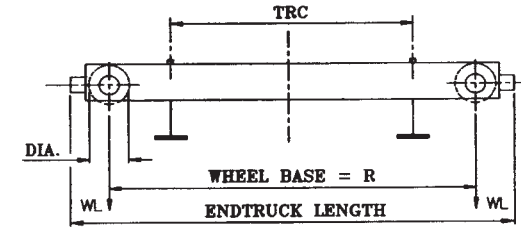
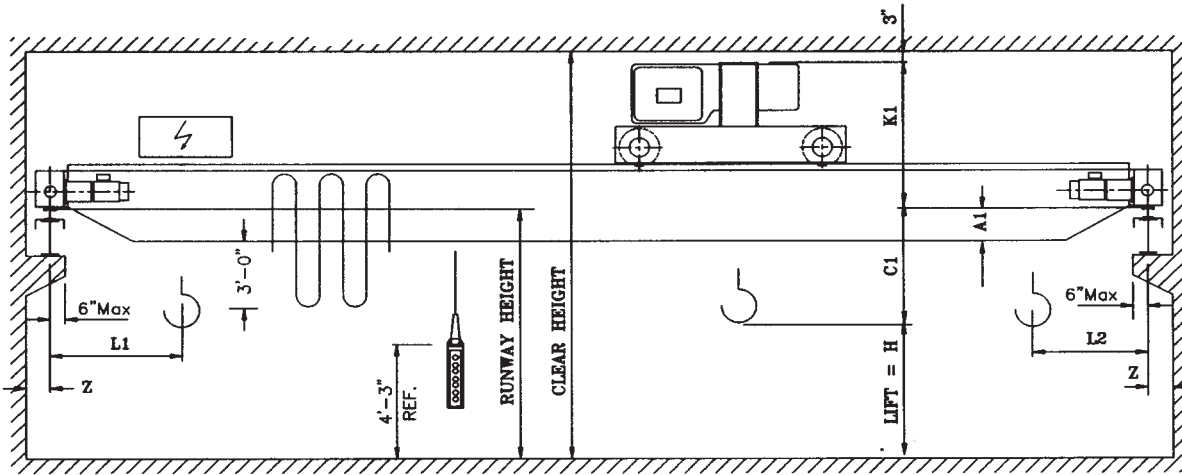


**ZLW**  
**Top Running**  
**Double Structural Girder**  
**Cranes**



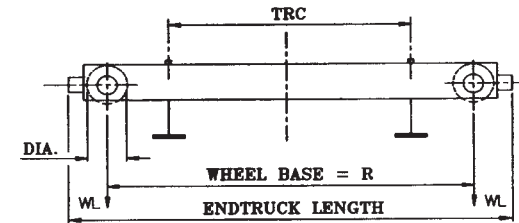
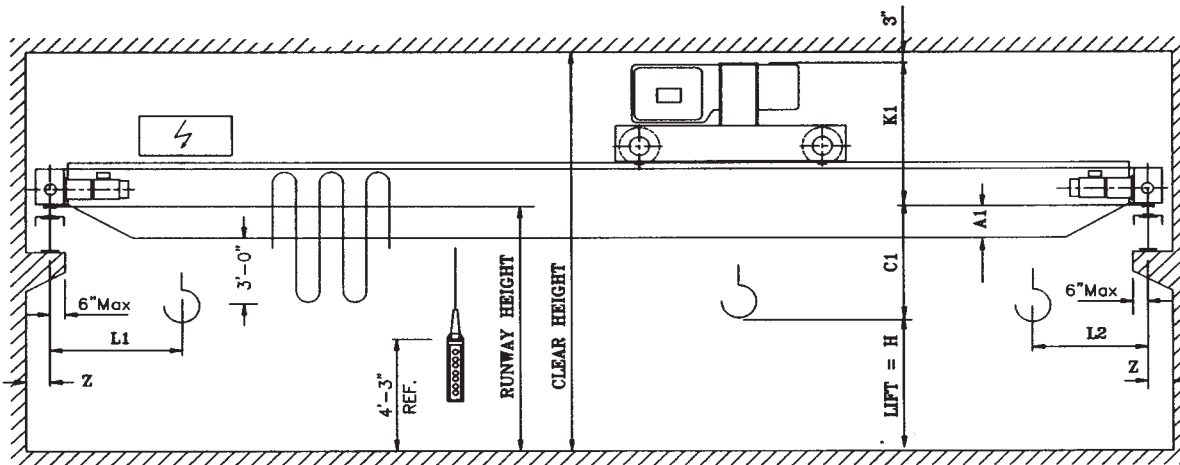
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW1

| Cap.<br>Tons | Hoist                |                   |             | Trolley  |                 |            | Endtruck |         |                 |             | Bridge    |           |           |           |           |          |         | Wheel<br>Load<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|----------------------|-------------------|-------------|--|-----------------|------------|----------|---------|-----------------|-------------|-----------|-----------|-----------|-----------|-----------|----------|---------|-----------------------|----------------------------|
|              | Type                 | Speed             | Lift<br>Ft. | Type   | HP per<br>Motor | TRC<br>In. | Wheel    |         | HP per<br>Motor | Span<br>Ft. | L1<br>In. | L2<br>In. | C1<br>In. | A1<br>In. | K1<br>In. | Z<br>In. |         |                       |                            |
|              | Reeving              | FPM               |             | 80 FPM   | Dia.            |            | Base     | Length  |                 |             |           |           |           |           |           |          | 120 FPM |                       |                            |
| Rope Dia.    | HP                   | VFD               | Weight      | VFD  | In.             | In.        | Ft.-In.  | Ft.-In. | VFD             | In.         | In.       | In.       | In.       | In.       | In.       |          |         |                       |                            |
| 5            | 1050<br>4/1<br>0.375 | 16/2.6<br>7.2/1.2 | 20<br>33    | EM1050L6<br>161.41.060<br>1000<br>EM1050L6<br>161.41.100<br>1100 | 2 x 0.5         | 78.75      | 5        | 8'-10"  | 10'-0"          | 2x0.75      | 24        | 32        | 32        | -3        | 4         | 31       | 6       | 6189                  | 6123                       |
|              |                      |                   |             |  |                 |            |          |         |                 |             | 28        |           |           |           |           |          |         | 6406                  | 6637                       |
|              |                      |                   |             |  |                 |            |          |         |                 |             | 32        |           |           |           |           |          |         | 6739                  | 7705                       |
|              |                      |                   |             |  |                 |            |          |         |                 |             | 36        |           |           |           |           |          |         | 7065                  | 8805                       |
|              |                      |                   |             |  |                 |            |          |         |                 |             | 40        |           |           |           |           |          |         | 7688                  | 11130                      |
|              |                      |                   |             |  |                 |            |          |         |                 |             | 44        |           |           |           |           |          |         | 8191                  | 13008                      |
|              | 6                    | 9'-6"             | 10'-9"      | 2x1.00   | 48              | 8677       | 14842    |         |                 |             |           |           |           |           |           |          |         |                       |                            |
|              |                      |                   |             |  | 52              | 9089       | 16396    |         |                 |             |           |           |           |           |           |          |         |                       |                            |
|              |                      |                   |             |  | 56              | 9700       | 18756    |         |                 |             |           |           |           |           |           |          |         |                       |                            |
|              |                      |                   |             |  | 60              | 10299      | 21084    |         |                 |             |           |           |           |           |           |          |         |                       |                            |

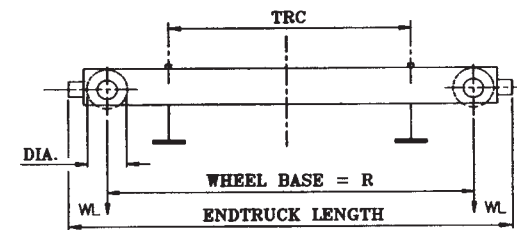
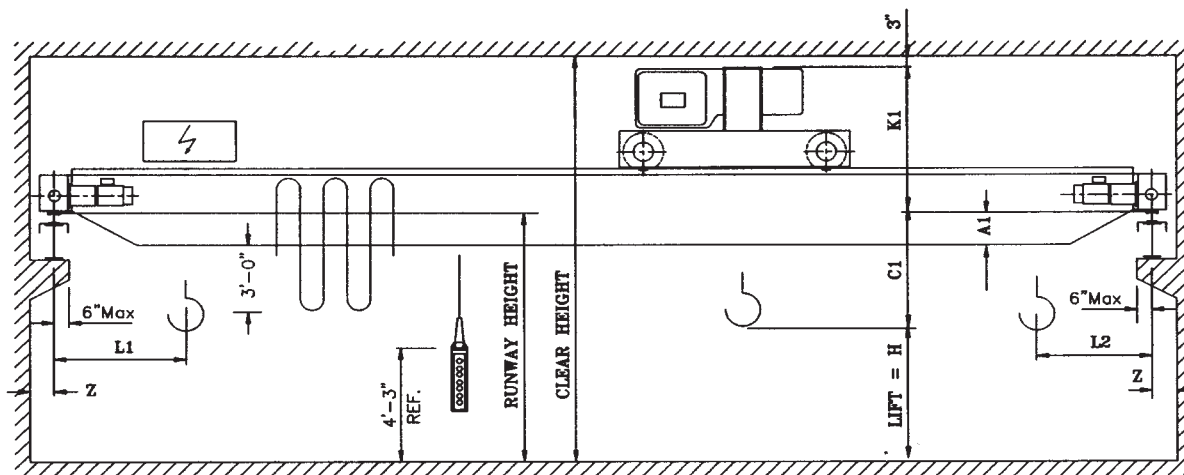


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW2

| Cap.<br>Tons | Hoist              |                                | Trolley |                                |         |       | Endtruck |                            |        |        | Bridge |     |     |     |       |       |      | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|--------------------|--------------------------------|---------|--------------------------------|---------|-------|----------|----------------------------|--------|--------|--------|-----|-----|-----|-------|-------|------|------------------------------|----------------------------|
|              | Type               | Speed                          | Type    | HP per<br>Motor<br>80 FPM      | TRC     | Wheel |          | HP per<br>Motor<br>120 FPM | Span   | L1     | L2     | C1  | A1  | K1  | Z     |       |      |                              |                            |
|              | Reeving            | FPM                            |         |                                |         | Lift  | 80 FPM   |                            |        |        |        |     |     |     |       | TRC   | Dia. |                              |                            |
| Rope Dia.    | HP                 | Ft.                            | Weight  | VFD                            | In.     | In.   | Ft.-In.  | Ft.-In.                    | VFD    | Ft.    | In.    | In. | In. | In. | In.   | In.   |      |                              |                            |
| 7.5          | 2063<br>4/1<br>0.4 | 18/3<br>8.0/1.34               | 20      | EM2063L6<br>181.41.060<br>1400 | 2 x 0.5 | 78.75 | 6        | 9'-6"                      | 10'-1" | 2x1.00 | 24     | 34  | 34  | -4  | 4     | 33    | 7    | 8686                         | 7139                       |
|              |                    |                                |         |                                |         |       |          |                            |        |        | 28     | 34  | 34  | -4  | 6     | 33    |      | 9071                         | 8124                       |
|              |                    |                                |         |                                |         |       |          |                            |        |        | 32     | 34  | 34  | -4  | 8     | 33    |      | 9493                         | 9395                       |
|              |                    |                                |         |                                |         |       |          |                            |        |        | 36     | 34  | 34  | -4  | 8     | 33    |      | 9956                         | 10921                      |
|              |                    |                                |         |                                |         |       |          |                            |        |        | 40     | 34  | 34  | -4  | 8     | 33    |      | 10466                        | 12701                      |
|              |                    |                                |         |                                |         |       |          |                            |        |        | 44     | 34  | 34  | -4  | 11    | 33    |      | 11079                        | 14941                      |
|              | 33                 | EM2063L6<br>181.41.100<br>1500 | 2 x 0.5 | 78.75                          | 8       | 9'-6" | 10'-11"  | 2x1.5                      | 48     | 34     | 34     | -4  | 11  | 33  | 11907 | 18075 |      |                              |                            |
|              |                    |                                |         |                                |         |       |          |                            | 52     | 35     | 35     | -6  | 14  | 35  | 12232 | 19278 |      |                              |                            |
|              |                    |                                |         |                                |         |       |          |                            | 56     | 35     | 35     | -6  | 14  | 35  | 13032 | 22347 |      |                              |                            |
|              |                    |                                |         |                                |         |       |          |                            | 60     | 35     | 35     | -6  | 14  | 35  | 13395 | 23683 |      |                              |                            |

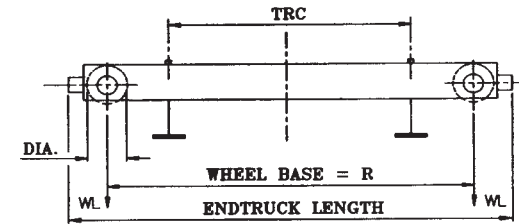
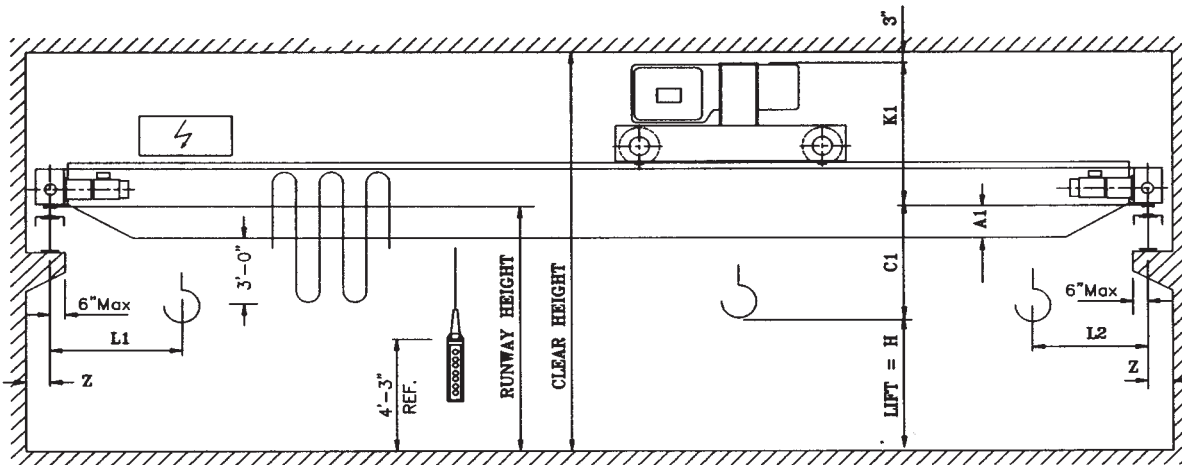


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW3

| Cap.<br>Tons | Hoist               |                      |        | Trolley                        |              |       | Endtruck |         |        |              | Bridge |     |     |       |       |     |   | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|---------------------|----------------------|--------|--------------------------------|--------------|-------|----------|---------|--------|--------------|--------|-----|-----|-------|-------|-----|---|------------------------------|----------------------------|
|              | Type                | Speed                | Lift   | Type                           | HP per Motor | TRC   | Wheel    |         | Length | HP per Motor | Span   | L1  | L2  | C1    | A1    | K1  | Z |                              |                            |
|              | Reeving             | FPM                  | Ft.    | Type                           | 80 FPM       |       | Dia.     | Base    |        | 120 FPM      |        |     |     |       |       |     |   |                              |                            |
| Rope Dia.    | HP                  |                      | Weight | VFD                            | In.          | In.   | Ft.-In.  | Ft.-In. | VFD    | Ft.          | In.    | In. | In. | In.   | In.   | In. |   |                              |                            |
| 10           | 3100<br>4/1<br>0.50 | 16/2.6<br><br>12.4/2 | 20     | EM3100L6<br>162.41.060<br>2150 | 2 x 0.5      | 78.75 | 6        | 8'-10"  | 10'-1" | 2x1.00       | 24     | 38  | 38  | -2    | 6     | 36  | 7 | 11261                        | 8703                       |
|              |                     |                      |        |                                |              |       |          |         |        |              | 28     |     |     | -2    | 8     | 36  |   | 11768                        | 9895                       |
|              |                     |                      |        |                                |              |       |          |         |        |              | 32     |     |     | -2    | 8     | 36  |   | 12285                        | 11332                      |
|              |                     |                      |        |                                |              |       |          |         |        |              | 36     |     |     | -2    | 8     | 36  |   | 12904                        | 13320                      |
|              |                     |                      |        |                                |              |       |          |         |        |              | 40     |     |     | -4    | 8     | 38  |   | 13455                        | 15133                      |
|              |                     |                      |        |                                |              |       |          |         |        |              | 44     |     |     | -4    | 8     | 38  |   | 14053                        | 17208                      |
|              | 0.50                | 12.4/2               | 33     | EM3100L6<br>162.41.100<br>2200 | 2 x 0.5      | 78.75 | 8        | 8'-10"  | 10'-5" | 2x1.50       | 48     | 38  | 38  | -4    | 11    | 38  | 7 | 14641                        | 19295                      |
|              |                     |                      |        |                                |              |       |          |         |        |              | 52     |     |     | -6    | 11    | 38  |   | 15432                        | 22231                      |
|              |                     |                      |        |                                |              |       |          |         |        |              | 56     |     |     | -6    | 14    | 38  |   | 16258                        | 25342                      |
|              |                     |                      |        |                                |              |       |          | 60      | -6     | 14           | 38     |     |     | 17196 | 28926 |     |   |                              |                            |

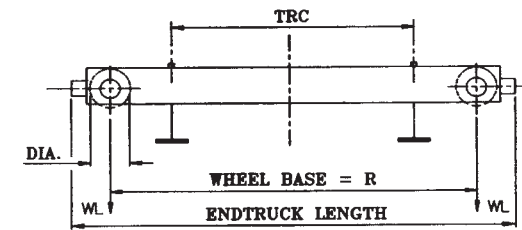
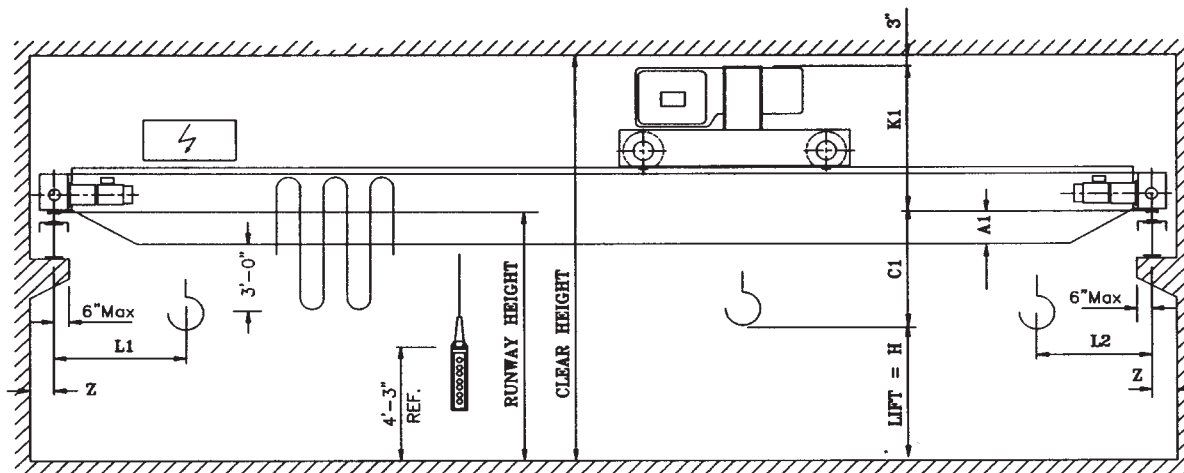


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW4

| Cap.<br>Tons | Hoist              |                    | Trolley         |  |          |        | Endtruck |                 |        |        | Bridge |     |     |     |     |       |        | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|--------------------|--------------------|-----------------|--|----------|--------|----------|-----------------|--------|--------|--------|-----|-----|-----|-----|-------|--------|------------------------------|----------------------------|
|              | Type               | Speed              | HP per<br>Motor | Type   | TRC      | Wheel  |          | HP per<br>Motor | Span   | L1     | L2     | C1  | A1  | K1  | Z   |       |        |                              |                            |
|              | Reeving            | FPM                |                 |  |          | 80 FPM | Dia.     |                 |        |        |        |     |     |     |     | Base  | Length |                              |                            |
| Rope Dia.    | HP                 | Ft.                | Weight          | VFD  | In.*     | In.    | Ft.-In.  | Ft.-In.         | VFD    | Ft.    | In.    | In. | In. | In. | In. | Lbs.  | Lbs.   |                              |                            |
| 15           | 3136<br>4/1<br>0.5 | 16/2.6<br>16.0/2.5 | 20<br>33        | EM 3136L6<br>161.41.060<br>2250<br>EM 3136L6<br>161.41.100<br>2300 | 2 x 0.75 | 78.75  | 8        | 8'-10"          | 10'-5" | 2x1.50 | 24     | 38  | 38  | 1   | 6   | 43    | 7      | 16326                        | 11416                      |
|              |                    |                    |                 |  |          |        |          |                 | 28     |        | 1      |     |     | 6   | 43  | 17138 |        | 13443                        |                            |
|              |                    |                    |                 |  |          |        |          |                 | 32     |        | 1      |     |     | 8   | 43  | 17837 |        | 15319                        |                            |
|              |                    |                    |                 |  |          |        |          |                 | 36     |        | 1      |     |     | 8   | 43  | 18105 |        | 15679                        |                            |
|              |                    |                    |                 |  |          |        |          |                 | 40     |        | 1      |     |     | 10  | 43  | 18597 |        | 17075                        |                            |
|              |                    |                    |                 |  |          |        |          |                 | 44     |        | -2     |     |     | 10  | 46  | 19237 |        | 19169                        |                            |
|              | 10                 | 9'-6"              | 11'-2"          | 2x2.00   | 44       | 8      | 20013    | 21885           |        |        |        |     |     |     |     |       |        |                              |                            |
|              |                    |                    |                 |  | 48       |        | -2       | 10              | 46     | 21201  | 26305  |     |     |     |     |       |        |                              |                            |
|              |                    |                    |                 |  | 52       |        | -2       | 10              | 46     | 22103  | 29632  |     |     |     |     |       |        |                              |                            |
|              |                    |                    |                 |  | 56       |        | -2       | 12              | 46     | 22996  | 32959  |     |     |     |     |       |        |                              |                            |
|              |                    |                    |                 |  | 60       |        | -2       | 15              | 46     |        |        |     |     |     |     |       |        |                              |                            |
|              |                    |                    |                 |  |          |        |          |                 |        |        |        |     |     |     |     |       |        |                              |                            |



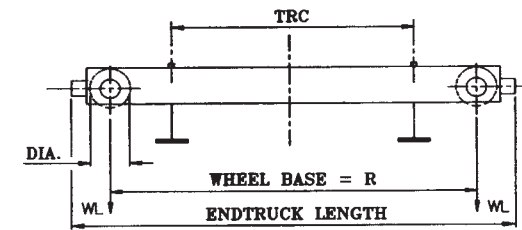
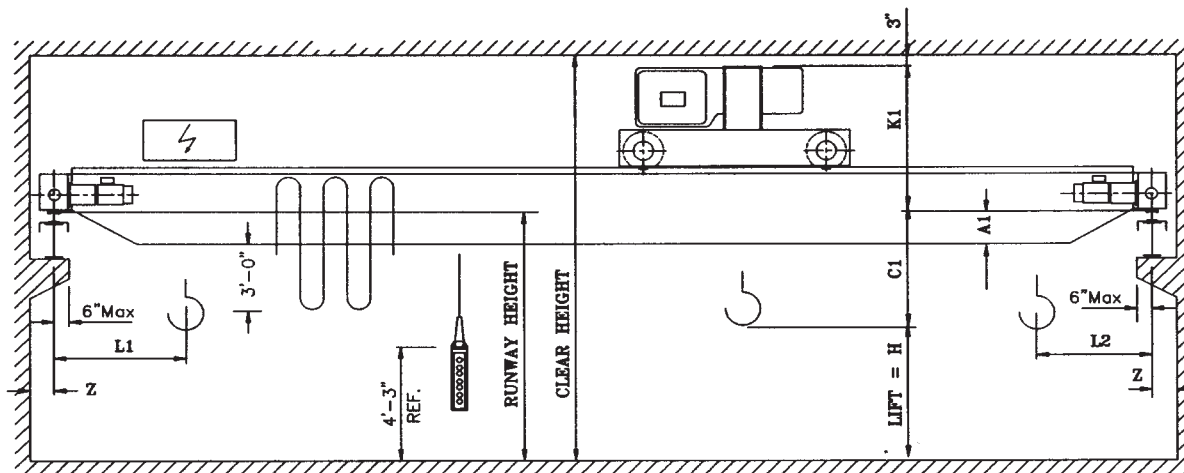
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW4A

| Cap.<br>Tons | Hoist              |                    |        | Trolley                         |                 |       | Endtruck |        |         |                 | Bridge |     |     |     |     |     |       | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|--------------------|--------------------|--------|---------------------------------|-----------------|-------|----------|--------|---------|-----------------|--------|-----|-----|-----|-----|-----|-------|------------------------------|----------------------------|
|              | Type               | Speed              | Lift   | Type                            | HP per<br>Motor | TRC   | Wheel    |        | Length  | HP per<br>Motor | Span   | L1  | L2  | C1  | A1  | K1  | Z     |                              |                            |
|              | Reeving            | FPM                | Ft.    | Type                            | 80 FPM          |       | Dia.     | Base   |         |                 |        |     |     |     |     |     |       |                              |                            |
| Rope Dia.    | HP                 |                    | Weight | VFD                             | In.*            | In.   | Ft.-In.  | VFD    | Ft.     | In.             | In.    | In. | In. | In. | In. | In. |       |                              |                            |
| 15           | 5060<br>4/1<br>0.6 | 16/2.6<br>16.0/2.5 | 50     | EM 3160L6<br>162.41.150<br>3300 | 2 x 0.75        | 98.5  | 8        | 12'-6" | 13'-11" | 2x1.5           | 24     | 38  | 38  | 1   | 6   | 43  | 7     | 16482                        | 11416                      |
|              |                    |                    |        |                                 |                 |       |          |        |         |                 | 28     |     |     | 1   | 6   | 43  |       | 17303                        | 13443                      |
|              |                    |                    |        |                                 |                 |       |          |        |         |                 | 32     |     |     | 1   | 8   | 43  |       | 18007                        | 15319                      |
|              |                    |                    |        |                                 |                 |       |          |        |         |                 | 36     |     |     | 1   | 8   | 43  |       | 18280                        | 15679                      |
|              |                    |                    |        |                                 |                 |       |          |        |         |                 | 40     |     |     | 1   | 10  | 43  |       | 18776                        | 17075                      |
|              |                    |                    |        |                                 |                 |       |          |        |         |                 | 44     |     |     | -2  | 10  | 46  |       | 19419                        | 19169                      |
|              | 10                 | 14'-2"             | 2x2.0  | 14'-2"                          | 2x2.0           | 2x2.0 | 14'-2"   | 14'-2" | 2x2.0   | 48              | 8      | 8   | 8   | -2  | 10  | 46  | 20198 | 21885                        |                            |
|              |                    |                    |        |                                 |                 |       |          |        |         | 52              |        |     |     | -2  | 10  | 46  | 21387 | 26305                        |                            |
|              |                    |                    |        |                                 |                 |       |          |        |         | 56              |        |     |     | -2  | 12  | 46  | 22291 | 29632                        |                            |
|              |                    |                    |        |                                 |                 |       |          |        |         | 60              |        |     |     | -2  | 15  | 46  | 23186 | 32959                        |                            |



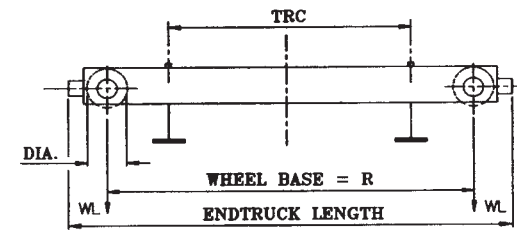
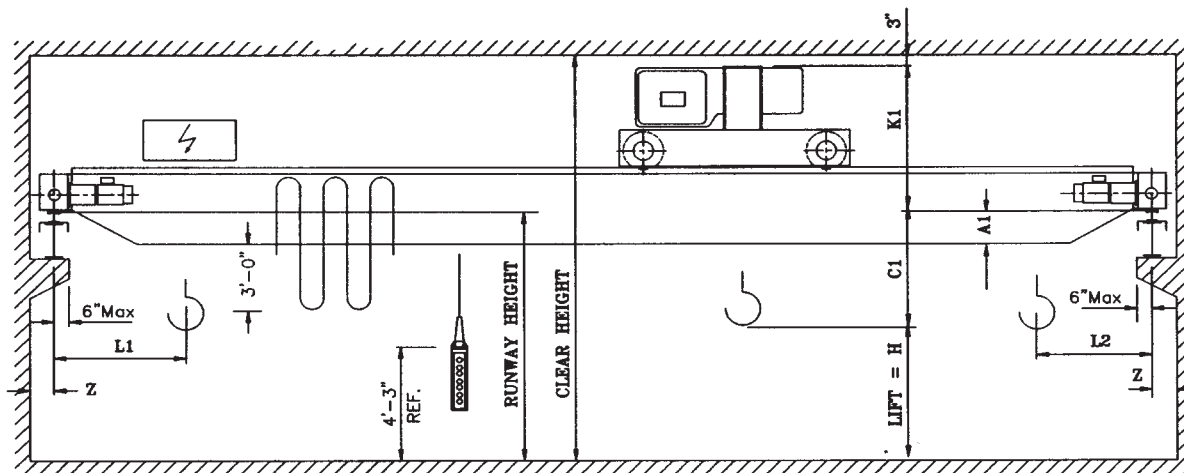
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW5

| Cap.<br>Tons | Hoist              |                      |          | Trolley  |                 |       | Endtruck |         |                 |        | Bridge |     |     |     |  |     |        | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|--------------------|----------------------|----------|--|-----------------|-------|----------|---------|-----------------|--------|--------|-----|-----|-----|--|-----|--------|------------------------------|----------------------------|
|              | Type               | Speed                | Lift     | Type   | HP per<br>Motor | TRC   | Wheel    |         | HP per<br>Motor | Span   | L1     | L2  | C1  | A1  | K1   | Z   |        |                              |                            |
|              | Reeving            | FPM                  |          |  | 80 FPM          |       | Dia.     | Base    |                 |        |        |     |     |     |  |     | Length |                              |                            |
| Rope Dia.    | HP                 | Ft.                  | Weight   | VFD  | In.*            | In.   | Ft.-In.  | Ft.-In. | VFD             | Ft.    | In.    | In. | In. | In. | In.  | In. |        |                              |                            |
| 20           | 3188<br>6/1<br>0.5 | 10.5/1.6<br>15.5/2.6 | 13<br>22 | EM 3188L6<br>101.61.040<br>2550<br>EM 3188L6<br>101.61.060<br>2728 | 2 x 0.5         | 78.75 | 10       | 8'-10"  | 10'-6"          | 2x2.00 | 24     | 38  | 38  | -3  | 4<br>6<br>6<br>6<br>10<br>10<br>12<br>12<br>14<br>16 | 47  | 8      | 21247                        | 13304                      |
|              |                    |                      |          |  |                 |       |          |         |                 |        | 28     |     |     |     |  |     |        | 22094                        | 15070                      |
|              |                    |                      |          |  |                 |       |          |         |                 |        | 32     |     |     |     |  |     |        | 22728                        | 16390                      |
|              |                    |                      |          |  |                 |       |          |         |                 |        | 36     |     |     |     |  |     |        | 23447                        | 18318                      |
|              |                    |                      |          |  |                 |       |          |         |                 |        | 40     |     |     |     |  |     |        | 24255                        | 20794                      |
|              |                    |                      |          |  |                 |       |          |         |                 |        | 44     |     |     |     |  |     |        | 25135                        | 23694                      |
|              | 48                 | 26017                | 26707    |  |                 |       |          |         |                 |        |        |     |     |     |  |     |        |                              |                            |
|              | 52                 | 27011                | 30243    |  |                 |       |          |         |                 |        |        |     |     |     |  |     |        |                              |                            |
|              | 56                 | 28254                | 34841    |  |                 |       |          |         |                 |        |        |     |     |     |  |     |        |                              |                            |
|              | 60                 | 28826                | 36807    |  |                 |       |          |         |                 |        |        |     |     |     |  |     |        |                              |                            |



Notes:

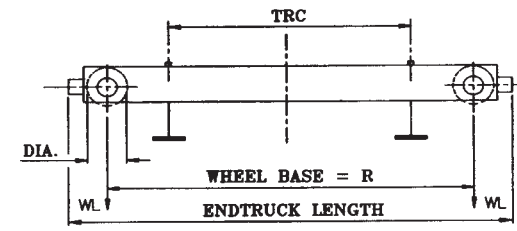
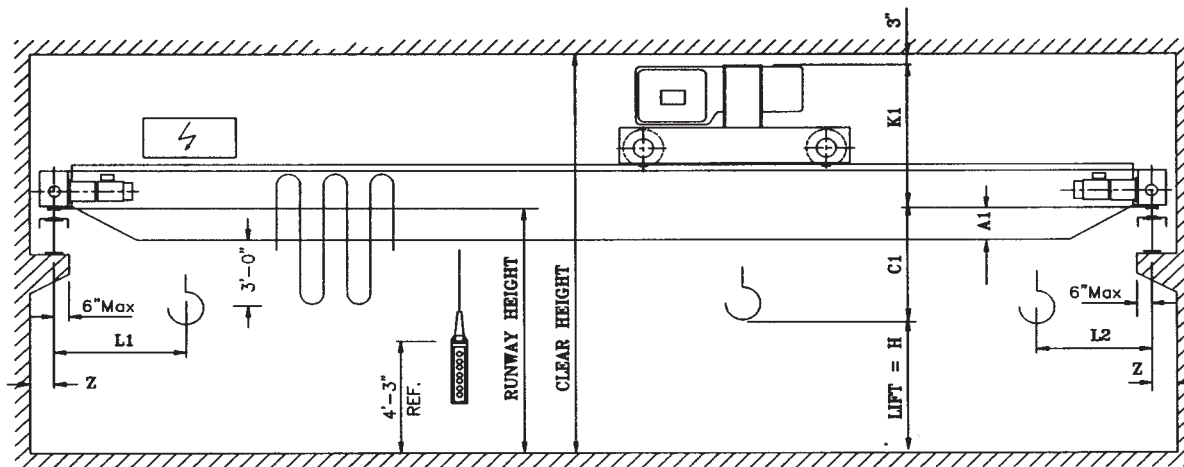
1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW5A

| Cap.<br>Tons | Hoist              |                          |        | Trolley                         |                                  |         | Endtruck |        |        |                                   | Bridge |     |     |     |     |     |   | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|--------------------|--------------------------|--------|---------------------------------|----------------------------------|---------|----------|--------|--------|-----------------------------------|--------|-----|-----|-----|-----|-----|---|------------------------------|----------------------------|
|              | Type               | Speed                    | Lift   | Type                            | HP per<br>Motor<br>80 FPM<br>VFD | TRC     | Wheel    |        | Length | HP per<br>Motor<br>120 FPM<br>VFD | Span   | L1  | L2  | C1  | A1  | K1  | Z |                              |                            |
|              | Reeving            | FPM                      |        |                                 |                                  |         | Dia.     | Base   |        |                                   |        |     |     |     |     |     |   |                              |                            |
| Rope Dia.    | HP                 | Ft.                      | Weight | In.*                            | In.                              | Ft.-In. | Ft.-In.  | VFD    | Ft.    | In.                               | In.    | In. | In. | In. | In. | In. |   |                              |                            |
| 20           | 3188<br>6/1<br>0.5 | 10.5/1.6<br><br>15.5/2.6 | 33     | EM 3188L6<br>101.61.100<br>3042 | 2 x 0.5                          | 98.5    | 10       | 12'-6" | 14'-2" | 2x2.00                            | 24     | 38  | 38  | -3  | 4   | 47  | 8 | 21247                        | 13304                      |
|              |                    |                          |        |                                 |                                  |         |          |        |        |                                   | 28     |     |     |     | 6   |     |   | 22094                        | 15070                      |
|              |                    |                          |        |                                 |                                  |         |          |        |        |                                   | 32     |     |     |     | 6   |     |   | 22728                        | 16390                      |
|              | 36                 | 6                        |        | 23447                           |                                  |         |          |        |        |                                   | 18318  |     |     |     |     |     |   |                              |                            |
|              | 40                 | 10                       |        | 24255                           |                                  |         |          |        |        |                                   | 20794  |     |     |     |     |     |   |                              |                            |
|              | 44                 | 10                       |        | 25135                           |                                  |         |          |        |        |                                   | 23694  |     |     |     |     |     |   |                              |                            |
|              | 48                 | 12                       |        | 26017                           |                                  |         |          |        |        |                                   | 26707  |     |     |     |     |     |   |                              |                            |
|              | 52                 | 12                       |        | 27011                           |                                  |         |          |        |        |                                   | 30243  |     |     |     |     |     |   |                              |                            |
|              | 56                 | 14                       |        | 28254                           |                                  |         |          |        |        |                                   | 34841  |     |     |     |     |     |   |                              |                            |
|              | 60                 | 16                       |        | 28826                           |                                  |         |          |        |        |                                   | 36807  |     |     |     |     |     |   |                              |                            |

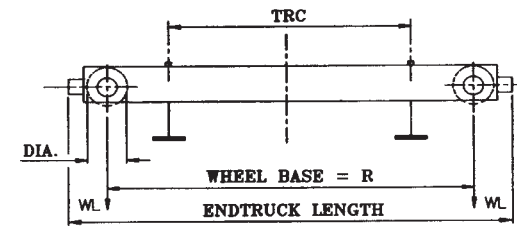
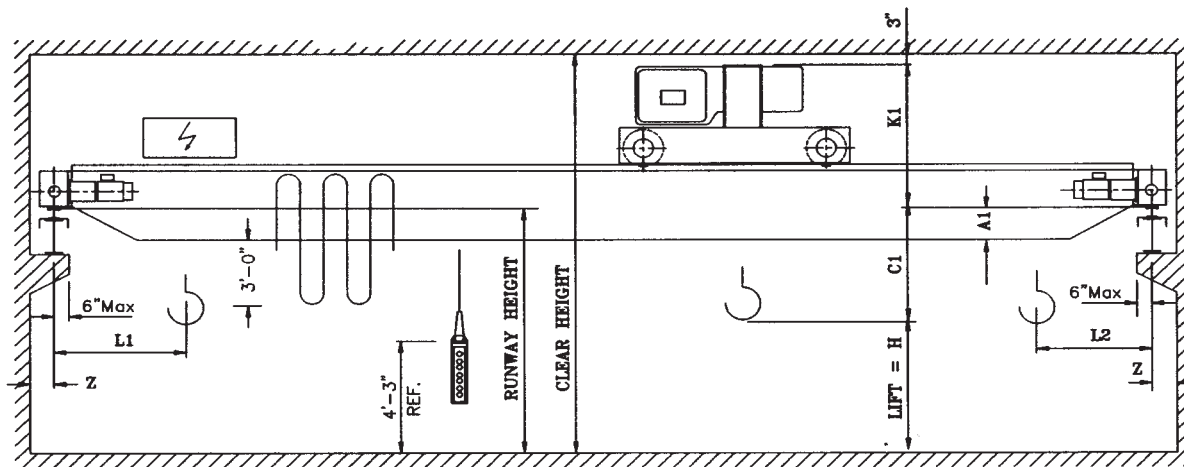




Notes:  
 1. Runway electrification is standard on left side.  
 2. Wheel loads do not include impact.  
 3. Shipping weights include hoist and trolley.  
 WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW6

| Cap.<br>Tons | Hoist                |                  | Trolley  |                                 | Endtruck     |       |         |         |              | Bridge |    |    |    |    |    |   |        | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|----------------------|------------------|----------|---------------------------------|--------------|-------|---------|---------|--------------|--------|----|----|----|----|----|---|--------|------------------------------|----------------------------|
|              | Type                 | Speed            | Lift     | Type                            | HP per Motor | TRC   | Wheel   |         | HP per Motor | Span   | L1 | L2 | C1 | A1 | K1 | Z |        |                              |                            |
|              | Reeving              | FPM              | Ft.      | Weight                          | 80 FPM       |       | Dia.    | Base    |              |        |    |    |    |    |    |   | Length |                              |                            |
| Rope Dia.    | HP                   |                  |          | VFD                             | In.*         | In.   | Ft.-In. | Ft.-In. | VFD          | Ft.    |    |    |    |    |    |   |        |                              |                            |
| 25           | 6250<br>4/1<br>0.625 | 14/2.3<br>26/4.3 | 20<br>33 | EM 6250L6<br>141.41.060<br>3300 | 2 x 0.75     | 78.75 | 10      | 8'10"   | 11'-3"       | 2x2.00 | 24 | 42 | 42 | 7  | 55 | 8 | 4      | 26203                        | 16704                      |
|              |                      |                  |          |                                 |              |       |         |         |              |        | 28 |    |    |    |    |   | 6      | 27372                        | 19136                      |
|              |                      |                  |          |                                 |              |       |         |         |              |        | 32 |    |    |    |    |   | 6      | 28252                        | 20976                      |
|              |                      |                  |          |                                 |              |       |         |         |              |        | 36 |    |    |    |    |   | 9      | 29166                        | 23327                      |
|              |                      |                  |          |                                 |              |       |         |         |              |        | 40 |    |    |    |    |   | 9      | 30118                        | 26086                      |
|              |                      |                  |          |                                 |              |       |         |         |              |        | 44 |    |    |    |    |   | 9      | 31382                        | 30287                      |
|              | 12                   | 9'6"             | 11'-7"   | 2x3.00                          | 48           | 14    | 32524   | 34143   |              |        |    |    |    |    |    |   |        |                              |                            |
|              |                      |                  |          |                                 | 52           | 14    | 33153   | 36055   |              |        |    |    |    |    |    |   |        |                              |                            |
|              |                      |                  |          |                                 | 56           | 17    | 34682   | 41654   |              |        |    |    |    |    |    |   |        |                              |                            |
|              |                      |                  |          |                                 | 60           | 17    | 35338   | 43829   |              |        |    |    |    |    |    |   |        |                              |                            |

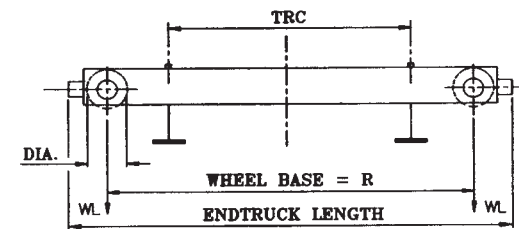
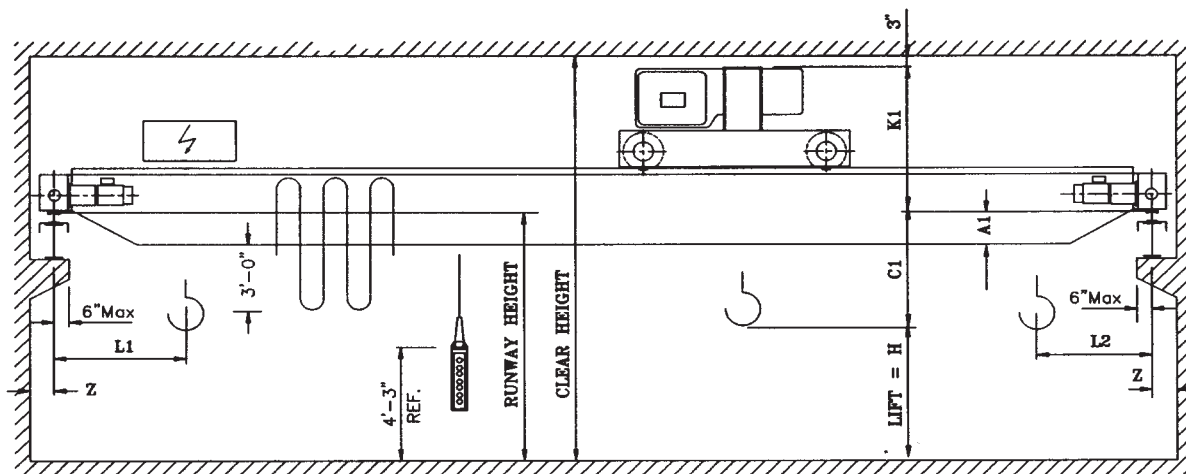


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW6A

| Cap.<br>Tons | Hoist                |                  |        | Trolley                         |                 |       | Endtruck |         |                 |        | Bridge |     |     |     |     |     | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |        |
|--------------|----------------------|------------------|--------|---------------------------------|-----------------|-------|----------|---------|-----------------|--------|--------|-----|-----|-----|-----|-----|------------------------------|----------------------------|--------|
|              | Type                 | Speed            | Lift   | Type                            | HP per<br>Motor | TRC   | Wheel    |         | HP per<br>Motor | Span   | L1     | L2  | C1  | A1  | K1  | Z   |                              |                            |        |
|              | Reeving              | FPM              |        |                                 | 80 FPM          |       | Dia.     | Base    |                 |        |        |     |     |     |     |     |                              |                            | Length |
| Rope Dia.    | HP                   | Ft.              | Weight | VFD                             | In.*            | In.   | Ft.-In.  | Ft.-In. | VFD             | Ft.    | In.    | In. | In. | In. | In. | In. |                              |                            |        |
| 25           | 6250<br>4/1<br>0.625 | 14/2.3<br>26/4.3 | 50     | EM 6250L6<br>141.41.150<br>3800 | 2 x 0.75        | 98.5  | 10       | 12'-6"  | 14'-2"          | 2x2.00 | 24     | 42  | 42  | 7   | 55  | 8   | 4                            | 26203                      | 16704  |
|              |                      |                  |        |                                 |                 |       |          |         |                 |        | 28     |     |     |     |     |     | 6                            | 27372                      | 19136  |
|              |                      |                  |        |                                 |                 |       |          |         |                 |        | 32     |     |     |     |     |     | 6                            | 28252                      | 20976  |
|              |                      |                  |        |                                 |                 |       |          |         |                 |        | 36     |     |     |     |     |     | 9                            | 29166                      | 23327  |
|              |                      |                  |        |                                 |                 |       |          |         |                 |        | 40     |     |     |     |     |     | 9                            | 30118                      | 26086  |
|              |                      |                  |        |                                 |                 |       |          |         |                 |        | 44     |     |     |     |     |     | 9                            | 31382                      | 30287  |
|              | 12                   | 14'-6"           | 2x3.00 | 48                              | 14              | 32524 | 34143    |         |                 |        |        |     |     |     |     |     |                              |                            |        |
|              |                      |                  |        | 52                              | 14              | 33153 | 36055    |         |                 |        |        |     |     |     |     |     |                              |                            |        |
|              |                      |                  |        | 56                              | 17              | 34682 | 41654    |         |                 |        |        |     |     |     |     |     |                              |                            |        |
|              |                      |                  |        | 60                              | 17              | 35338 | 43829    |         |                 |        |        |     |     |     |     |     |                              |                            |        |

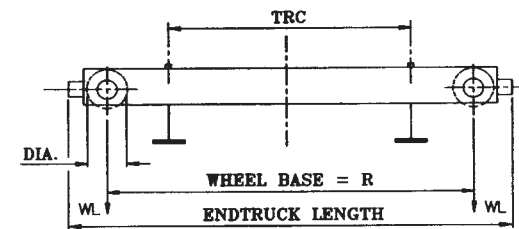
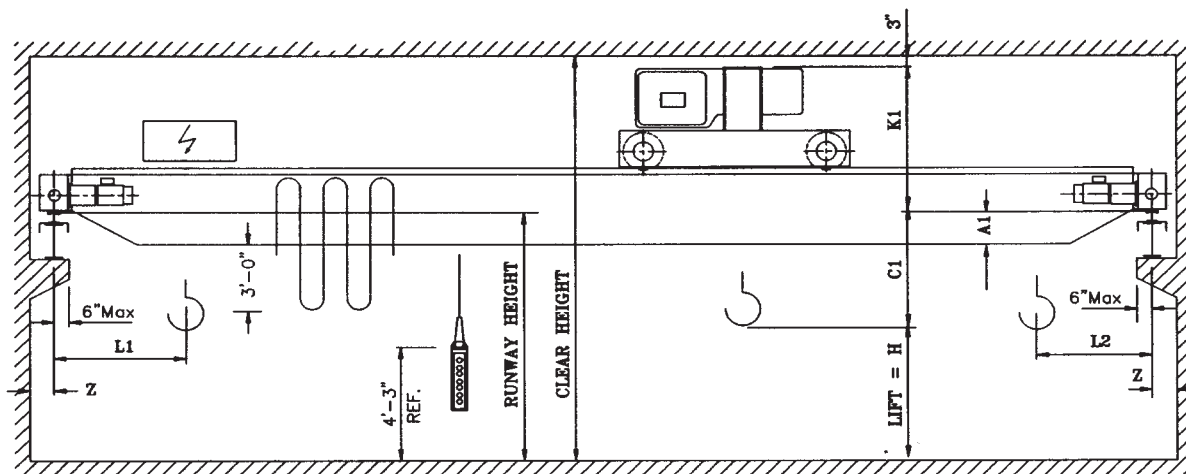


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW7

| Cap.<br>Tons | Hoist                |                      |             | Trolley                         |                                  |             | Endtruck |        |                                   |             | Bridge    |           |           |           |           |          |        | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |       |
|--------------|----------------------|----------------------|-------------|---------------------------------|----------------------------------|-------------|----------|--------|-----------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|----------|--------|------------------------------|----------------------------|-------|
|              | Type                 | Speed                | Lift<br>Ft. | Type                            | HP per<br>Motor<br>80 FPM<br>VFD | TRC<br>In.* | Wheel    |        | HP per<br>Motor<br>120 FPM<br>VFD | Span<br>Ft. | L1<br>In. | L2<br>In. | C1<br>In. | A1<br>In. | K1<br>In. | Z<br>In. |        |                              |                            |       |
|              | Reeving              | FPM                  |             |                                 |                                  |             | Dia.     | Base   |                                   |             |           |           |           |           |           |          | Length |                              |                            | In.   |
| 30           | 5300<br>6/1<br>0.625 | 10.5/1.6<br>20.4/3.4 | 13<br>22    | EM 5300L6<br>091.61.040<br>4450 | 2 x 0.75                         | 78.75       | 12       | 8'-10" | 10'-11"                           | 2x3.0       | 46        | 46        | 8         | 6         | 4         | 56       | 30623  | 18118                        |                            |       |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 6         | 4         | 56       |        |                              | 31810                      | 19894 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 6         | 4         | 56       |        |                              | 32680                      | 21141 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 6         | 8         | 56       |        |                              | 34025                      | 24786 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 6         | 14        | 56       |        |                              | 35367                      | 28765 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 6         | 14        | 56       |        |                              | 36091                      | 30524 |
|              | 0.625                | 20.4/3.4             | 22          | EM 6320L6<br>091.61.060<br>4840 | 2 x 0.75                         | 78.75       | 16       | 9'-6"  | 12'                               | 2x5.0       | 46        | 46        | 8         | 6         | 14        | 56       | 37298  | 34405                        |                            |       |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 3         | 16        | 59       |        |                              | 38838                      | 39764 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 3         | 19        | 59       |        |                              | 40108                      | 44159 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 3         | 19        | 59       |        |                              | 41514                      | 49187 |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 3         | 19        | 59       |        |                              |                            |       |
|              |                      |                      |             |                                 |                                  |             |          |        |                                   |             |           |           |           | 3         | 19        | 59       |        |                              |                            |       |

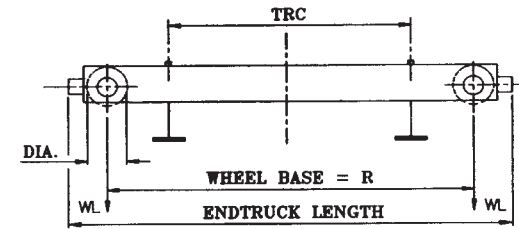
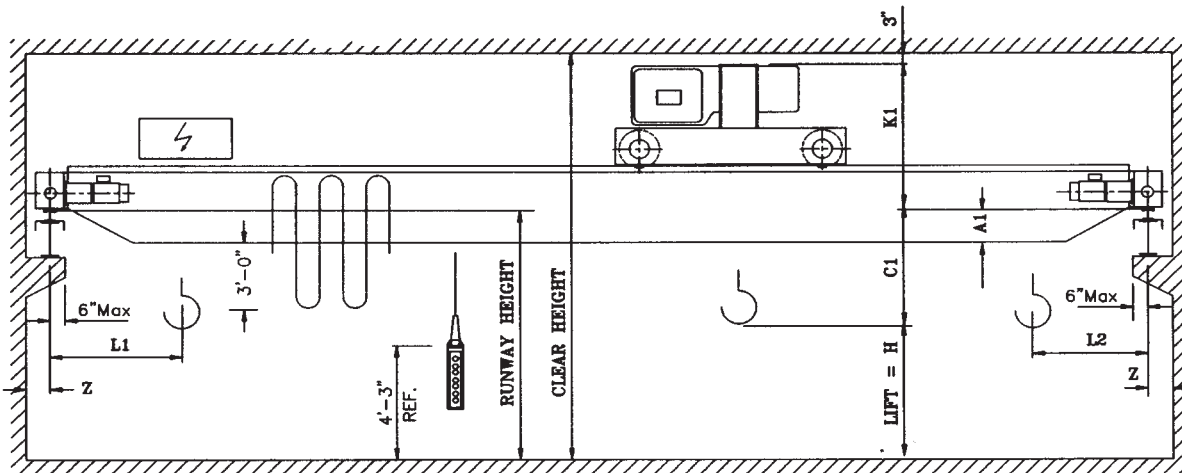


- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW7A

| Cap.<br>Tons | Hoist                |                      |             | Trolley                         |                                  |             | Endtruck |         |                   |                                   | Bridge      |           |           |           |           |           |          | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |  |  |   |    |    |       |       |
|--------------|----------------------|----------------------|-------------|---------------------------------|----------------------------------|-------------|----------|---------|-------------------|-----------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|----------|------------------------------|----------------------------|--|--|---|----|----|-------|-------|
|              | Type                 | Speed                | Lift<br>Ft. | Type<br>Weight                  | HP per<br>Motor<br>80 FPM<br>VFD | TRC<br>In.* | Wheel    |         | Length<br>Ft.-In. | HP per<br>Motor<br>120 FPM<br>VFD | Span<br>Ft. | L1<br>In. | L2<br>In. | C1<br>In. | A1<br>In. | K1<br>In. | Z<br>In. |                              |                            |  |  |   |    |    |       |       |
|              | Reeving              | FPM                  |             |                                 |                                  |             | Dia.     | Base    |                   |                                   |             |           |           |           |           |           |          |                              |                            |  |  |   |    |    |       |       |
| 30           | 5300<br>6/1<br>0.625 | 10.5/1.6<br>20.4/3.4 | 33          | EM 6320L6<br>091.61.100<br>5200 | 2 x 0.75                         | 98.5        | 12       | 12'-6"  | 14'-6"            | 2x3.0                             | 46          | 46        | 8         | 6         | 4         | 56        | 30623    | 18118                        |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 24        | 6         | 4         |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 28        | 6         | 4         |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 32        | 6         | 4         |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 36        | 6         | 8         |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 40        | 6         | 14        |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           | 44        | 6         | 14        |          |                              | 56                         |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             | 48       | 6       | 14                | 56                                |             |           |           |           |           |           |          |                              |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             | 52       | 3       | 16                | 59                                | 37298       | 34405     |           |           |           |           |          |                              |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             | 56       | 3       | 19                | 59                                |             |           |           |           |           |           |          |                              |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             | 60       | 3       | 19                | 59                                |             |           |           |           |           |           |          |                              |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             | 16       | 14'-11" | 2x5.0             | 3                                 | 16          | 59        | 38838     | 39764     |           |           |          |                              |                            |  |  |   |    |    |       |       |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           |           |           |           |          |                              |                            |  |  | 3 | 19 | 59 | 40108 | 44159 |
|              |                      |                      |             |                                 |                                  |             |          |         |                   |                                   |             |           |           |           |           |           |          |                              |                            |  |  | 3 | 19 | 59 | 41514 | 49187 |



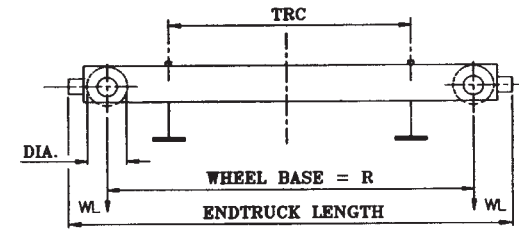
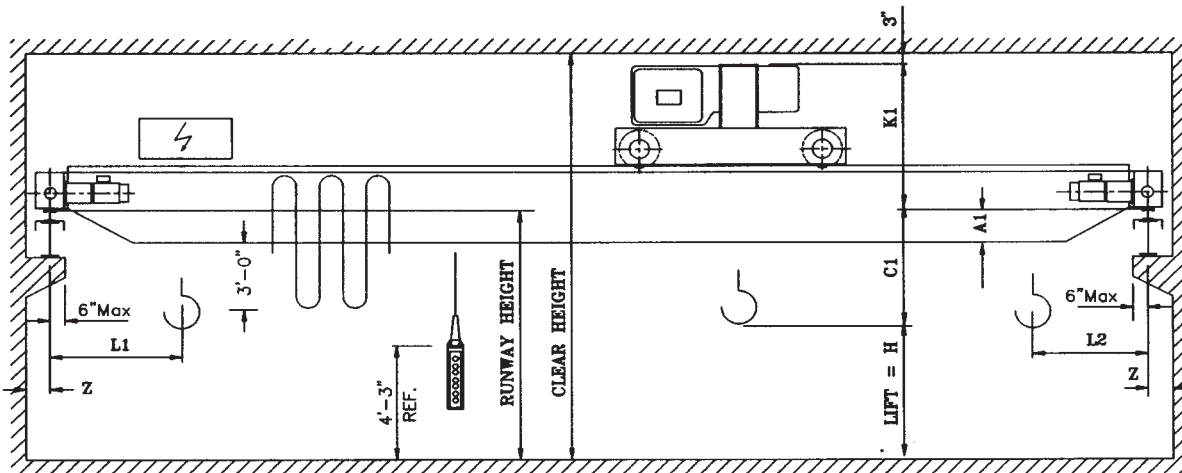
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW8

| Cap.<br>Tons | Hoist               |                   | Trolley |                 |          |         | Endtruck |                 |         | Bridge |     |     |     |     |     |        | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |       |
|--------------|---------------------|-------------------|---------|-----------------|----------|---------|----------|-----------------|---------|--------|-----|-----|-----|-----|-----|--------|------------------------------|----------------------------|-------|
|              | Type                | Speed             | Type    | HP per<br>Motor | TRC      | Wheel   |          | HP per<br>Motor | Span    | L1     | L2  | C1  | A1  | K1  | Z   |        |                              |                            |       |
|              | Reeving             | FPM               |         |                 |          | Lift    | VFD      |                 |         |        |     |     |     |     |     | Length |                              |                            | VFD   |
| Rope Dia.    | HP                  | Ft.               | Weight  | In.*            | In.      | Ft.-In. | Ft.-In.  | VFD             | Ft.     | In.    | In. | In. | In. | In. | In. |        |                              |                            |       |
| 35           | 6360<br>6/1<br>0.75 | 9.0/1.5<br>26/4.3 | 13      | EM 6360L6       | 2 x 0.75 | 78.75   | 12       | 8'-10"          | 10'-11" | 2x3.0  | 24  | 46  | 46  | 3   | 63  | 8      | 4                            | 35234                      | 18118 |
|              |                     |                   |         | 091.61.040      |          |         |          |                 |         |        | 28  |     |     |     |     |        | 4                            | 36564                      | 19894 |
|              |                     |                   |         | 4750            |          |         |          |                 |         |        | 32  |     |     |     |     |        | 8                            | 38073                      | 23273 |
|              |                     |                   |         |                 |          |         |          |                 |         |        | 36  |     |     |     |     |        | 8                            | 38967                      | 24786 |
|              |                     |                   |         |                 |          |         |          |                 |         |        | 40  |     |     |     |     |        | 10                           | 40147                      | 27850 |
|              |                     |                   |         |                 |          |         |          |                 |         |        | 44  |     |     |     |     |        | 13                           | 41639                      | 32469 |
|              |                     | 48                | 13      | 43195           | 37565    |         |          |                 |         |        |     |     |     |     |     |        |                              |                            |       |
|              |                     | 52                | 13      | 44493           | 41803    |         |          |                 |         |        |     |     |     |     |     |        |                              |                            |       |
|              |                     | 56                | 13      | 45549           | 45210    |         |          |                 |         |        |     |     |     |     |     |        |                              |                            |       |
|              |                     | 60                | 13      | 46634           | 48840    |         |          |                 |         |        |     |     |     |     |     |        |                              |                            |       |



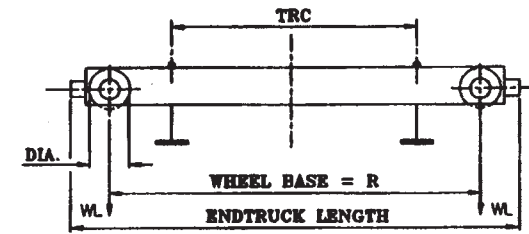
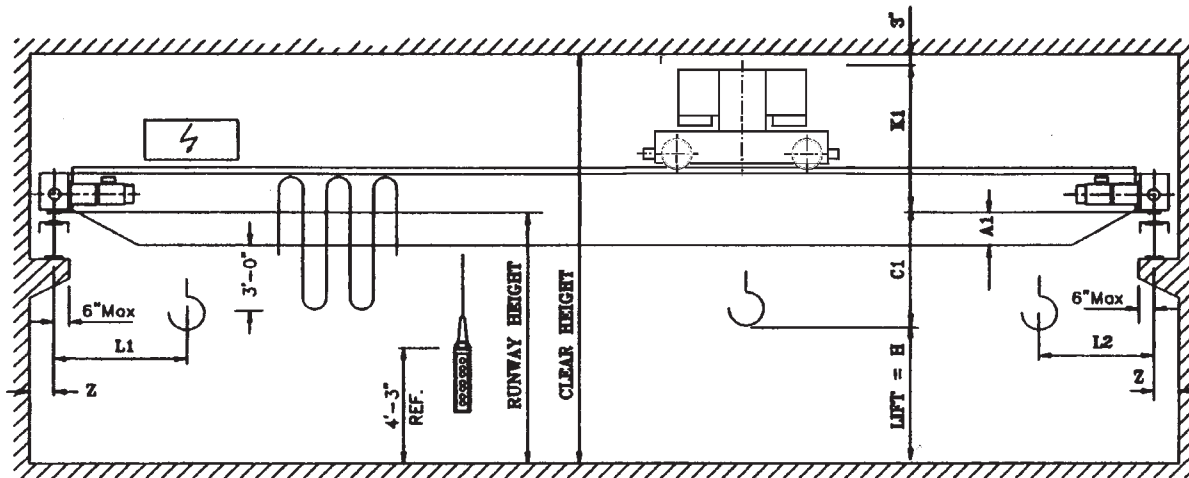
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW8A

| Cap.<br>Tons | Hoist               |                   |        | Trolley                         |                 |       | Endtruck |         |        |                 | Bridge |     |     |     |     |     | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |       |
|--------------|---------------------|-------------------|--------|---------------------------------|-----------------|-------|----------|---------|--------|-----------------|--------|-----|-----|-----|-----|-----|------------------------------|----------------------------|-------|
|              | Type                | Speed             | Lift   | Type                            | HP per<br>Motor | TRC   | Wheel    |         | Length | HP per<br>Motor | Span   | L1  | L2  | C1  | A1  | K1  |                              |                            | Z     |
|              | Reeving             | FPM               |        |                                 |                 |       | Dia.     | Base    |        |                 |        |     |     |     |     |     |                              |                            |       |
| Rope Dia.    | HP                  | Ft.               | Weight | VFD                             | In.*            | In.   | Ft.-In.  | Ft.-In. | VFD    | Ft.             | In.    | In. | In. | In. | In. | In. | Lbs.                         | Lbs.                       |       |
| 35           | 6360<br>6/1<br>0.75 | 9.0/1.5<br>26/4.3 | 33     | EM 6320L6<br>091.61.100<br>7612 | 2 x 0.75        | 98.5  | 12       | 12'-6"  | 14'-6" | 2x3.0           | 24     | 46  | 46  | 3   | 63  | 8   | 4                            | 35234                      | 18118 |
|              |                     |                   |        |                                 |                 |       |          |         |        |                 | 28     |     |     |     |     |     | 4                            | 36564                      | 19894 |
|              |                     |                   |        |                                 |                 |       |          |         |        |                 | 32     |     |     |     |     |     | 8                            | 38073                      | 23273 |
|              |                     |                   |        |                                 |                 |       |          |         |        |                 | 36     |     |     |     |     |     | 8                            | 38967                      | 24786 |
|              |                     |                   |        |                                 |                 |       |          |         |        |                 | 40     |     |     |     |     |     | 10                           | 40147                      | 27850 |
|              |                     |                   |        |                                 |                 |       |          |         |        |                 | 44     |     |     |     |     |     | 13                           | 41639                      | 32469 |
|              | 16                  | 14'-11"           | 2x5.0  | 48                              | 13              | 43195 | 37565    |         |        |                 |        |     |     |     |     |     |                              |                            |       |
|              |                     |                   |        | 52                              | 13              | 44493 | 41803    |         |        |                 |        |     |     |     |     |     |                              |                            |       |
|              |                     |                   |        | 56                              | 13              | 45549 | 45210    |         |        |                 |        |     |     |     |     |     |                              |                            |       |
|              |                     |                   |        | 60                              | 13              | 46634 | 48840    |         |        |                 |        |     |     |     |     |     |                              |                            |       |



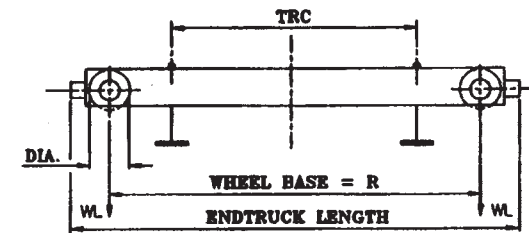
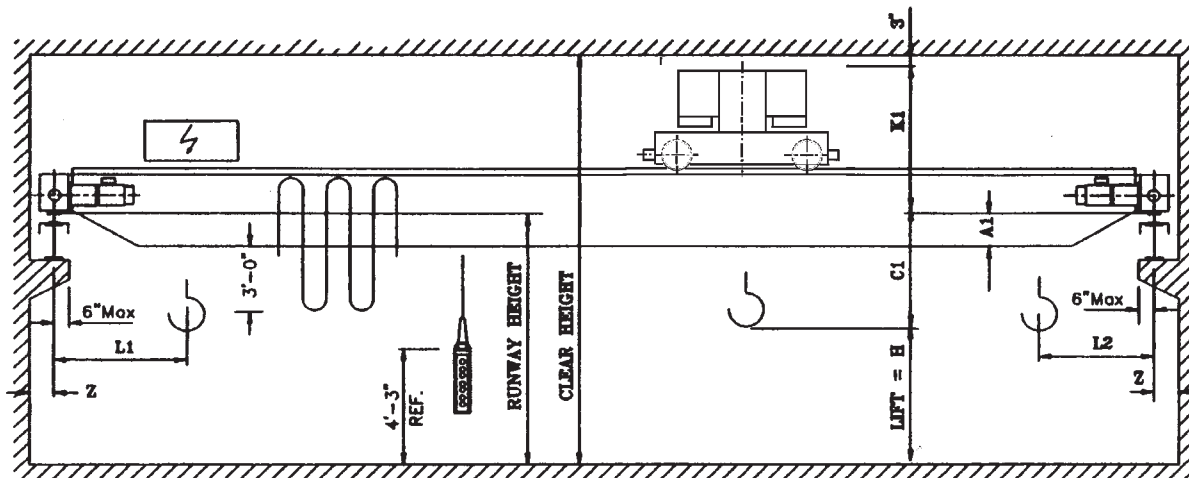
Notes:

1. Runway electrification is standard on left side.
2. Wheel loads do not include impact.
3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW9

| Cap.<br>Tons | Hoist   |         |        | Trolley    |                 |       | Endtruck |         |                 | Bridge |     |     |     |     |     |     |         | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|---------|---------|--------|------------|-----------------|-------|----------|---------|-----------------|--------|-----|-----|-----|-----|-----|-----|---------|------------------------------|----------------------------|
|              | Type    | Speed   | Lift   | Type       | HP per<br>Motor | TRC   | Wheel    |         | HP per<br>Motor | Span   | L1  | L2  | C1  | A1  | K1  | Z   |         |                              |                            |
|              | Reeving | FPM     | Ft.    | Type       | 80 FPM          | In.*  | Dia.     | Base    | Length          |        |     |     |     |     |     |     | 120 FPM |                              |                            |
| Rope Dia.    | HP      | Ft.     | Weight | VFD        | In.*            | In.   | Ft.-In.  | Ft.-In. | VFD             | Ft.    | In. | In. | In. | In. | In. | In. |         |                              |                            |
| 40           | 6360    | 9.0/1.5 | 13     | EM 6360L6  | 2 x 0.75        | 78.75 | 16       | 9'-6"   | 12'             | 2x5.00 | 24  | 48  | 48  | 4   | 65  | 8   | 39861   | 21037                        |                            |
|              |         |         |        | 161.61.040 |                 |       |          |         |                 |        | 28  |     |     |     |     |     | 41355   | 22841                        |                            |
|              |         |         |        | 4750       |                 |       |          |         |                 |        | 32  |     |     |     |     |     | 42989   | 26247                        |                            |
|              |         |         |        |            |                 |       |          |         |                 |        | 36  |     |     |     |     |     | 44269   | 28932                        |                            |
|              | 6/1     | 26/4.3  | 22     | EM 6400L6  |                 |       |          |         |                 |        | 40  |     |     |     |     |     | 45471   | 31795                        |                            |
|              |         |         |        | 161.82.100 |                 |       |          |         |                 |        | 44  |     |     |     |     |     | 47036   | 36462                        |                            |
|              |         |         |        | 5168       |                 |       |          |         |                 |        | 48  |     |     |     |     |     | 47994   | 38966                        |                            |
|              |         |         |        |            |                 |       |          |         |                 |        |     |     |     |     |     |     |         |                              |                            |



- Notes:
1. Runway electrification is standard on left side.
  2. Wheel loads do not include impact.
  3. Shipping weights include hoist and trolley.

WHEEL LOADS INDICATED WITHOUT IMPACT OR WALKWAY

## Double Girder Crane Type ZLW9A

| Cap.<br>Tons | Hoist               |                       |        | Trolley                         |                 |      | Endtruck |         |                 |       | Bridge |     |     |     |     |     | Wheel<br>Load<br>max<br>Lbs. | Shipping<br>Weight<br>Lbs. |
|--------------|---------------------|-----------------------|--------|---------------------------------|-----------------|------|----------|---------|-----------------|-------|--------|-----|-----|-----|-----|-----|------------------------------|----------------------------|
|              | Type                | Speed                 | Lift   | Type                            | HP per<br>Motor | TRC  | Wheel    |         | HP per<br>Motor | Span  | L1     | L2  | C1  | A1  | K1  | Z   |                              |                            |
|              | Reeving             | FPM                   |        |                                 | 80 FPM          |      | Dia.     | Base    |                 |       |        |     |     |     |     |     |                              |                            |
| Rope Dia.    | HP                  | Ft.                   | Weight | VFD                             | In.*            | In.  | Ft.-In.  | Ft.-In. | VFD             | Ft.   | In.    | In. | In. | In. | In. | In. |                              |                            |
| 40           | 6360<br>6/1<br>0.75 | 9.0/1.5<br><br>26/4.3 | 33     | EM 6400L6<br>161.82.150<br>7612 | 2 x 0.75        | 98.5 | 16       | 12'-6"  | 15'-0"          | 2x5.0 | 24     | 48  | 48  | 4   | 65  | 8   | 39861                        | 21037                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 28     |     |     |     |     |     | 41355                        | 22841                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 32     |     |     |     |     |     | 42989                        | 26247                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 36     |     |     |     |     |     | 44269                        | 28932                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 40     |     |     |     |     |     | 45471                        | 31795                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 44     |     |     |     |     |     | 47036                        | 36462                      |
|              |                     |                       |        |                                 |                 |      |          |         |                 |       | 48     |     |     |     |     |     | 47994                        | 38966                      |