3875, 3885, 3895 |                   | 9T18Y4317G06 |                       | Not Available |
| 150   | 9T23B3806, 3816, 3846 (1), 3856, 3876, 3886, 3896 |                   | 9T18Y4317G07 |                       | Not Available |
| 225   | 9T23B3807, 3817, 3847 (1), 3857, 3877, 3887       |                   | 9T18Y4317G08 |                       | Not Available |
| 300   | 9T23B3808, 3818, 3848 (1), 3858, 3878, 3888       |                   | 9T18Y4317G09 |                       | Not Available |
| 400   | 9T23B3015, 3017, 3866                             |                   | 9T18Y4317G10 |                       | Not Available |
| 500   | 9T23B3809, 3819, 3849 (1), 3859, 3879, 3889       |                   | 9T18Y4317G10 |                       | Not Available |

(1) Diagram 27; not in GEP-1090



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| Item | Quantity | kVA | K factor | Temp. Rise °C | Hertz | Voltage |           | Impedance (Z%) | Wiring Diagram | Taps |
|------|----------|-----|----------|---------------|-------|---------|-----------|----------------|----------------|------|
|      |          |     |          |               |       | Primary | Secondary |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
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#### DRAWINGS FOR:

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#### Notes:

- All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards.
- These K Factor transformers utilize a UL recognized 220°C insulation system, capable of the indicated temperature rise.
- Transformers are dry type, Class AA, ventilated enclosure for indoor use. Optional weather kits are available for adapting the unit for outdoor protected use without voiding the UL label. Wall mounting brackets (set of 2) are available on some units. (See listing below.)
- For lifting, other than with fork truck, remove top cover and use 1" diameter holes in top of core clamps.
- Paint color is ANSI #61 gray.
- Full width copper electrostatic shield included.

| kVA   | K factor | Temp. Rise °C | Transformer Model Number | Weathershield Kit |              | Wall Mounting Bracket |              |
|-------|----------|---------------|--------------------------|-------------------|--------------|-----------------------|--------------|
|       |          |               |                          | Quantity          | Model Number | Quantity              | Model Number |
| 15    | 20       | 150           | 9T23Q3481G03             |                   | 9T18Y4317G11 |                       | 9T18Y5042    |
| 30    | 20       | 150           | 9T23Q3482G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 20       | 150           | 9T23Q3483G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 75    | 20       | 150           | 9T23Q3484G03             |                   | 9T18Y4317G06 |                       | ----         |
| 112.5 | 20       | 150           | 9T23Q3485G03             |                   | 9T18Y4317G07 |                       | ----         |
| 150   | 20       | 150           | 9T23Q3486G03             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 20       | 150           | 9T23Q3487G03             |                   | 9T18Y4317G09 |                       | ----         |
| 300   | 20       | 150           | 9T23B3488G03             |                   | 9T18Y4317G10 |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 20       | 115           | 9T23Q3481G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 20       | 115           | 9T23Q3482G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 20       | 115           | 9T23Q3483G13             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 20       | 115           | 9T23Q3485G13             |                   | 9T18Y4317G07 |                       | ----         |
| 112.5 | 20       | 115           | 9T23Q3486G13             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 20       | 115           | 9T23Q3487G13             |                   | 9T18Y4317G09 |                       | ----         |
| 225   | 20       | 115           | 9T23B3488G13             |                   | 9T18Y4317G10 |                       | ----         |
| 300   | 20       | 115           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 20       | 80            | 9T23Q3481G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 20       | 80            | 9T23Q3482G83             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 45    | 20       | 80            | 9T23Q3484G83             |                   | 9T18Y4317G06 |                       | ----         |
| 75    | 20       | 80            | 9T23Q3485G83             |                   | 9T18Y4317G07 |                       | ----         |
| 112.5 | 20       | 80            | 9T23Q3486G83             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 20       | 80            | 9T23Q3487G83             |                   | 9T18Y4317G09 |                       | ----         |



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General Electric Company  
41 Woodford Avenue, Plainville, CT 06062  
www.GEindustrial.com

| Item | Quantity | kVA | K factor | Temp. Rise °C | Hertz | Voltage |           | Impedance (Z%) | Wiring Diagram | Taps |
|------|----------|-----|----------|---------------|-------|---------|-----------|----------------|----------------|------|
|      |          |     |          |               |       | Primary | Secondary |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |

#### DRAWINGS FOR:

- ☐ Approval  
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#### Notes:

- All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards.
- These K Factor transformers utilize a UL recognized 220°C insulation system, capable of the indicated temperature rise.
- Transformers are dry type, Class AA, ventilated enclosure for indoor use. Optional weather kits are available for adapting the unit for outdoor protected use without voiding the UL label. Wall mounting brackets (set of 2) are available on some units. (See listing below.)
- For lifting, other than with fork truck, remove top cover and use 1" diameter holes in top of core clamps.
- Paint color is ANSI #61 gray.
- Full width copper electrostatic shield included.

| kVA   | K factor | Temp. Rise °C | Transformer Model Number | Weathershield Kit |              | Wall Mounting Bracket |              |
|-------|----------|---------------|--------------------------|-------------------|--------------|-----------------------|--------------|
|       |          |               |                          | Quantity          | Model Number | Quantity              | Model Number |
| 15    | 30       | 150           | 9T23Q3491G03             |                   | 9T18Y4317G11 |                       | 9T18Y5042    |
| 30    | 30       | 150           | 9T23Q3492G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 30       | 150           | 9T23Q3493G03             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 30       | 150           | 9T23Q3495G03             |                   | 9T18Y4317G06 |                       | ----         |
| 112.5 | 30       | 150           | 9T23Q3496G05             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 30       | 150           | 9T23Q3496G03             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 30       | 150           | 9T23B3498G03             |                   | 9T18Y4317G10 |                       | ----         |
| 300   | 30       | 150           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 30       | 115           | 9T23Q3491G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 30       | 115           | 9T23Q3492G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 30       | 115           | 9T23Q3493G13             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 30       | 115           | 9T23Q3495G13             |                   | 9T18Y4317G07 |                       | ----         |
| 112.5 | 30       | 115           | 9T23Q3496G13             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 30       | 115           | 9T23Q3497G13             |                   | 9T18Y4317G09 |                       | ----         |
| 225   | 30       | 115           | See GEM-3001C            |                   |              |                       | ----         |
| 300   | 30       | 115           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 30       | 80            | 9T23Q3491G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 30       | 80            | 9T23Q3492G83             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 45    | 30       | 80            | 9T23Q3494G83             |                   | 9T18Y4317G06 |                       | ----         |
| 75    | 30       | 80            | 9T23Q3496G83             |                   | 9T18Y4317G08 |                       | ----         |
| 112.5 | 30       | 80            | 9T23Q3497G83             |                   | 9T18Y4317G09 |                       | ----         |
| 150   | 30       | 80            | 9T23B3498G83             |                   | 9T18Y4317G10 |                       | ----         |
| 225   | 30       | 80            | See GEM-3001C            |                   |              |                       | ----         |



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|      | 300      | 4   | 80       | 2700          | 47.50 | 58.38   | 34.75     | 42.50          | 30.06          | 0.438 | 2.50 | 1.18 | 30.00 | 1.96 | 38.67 | 6.00 | 3.00 | 39.36 |  |
|------|----------|-----|----------|---------------|-------|---------|-----------|----------------|----------------|-------|------|------|-------|------|-------|------|------|-------|--|
| Item | Quantity | kVA | K factor | Temp. Rise °C | Hertz | Voltage |           | Impedance (Z%) | Wiring Diagram | Taps  |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       | Primary | Secondary |                |                |       |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       |         |           |                |                |       |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       |         |           |                |                |       |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       |         |           |                |                |       |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       |         |           |                |                |       |      |      |       |      |       |      |      |       |  |
|      |          |     |          |               |       |         |           |                |                |       |      |      |       |      |       |      |      |       |  |

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#### Notes:

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- These K Factor transformers utilize a UL recognized 220°C insulation system, capable of the indicated temperature rise.
- Transformers are dry type, Class AA, ventilated enclosure for indoor use. Optional weather kits are available for adapting the unit for outdoor protected use without voiding the UL label. Wall mounting brackets (set of 2) are available on some units. (See listing below.)
- For lifting, other than with fork truck, remove top cover and use 1" diameter holes in top of core clamps.
- Paint color is ANSI #61 gray.
- Full width copper electrostatic shield included.

| kVA   | K factor | Temp. Rise °C | Transformer Model Number | Weathershield Kit |              | Wall Mounting Bracket |              |
|-------|----------|---------------|--------------------------|-------------------|--------------|-----------------------|--------------|
|       |          |               |                          | Quantity          | Model Number | Quantity              | Model Number |
| 15    | 4        | 150           | 9T23Q3461G03             |                   | 9T18Y4317G11 |                       | 9T18Y5042    |
| 30    | 4        | 150           | 9T23Q3462G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 4        | 150           | 9T23Q3463G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 75    | 4        | 150           | 9T23Q3464G03             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 112.5 | 4        | 150           | 9T23Q3465G03             |                   | 9T18Y4317G07 |                       | ----         |
| 150   | 4        | 150           | 9T23Q3466G03             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 4        | 150           | 9T23Q3467G03             |                   | 9T18Y4317G09 |                       | ----         |
| 300   | 4        | 150           | 9T23B3468G03             |                   | 9T18Y4317G10 |                       | ----         |
| 500   | 4        | 150           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 4        | 115           | 9T23Q3462G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 4        | 115           | 9T23Q3463G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 4        | 115           | 9T23Q16634G13            |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 4        | 115           | 9T23Q3464G13             |                   | 9T18Y4317G06 |                       | ----         |
| 112.5 | 4        | 115           | 9T23Q3465G13             |                   | 9T18Y4317G07 |                       | ----         |
| 150   | 4        | 115           | 9T23Q3466G13             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 4        | 115           | 9T23Q3467G13             |                   | 9T18Y4317G09 |                       | ----         |
| 300   | 4        | 115           | 9T23B3468G13             |                   | 9T18Y4317G10 |                       | ----         |
| 500   | 4        | 115           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 4        | 80            | 9T23Q3462G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 4        | 80            | 9T23Q3463G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 4        | 80            | 9T23Q16634G83            |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 4        | 80            | 9T23Q3465G83             |                   | 9T18Y4317G07 |                       | ----         |
| 112.5 | 4        | 80            | 9T23Q3466G83             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 4        | 80            | 9T23Q3467G83             |                   | 9T18Y4317G09 |                       | ----         |
| 225   | 4        | 80            | 9T23Q3468G83             |                   | 9T18Y4317G10 |                       | ----         |



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|     |    |    |               |
|-----|----|----|---------------|
| 300 | 13 | 80 | See GEM-3001C |
|-----|----|----|---------------|

| Item | Quantity | kVA | K factor | Temp. Rise °C | Hertz | Voltage |           | Impedance (Z%) | Wiring Diagram | Taps |
|------|----------|-----|----------|---------------|-------|---------|-----------|----------------|----------------|------|
|      |          |     |          |               |       | Primary | Secondary |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |
|      |          |     |          |               |       |         |           |                |                |      |

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#### Notes:

- All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards.
- These K Factor transformers utilize a UL recognized 220°C insulation system, capable of the indicated temperature rise.
- Transformers are dry type, Class AA, ventilated enclosure for indoor use. Optional weather kits are available for adapting the unit for outdoor protected use without voiding the UL label. Wall mounting brackets (set of 2) are available on some units. (See listing below.)
- For lifting, other than with fork truck, remove top cover and use 1" diameter holes in top of core clamps.
- Paint color is ANSI #61 gray.
- Full width copper electrostatic shield included.

| kVA   | K factor | Temp. Rise °C | Transformer Model Number | Weathershield Kit |              | Wall Mounting Bracket |              |
|-------|----------|---------------|--------------------------|-------------------|--------------|-----------------------|--------------|
|       |          |               |                          | Quantity          | Model Number | Quantity              | Model Number |
| 15    | 13       | 150           | 9T23Q3471G03             |                   | 9T18Y4317G11 |                       | 9T18Y5042    |
| 30    | 13       | 150           | 9T23Q3472G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 13       | 150           | 9T23Q3473G03             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 75    | 13       | 150           | 9T23Q3474G03             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 112.5 | 13       | 150           | 9T23Q3475G03             |                   | 9T18Y4317G07 |                       | ----         |
| 150   | 13       | 150           | 9T23Q3476G03             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 13       | 150           | 9T23Q3477G03             |                   | 9T18Y4317G09 |                       | ----         |
| 300   | 13       | 150           | 9T23B3478G03             |                   | 9T18Y4317G10 |                       | ----         |
| 500   | 13       | 150           | See GEM-3001C            |                   |              |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 13       | 115           | 9T23Q3471G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 13       | 115           | 9T23Q3472G13             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 13       | 115           | 9T23Q3473G13             |                   | 9T18Y4317G06 |                       | 9T18Y5043    |
| 75    | 13       | 115           | 9T23Q3475G13             |                   | 9T18Y4317G06 |                       | ----         |
| 112.5 | 13       | 115           | 9T23Q3476G13             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 13       | 115           | 9T23Q3476G14             |                   | 9T18Y4317G08 |                       | ----         |
| 225   | 13       | 115           | 9T23Q3478G13             |                   | 9T18Y4317G10 |                       | ----         |
| 300   | 13       | 115           | 9T23B3479G13             |                   | 9T18Y4317G10 |                       | ----         |
|       |          |               |                          |                   |              |                       |              |
| 15    | 13       | 80            | 9T23Q3471G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 30    | 13       | 80            | 9T23Q3472G83             |                   | 9T18Y4317G05 |                       | 9T18Y5042    |
| 45    | 13       | 80            | 9T23Q3474G83             |                   | 9T18Y4317G06 |                       | ----         |
| 75    | 13       | 80            | 9T23Q3475G83             |                   | 9T18Y4317G07 |                       | ----         |
| 112.5 | 13       | 80            | 9T23Q3476G83             |                   | 9T18Y4317G08 |                       | ----         |
| 150   | 13       | 80            | 9T23Q3477G83             |                   | 9T18Y4317G09 |                       | ----         |
| 225   | 13       | 80            | 9T23B3479G84             |                   | 9T18Y4317G10 |                       | ----         |



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