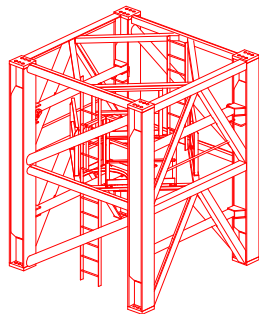
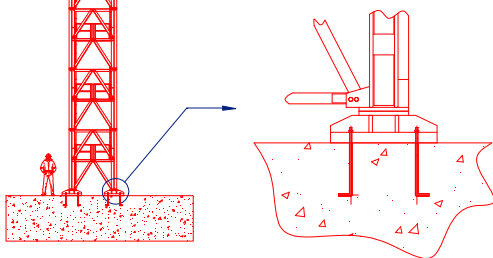


M860D TOWER CRANE

| TYPICAL LOADS | |
|---------------|--------|
| LOAD | RADIUS |
| 96T | 10.0m |
| 64T | 15.0m |
| 32T | 30.0m |
| 7T | 70.0m |



Technical Data Sheet



FAVELLE
FAVCO

M860D RADIUS AND CAPACITY (WITHOUT AUXILIARY HOIST)



| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 1 FALL | | | | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | 7.5 | 6.6 | 32.0 | 31.6 | 28.6 | 25.2 | 23.3 | 21.6 | 19.9 | 19.1 | 18.4 | 17.6 | 16.9 | 15.9 | 14.8 | 13.6 | 12.6 | 11.6 | 10.8 | 10.0 | 9.2 | 8.4 | 7.1 | 71.8 | 6.0 |
| 68.8 | 20.0 | 6.3 | 32.0 | 32.0 | 32.0 | 32.0 | 30.1 | 28.1 | 25.0 | 22.7 | 20.7 | 19.0 | 17.5 | 16.1 | 14.9 | 13.7 | 12.8 | 11.7 | 10.8 | 10.0 | 9.0 | | | 67.4 | 7.8 |
| 64.2 | 27.5 | 5.9 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 30.8 | 25.7 | 23.4 | 21.4 | 19.6 | 18.1 | 16.8 | 15.5 | 14.4 | 13.4 | 12.4 | 11.4 | 10.2 | | | | 62.9 | 9.8 |
| 59.6 | 27.5 | 5.7 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 30.8 | 26.0 | 23.7 | 21.7 | 20.0 | 18.4 | 17.0 | 15.8 | 14.6 | 13.3 | 11.3 | | | | | | 58.5 | 10.5 |
| 55.0 | 27.5 | 5.7 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 31.6 | 26.5 | 24.2 | 22.2 | 20.5 | 18.9 | 17.5 | 16.0 | 13.1 | | | | | | | | 54.0 | 12.8 |
| 50.4 | 27.5 | 5.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 31.7 | 26.7 | 24.4 | 22.4 | 20.7 | 19.1 | 17.6 | | | | | | | | | | 49.6 | 16.3 |
| 45.8 | 30.0 | 4.7 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 27.1 | 24.9 | 22.9 | 21.1 | 19.6 | | | | | | | | | | | 45.2 | 19.4 |
| 41.2 | 30.0 | 4.3 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 27.4 | 25.1 | 22.7 | | | | | | | | | | | | | 40.7 | 22.1 |
| 36.6 | 30.0 | 4.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 27.7 | | | | | | | | | | | | | | | 36.3 | 26.4 |

| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 2 FALL | | | | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | - | 6.4 | 36.2 | 36.2 | 35.7 | 32.4 | 29.6 | 27.2 | 24.7 | 22.1 | 19.9 | 17.9 | 16.1 | 14.6 | 13.2 | 11.9 | 10.8 | 9.8 | 8.8 | 8.0 | 7.2 | 6.5 | 5.9 | 71.2 | 5.7 |
| 68.8 | - | 6.0 | 46.0 | 41.9 | 35.5 | 31.4 | 30.1 | 28.1 | 25.2 | 23.3 | 21.4 | 19.7 | 18.1 | 16.6 | 15.2 | 13.9 | 12.8 | 11.8 | 10.8 | 10.0 | 9.0 | | | 66.8 | 7.0 |
| 64.2 | - | 5.7 | 54.0 | 47.5 | 40.7 | 37.5 | 34.6 | 31.9 | 26.8 | 24.5 | 22.3 | 20.6 | 18.8 | 17.4 | 16.0 | 14.8 | 13.6 | 12.6 | 11.4 | | | | | 62.4 | 9.7 |
| 59.6 | 5.4 | 5.4 | 64.0 | 52.4 | 46.1 | 42.5 | 37.6 | 32.1 | 27.3 | 24.9 | 22.9 | 20.9 | 19.4 | 17.9 | 16.4 | 15.0 | 13.3 | 11.3 | | | | | | 57.9 | 10.0 |
| 55.0 | 6.3 | 5.1 | 64.0 | 57.3 | 51.4 | 47.8 | 40.1 | 32.8 | 26.8 | 25.0 | 22.9 | 21.5 | 19.8 | 18.2 | 16.4 | 14.0 | | | | | | | | 53.5 | 12.6 |
| 50.4 | 9.0 | 4.7 | 64.0 | 62.6 | 56.7 | 52.3 | 42.2 | 34.0 | 28.0 | 25.7 | 23.6 | 21.8 | 20.2 | 18.0 | | | | | | | | | | 49.0 | 16.0 |
| 45.8 | 11.8 | 4.4 | 64.0 | 64.0 | 62.8 | 55.3 | 42.9 | 34.5 | 28.6 | 26.2 | 24.0 | 21.2 | | | | | | | | | | | | 44.6 | 18.0 |
| 41.2 | 16.6 | 4.1 | 64.0 | 64.0 | 64.0 | 55.8 | 43.1 | 34.8 | 28.7 | 26.1 | 23.1 | | | | | | | | | | | | | 40.1 | 22.9 |
| 36.6 | 16.8 | 3.8 | 64.0 | 64.0 | 64.0 | 56.1 | 43.6 | 35.3 | 26.8 | | | | | | | | | | | | | | | 35.7 | 25.6 |

| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 3 FALL | | | | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | - | 6.1 | 37.0 | 37.0 | 36.4 | 32.9 | 29.8 | 27.2 | 24.8 | 22.1 | 19.7 | 17.7 | 15.8 | 14.2 | 12.8 | 11.5 | 10.3 | 9.3 | 8.3 | 7.5 | 6.7 | 6.0 | 5.5 | 71.3 | 5.2 |
| 68.8 | - | 5.8 | 48.0 | 43.4 | 36.6 | 32.6 | 31.6 | 29.0 | 24.4 | 22.4 | 20.6 | 19.1 | 17.5 | 16.0 | 14.7 | 13.5 | 12.4 | 11.4 | 10.5 | 9.7 | 8.7 | | | 66.9 | 6.5 |
| 64.2 | - | 5.5 | 60.0 | 50.2 | 42.3 | 38.6 | 36.9 | 30.9 | 25.9 | 23.8 | 21.9 | 20.0 | 18.3 | 16.8 | 15.4 | 14.2 | 13.2 | 12.2 | 11.0 | 9.2 | | | | 62.5 | 9.2 |
| 59.6 | - | 5.2 | 69.0 | 57.5 | 48.3 | 44.2 | 36.6 | 30.0 | 27.0 | 24.6 | 22.4 | 20.6 | 18.8 | 17.4 | 15.9 | 14.4 | 12.6 | 10.8 | | | | | | 58.0 | 9.4 |
| 55.0 | - | 4.8 | 80.0 | 64.9 | 55.0 | 48.7 | 38.6 | 31.6 | 26.3 | 24.0 | 22.0 | 21.2 | 19.6 | 17.8 | 15.8 | 13.6 | | | | | | | | 53.6 | 12.1 |
| 50.4 | - | 4.5 | 85.0 | 71.8 | 63.2 | 54.3 | 43.0 | 34.5 | 28.2 | 25.8 | 23.5 | 21.6 | 20.0 | 17.6 | | | | | | | | | | 49.1 | 16.1 |
| 45.8 | 4.2 | 4.2 | 96.0 | 79.6 | 70.3 | 53.4 | 43.9 | 35.2 | 29.0 | 26.3 | 23.5 | 20.5 | 17.5 | | | | | | | | | | | 44.7 | 17.5 |
| 41.2 | 6.7 | 3.9 | 96.0 | 88.7 | 77.6 | 57.2 | 44.2 | 35.6 | 29.3 | 26.2 | 23.5 | | | | | | | | | | | | | 40.2 | 23.2 |
| 36.6 | 11.8 | 3.6 | 96.0 | 96.0 | 78.2 | 57.8 | 44.7 | 35.9 | 25.8 | | | | | | | | | | | | | | | 35.8 | 25.5 |

M860D RADIUS AND CAPACITY (WITH AUXILIARY HOIST)

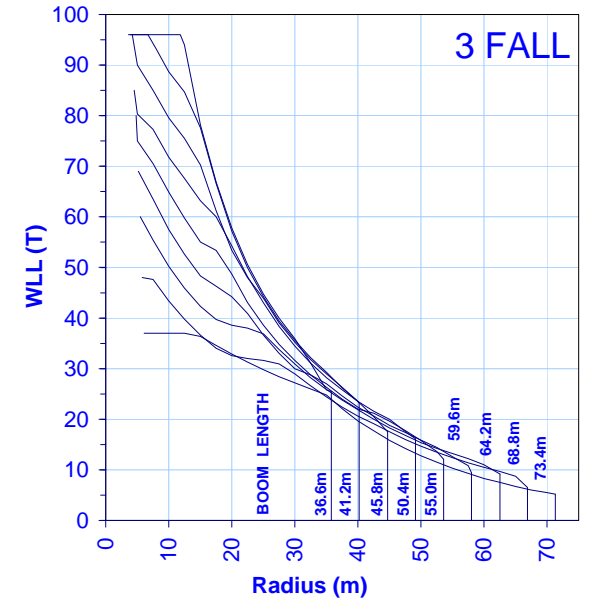
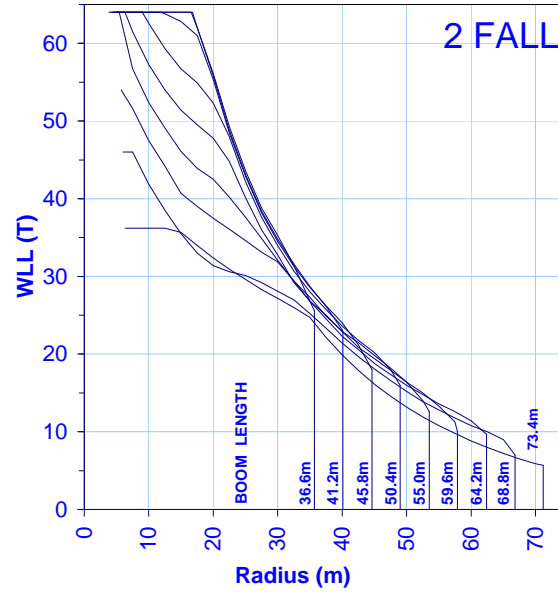
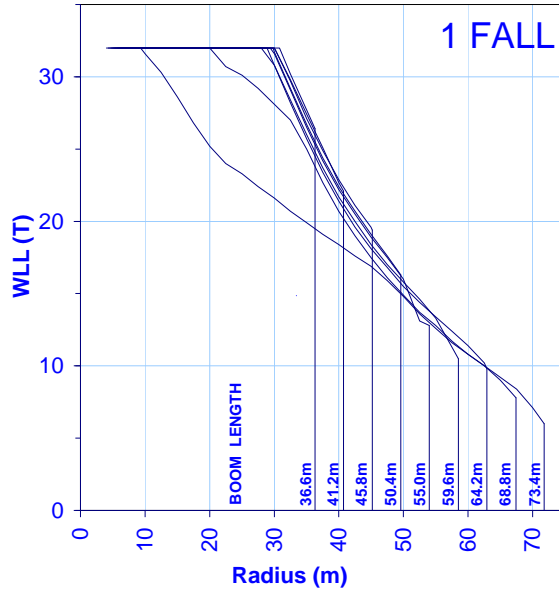


| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 1 FALL | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. | | | |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|------|------|------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | 8.5 | 6.1 | 32.0 | 36.2 | 35.7 | 32.4 | 29.6 | 27.2 | 24.7 | 22.1 | 19.9 | 17.9 | 16.1 | 14.6 | 13.2 | 11.9 | 10.8 | 9.8 | 8.8 | 8.0 | 7.2 | 6.5 | 5.9 | 71.3 | 5.0 |
| 68.8 | 11.5 | 5.8 | 32.0 | 41.9 | 35.5 | 31.4 | 30.1 | 28.1 | 25.2 | 23.3 | 21.4 | 19.7 | 18.1 | 16.6 | 15.2 | 13.9 | 12.8 | 11.8 | 10.8 | 10.0 | 9.0 | | | 66.9 | 6.9 |
| 64.2 | 16.4 | 5.5 | 32.0 | 47.5 | 40.7 | 37.5 | 34.6 | 31.9 | 26.8 | 24.5 | 22.3 | 20.6 | 18.8 | 17.4 | 16.0 | 14.8 | 13.6 | 12.6 | 11.4 | 9.7 | | | | 62.5 | 7.9 |
| 59.6 | 24.0 | 5.2 | 32.0 | 52.4 | 46.1 | 42.5 | 37.6 | 32.1 | 27.3 | 24.9 | 22.9 | 20.9 | 19.4 | 17.9 | 16.4 | 15.0 | 13.3 | 11.3 | | | | | | 58.0 | 9.4 |
| 55.0 | 28.2 | 4.8 | 32.0 | 57.3 | 51.4 | 47.8 | 40.1 | 32.8 | 26.8 | 25.0 | 22.9 | 21.5 | 19.8 | 18.2 | 16.4 | 14.0 | | | | | | | | 53.6 | 11.8 |
| 50.4 | 28.9 | 4.5 | 32.0 | 62.6 | 56.7 | 52.3 | 42.2 | 34.0 | 28.0 | 25.7 | 23.6 | 21.8 | 20.2 | 18.0 | | | | | | | | | | 49.1 | 15.4 |
| 45.8 | 29.5 | 4.2 | 32.0 | 64.0 | 62.8 | 55.3 | 42.9 | 34.5 | 28.6 | 26.2 | 24.0 | 21.2 | 18.0 | | | | | | | | | | | 44.7 | 16.3 |
| 41.2 | 30.0 | 3.9 | 32.0 | 64.0 | 64.0 | 55.8 | 43.1 | 34.8 | 28.7 | 26.1 | 23.1 | | | | | | | | | | | | | 40.2 | 21.5 |
| 36.6 | 30.0 | 3.6 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 27.7 | | | | | | | | | | | | | | | 35.8 | 23.3 |

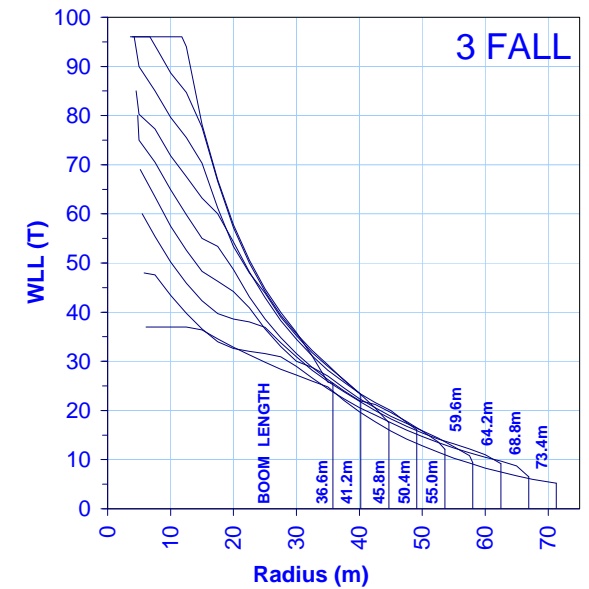
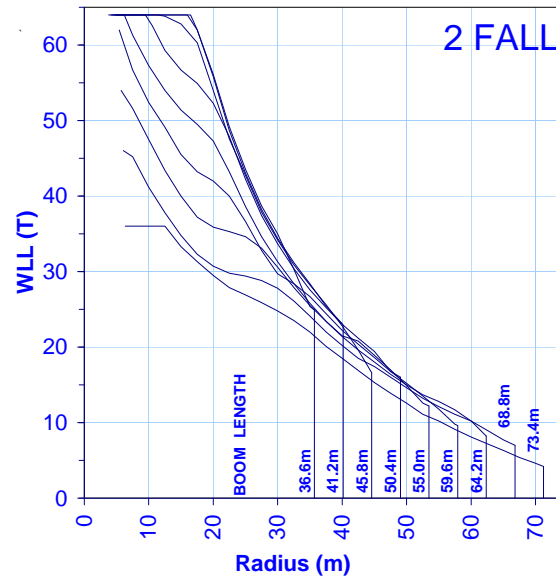
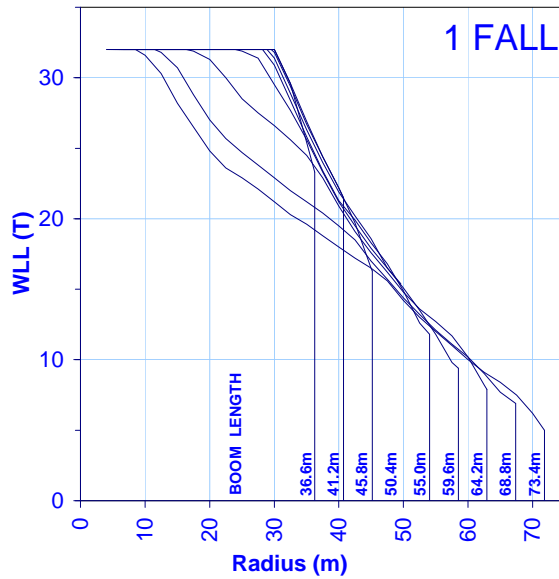
| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 2 FALL | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. | | | |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|------|------|------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | - | 6.4 | 36.2 | 36.0 | 33.3 | 29.5 | 26.9 | 24.8 | 22.0 | 20.1 | 18.5 | 16.9 | 15.3 | 13.9 | 12.6 | 11.1 | 10.2 | 9.1 | 8.1 | 7.2 | 6.3 | 5.4 | 4.6 | 71.2 | 4.2 |
| 68.8 | - | 6.0 | 46.0 | 41.2 | 34.8 | 30.7 | 29.4 | 27.8 | 24.1 | 22.0 | 20.2 | 18.5 | 17.4 | 16.0 | 14.6 | 13.2 | 12.1 | 11.1 | 10.2 | 9.0 | 7.7 | | | 66.8 | 7.0 |
| 64.2 | - | 5.7 | 54.0 | 47.5 | 40.0 | 35.9 | 34.6 | 30.6 | 25.5 | 23.4 | 21.4 | 19.6 | 18.0 | 16.4 | 15.0 | 13.7 | 12.8 | 11.7 | 10.2 | 8.2 | | | | 62.4 | 8.2 |
| 59.6 | - | 5.4 | 62.0 | 52.4 | 45.5 | 42.0 | 36.6 | 29.7 | 26.7 | 24.4 | 22.2 | 20.4 | 18.6 | 16.8 | 15.2 | 13.5 | 11.8 | 9.8 | | | | | | 57.9 | 9.6 |
| 55.0 | 5.1 | 5.1 | 64.0 | 57.3 | 51.4 | 47.3 | 38.6 | 31.3 | 25.8 | 23.4 | 21.5 | 20.8 | 18.9 | 17.0 | 14.9 | 12.6 | | | | | | | | 53.5 | 12.2 |
| 50.4 | 5.7 | 4.7 | 64.0 | 62.6 | 56.7 | 52.3 | 42.2 | 33.7 | 27.6 | 25.2 | 23.0 | 21.2 | 19.4 | 16.8 | | | | | | | | | | 49.0 | 16.0 |
| 45.8 | 10.0 | 4.4 | 64.0 | 64.0 | 62.8 | 54.0 | 42.7 | 34.2 | 28.2 | 25.6 | 23.0 | 19.6 | 16.6 | | | | | | | | | | | 44.6 | 16.6 |
| 41.2 | 15.0 | 4.1 | 64.0 | 64.0 | 64.0 | 55.8 | 43.0 | 34.4 | 28.4 | 25.4 | 23.1 | | | | | | | | | | | | | 40.1 | 22.9 |
| 36.6 | 15.0 | 3.8 | 64.0 | 64.0 | 64.0 | 56.1 | 43.5 | 35.0 | 25.4 | | | | | | | | | | | | | | | 35.7 | 24.9 |

| Boom Length | Max Rad. for Max WLL | Min Rad. | WLL at Min Rad. | 3 FALL | | | | | | | | | | | | | | | | | Max Rad. | WLL at Max Rad. | | | |
|-------------|----------------------|----------|-----------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------------|------|------|------|
| | | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | | | | | | | | | | | | |
| (m) | (m) | (m) | (T) | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (m) | (T) |
| 73.4 | - | 6.4 | 36.0 | 36.0 | 35.7 | 32.1 | 28.8 | 25.9 | 23.2 | 20.7 | 18.3 | 16.2 | 14.9 | 13.5 | 12.1 | 10.7 | 9.5 | 8.5 | 7.4 | 6.4 | 5.2 | 4.5 | 4.0 | 71.2 | 5.0 |
| 68.8 | - | 6.0 | 48.0 | 42.6 | 35.9 | 31.8 | 30.6 | 27.7 | 23.0 | 21.0 | 19.2 | 17.6 | 16.6 | 15.3 | 14.0 | 12.7 | 11.6 | 10.6 | 9.6 | 8.6 | 7.2 | | | 66.8 | 6.9 |
| 64.2 | - | 5.7 | 60.0 | 49.4 | 41.5 | 37.7 | 35.8 | 29.4 | 24.4 | 22.4 | 20.4 | 18.8 | 17.2 | 15.6 | 14.2 | 13.0 | 12.3 | 11.1 | 9.6 | 7.8 | | | | 62.4 | 7.9 |
| 59.6 | - | 5.4 | 63.2 | 56.7 | 47.5 | 43.0 | 35.2 | 28.6 | 25.6 | 23.4 | 21.4 | 19.5 | 17.8 | 16.2 | 14.6 | 12.9 | 11.4 | 9.4 | | | | | | 57.9 | 9.4 |
| 55.0 | - | 5.1 | 75.0 | 64.7 | 54.2 | 47.3 | 37.2 | 30.1 | 24.8 | 22.6 | 20.6 | 20.1 | 18.2 | 16.3 | 14.4 | 12.0 | | | | | | | | 53.5 | 11.8 |
| 50.4 | - | 4.7 | 85.0 | 71.8 | 62.4 | 52.9 | 41.6 | 33.8 | 27.6 | 24.9 | 22.6 | 20.9 | 18.8 | 16.2 | | | | | | | | | | 49.0 | 15.4 |
| 45.8 | 4.2 | 4.4 | 96.0 | 79.6 | 68.8 | 52.0 | 43.5 | 34.8 | 28.1 | 25.1 | 22.1 | 19.1 | 16.1 | | | | | | | | | | | 44.6 | 16.3 |
| 41.2 | 6.7 | 4.1 | 96.0 | 88.7 | 77.0 | 57.2 | 44.0 | 35.2 | 28.0 | 25.0 | 23.3 | | | | | | | | | | | | | 40.1 | 21.5 |
| 36.6 | 7.5 | 3.8 | 96.0 | 95.8 | 76.7 | 57.8 | 44.6 | 34.6 | 24.8 | | | | | | | | | | | | | | | 35.7 | 23.3 |

WITHOUT AUXILIARY HOIST



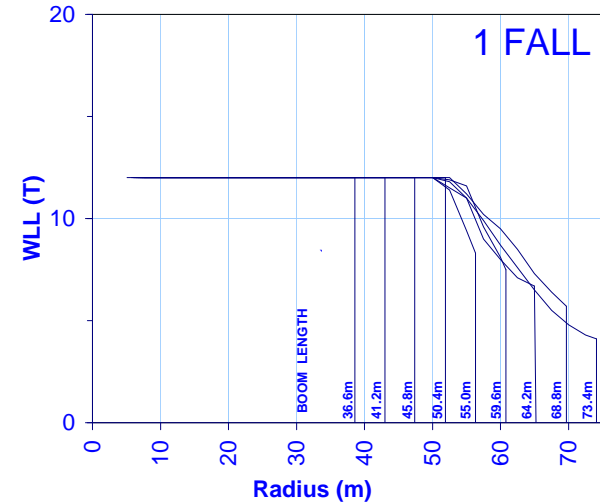
WITH AUXILIARY HOIST



M860D RADIUS , CAPACITY & LOAD CHART (AUXILIARY HOIST)

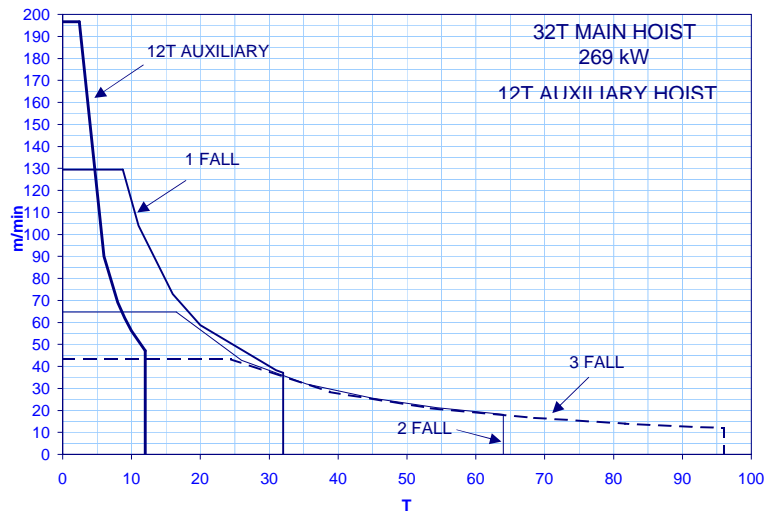


| Boom Length | Max Rad. for Max WLL | Min Rad. | 1 FALL | | | | | | | | WLL at Min Rad. (T) | Max Rad. (m) | WLL at Max Rad. (T) |
|-------------|----------------------|----------|------------------------------------|------|------|------|------|------|------|------|---------------------|--------------|---------------------|
| | | | Radius(metres) & Capacity (tonnes) | | | | | | | | | | |
| (m) | (m) | (m) | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | (T) | (m) | (T) |
| 73.4 | 50.0 | 7.6 | 11.5 | 11.0 | 9.9 | 8.7 | 7.6 | 6.5 | 5.5 | 4.8 | 12.0 | 74.1 | 4.1 |
| 68.8 | 52.5 | 7.3 | 12.0 | 11.2 | 10.2 | 9.5 | 8.5 | 7.3 | 6.4 | - | 12.0 | 69.7 | 5.7 |
| 64.2 | 52.5 | 7.0 | 12.0 | 11.8 | 11.0 | 9.0 | 8.0 | 7.1 | - | - | 12.0 | 65.2 | 6.7 |
| 59.6 | 52.5 | 6.7 | 12.0 | 11.9 | 11.6 | 9.6 | 8.1 | - | - | - | 12.0 | 60.8 | 7.5 |
| 55.0 | 50.0 | 6.4 | 11.4 | 9.4 | - | - | - | - | - | - | 12.0 | 56.3 | 8.3 |
| 50.4 | 51.9 | 6.0 | - | - | - | - | - | - | - | - | 12.0 | 51.9 | 12.0 |
| 45.8 | 47.4 | 5.7 | - | - | - | - | - | - | - | - | 12.0 | 47.4 | 12.0 |
| 41.2 | 43.0 | 5.4 | - | - | - | - | - | - | - | - | 12.0 | 43.0 | 12.0 |
| 36.6 | 38.6 | 5.1 | - | - | - | - | - | - | - | - | 12.0 | 38.6 | 12.0 |



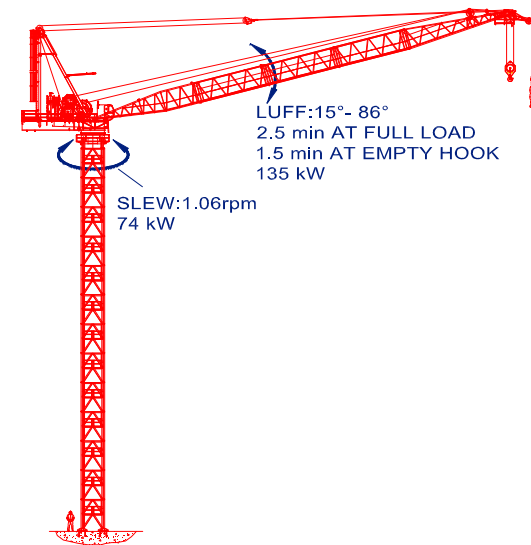
M860D SPEEDS

HOIST SPEED



| LOAD (T) | SPEED (m/min) |
|----------|---------------|
| 8.7 | 129.4 |
| 11.0 | 104.1 |
| 16.0 | 72.8 |
| 20.0 | 58.7 |
| 31.0 | 38.3 |
| 32.0 | 37.1 |
| 16.5 | 64.7 |
| 26.0 | 42.8 |
| 35.4 | 32.0 |
| 44.9 | 25.5 |
| 54.3 | 21.3 |
| 64.0 | 18.1 |
| 24.5 | 43.1 |
| 38.8 | 28.4 |
| 53.1 | 21.1 |
| 67.4 | 16.8 |
| 81.7 | 14.0 |
| 96.0 | 12.0 |
| 2.4 | 196.6 |
| 6.0 | 90.1 |
| 8.0 | 69.1 |
| 9.0 | 61.9 |
| 10.0 | 56.1 |
| 12.0 | 47.2 |

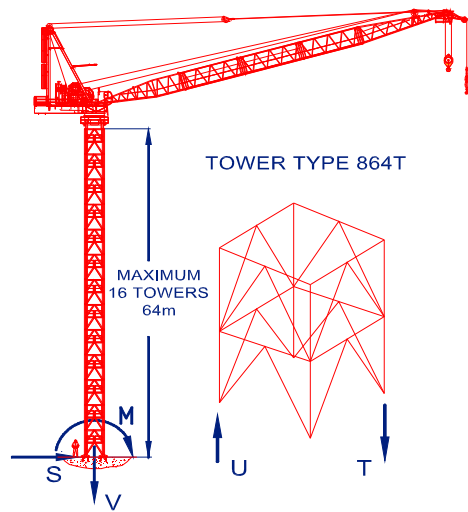
LUFF&SLEW SPEEDS



M860D GENERAL DIMENSIONS (TYPICAL CASES AT 55.0m BOOM LENGTH)



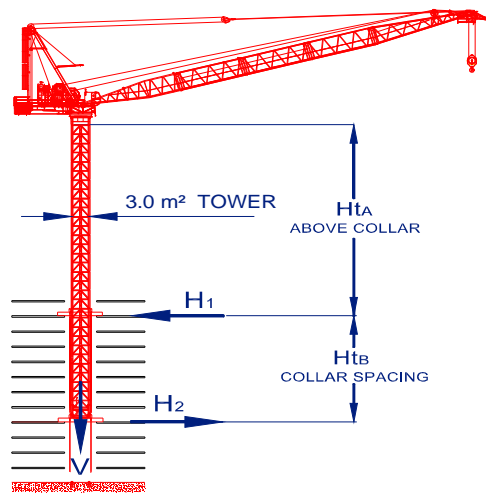
CRANE FREE-STANDING WITHOUT CLIMBING FRAME



BUILDING REACTION

| Design Load | I/S* | O/S† | O/S high ^ | Unit |
|---------------------|------|------|------------|------|
| NO. of Towers | 16 | 16 | 12 | - |
| M | 1394 | 1630 | 3094 | mT |
| V | 361 | 237 | 212 | T |
| S | 9 | 39 | 80 | T |
| T | 430 | 480 | 863 | T |
| U | 300 | 368 | 757 | T |
| Ht _{Total} | 64 | 64 | 48 | m |

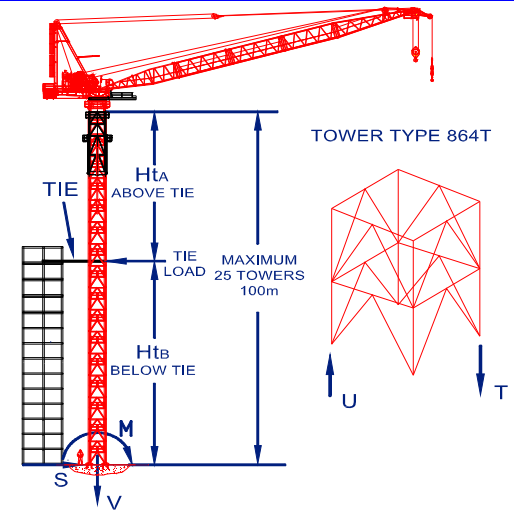
INTERNAL CLIMBER ON COLLARS



BUILDING REACTION

| Design Load | I/S* | O/S† | O/S high^ | Unit |
|-----------------|------|------|-----------|------|
| NO. of Towers | 16 | 16 | 12 | - |
| V | 261 | 237 | 212 | T |
| H ₁ | 84 | 95 | 183 | T |
| H ₂ | 76 | 62 | 117 | T |
| Ht _A | 48 | 48 | 32 | m |
| Ht _B | 16 | 16 | 16 | m |

WITH CLIMBER- ONE TIE ABOVE THE BASE



BUILDING REACTION

| Design Load | I/S* | O/S† | O/S high^ | Unit |
|---------------------|------|------|-----------|------|
| NO. of Towers | 25 | 25 | 18 | - |
| TIE | 48 | 77 | 199 | T |
| M | 660 | 643 | 1335 | mT |
| V | 336 | 311 | 268 | T |
| S | 40 | 39 | 118 | T |
| T | 257 | 296 | 417 | T |
| U | 89 | 91 | 283 | T |
| Ht _A | 50 | 50 | 38 | m |
| Ht _B | 50 | 50 | 34 | m |
| Ht _{Total} | 100 | 100 | 72 | m |

*:IN SERVICE WIND=20 m/s

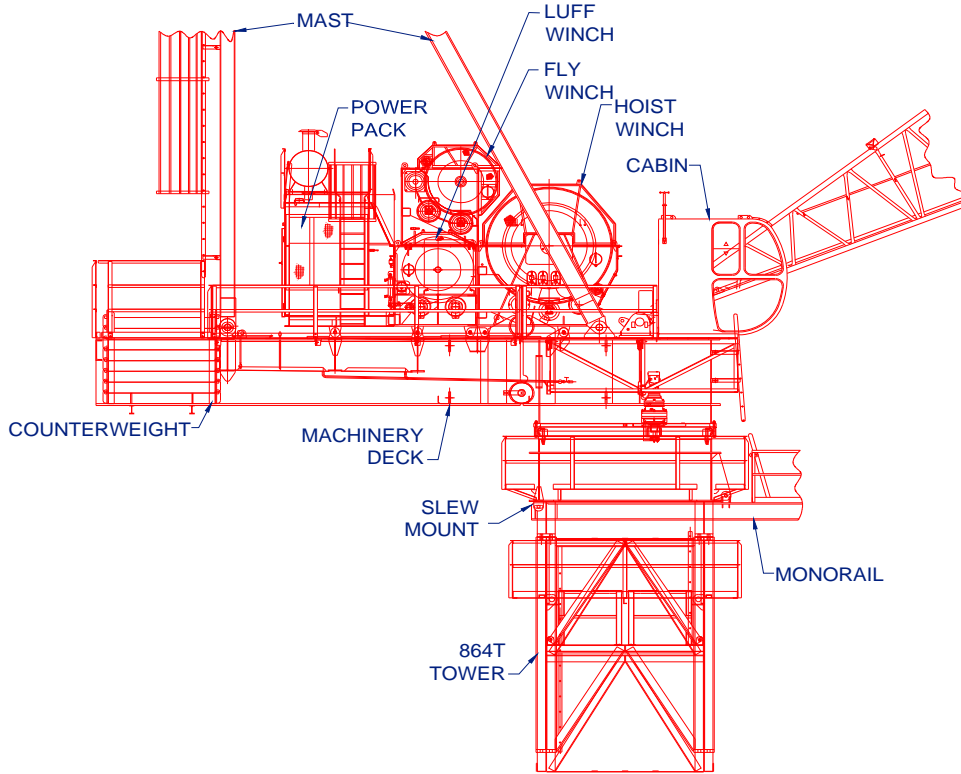
†:OUT OF SERVICE WIND= 42 m/s

^:HIGH WIND (i.e. CYCLONE)= 65 m/s

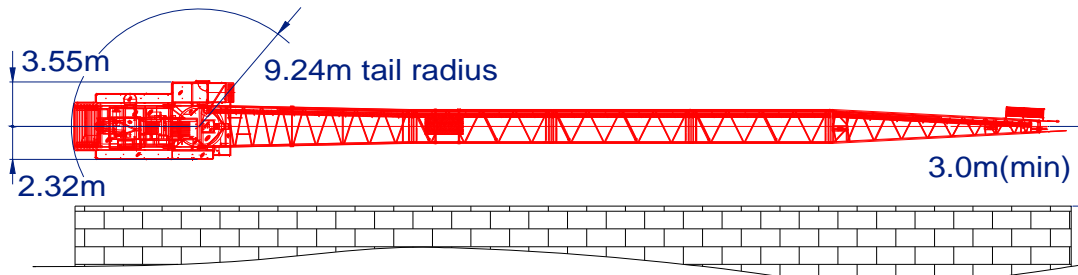
Notes:

- Structure is designed using permissible stress method. These loads will vary by change of boom length, height and type of tower, actual site wind conditions, no of falls and change of wind speed.
- To calculate alternative options for M860D refer to Favelle Favco Design Sheet named "Crane Weight Wind Chart".

MACHINERY DECK ASSEMBLY



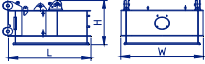
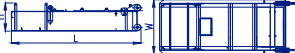
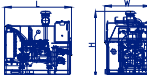
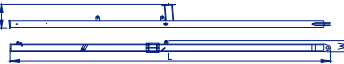




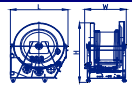
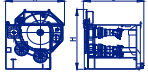
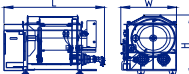



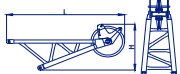

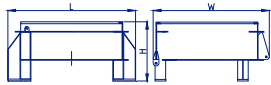

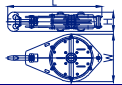
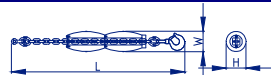
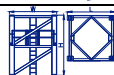
EXTERNAL CLIMBING INSTALLATION CLEARANCE



OUT OF SERVICE CONFIGURATION

| Boom Length (m) | Minimum weathervaning* | |
|-----------------|------------------------|-----------|
| | Radius (m) | Angle (°) |
| 73.4 | 19.7 | 74.7 |
| 68.8 | 17.8 | 75.3 |
| 64.2 | 16.2 | 75.6 |
| 59.6 | 14.7 | 75.9 |
| 55.0 | 14.5 | 75.0 |
| 50.4 | 15.5 | 72.3 |
| 45.8 | 16.8 | 68.8 |
| 41.2 | 18.2 | 64.2 |
| 36.6 | 19.9 | 57.5 |

*: MINIMUM WEATHERVANING POSITION IS BASED ON THE WIND SPEED OF 20 m/s OR BOOM FLOAT AT 25 m/s

| ITEM | QTY | DESCRIPTION | LENGTH L (mm) | HEIGHT H (mm) | WIDTH W (mm) | WEIGHT PER ITEM (kg) | |
|------|-----|--|---|------------------|-----------------|-------------------------|----------------|
| 1 | 1 | SPLIT DECK-FRONT (INCL. SLEW DRIVE, PINS & HANDRAILS) |  | 3370 | 2127 | 3390 | 9675 |
| 2 | 1 | SPLIT DECK-REAR |  | 7255 | 1445 | 3390 | 12206 |
| 3 | 1 | POWERPACK (INCL. 850L OF OIL) |  | 3008 | 3207 | 2024 | 5020 |
| 4 | 2 | MAST FRONT LEG |  | 13250 | 1099 | 519 | 2545EA |
| | 1 | MAST HEAD |  | 1120 | 1152 | 852 | 934 |
| | 2 | MAST BACK LEG |  | 12020 | 250 | 390 | 990EA |
| | 1 | BUFFER |  | 3740 | 231 | 2974 | 398 |
| | | MAST ASSEMBLY (INC. SHEAVES, HEAD PIN, LADDERS, BUFFER AND PLATFORMS) | | | | | 9716 |
| 5 | 1 | CABIN & PLATFORM ASSEMBLY |  | 4607 | 3286 | 1660 | 2470 |
| 6 | 1 | MAIN HOIST WINCH ASSY (EMPTY DRUM) (750 m WINCH CAPACITY) |  | 2464 | 2915 | 1765 | 9351 |
| 7 | 1 | AUX. HOIST WINCH ASSY (EMPTY DRUM) (500 m WINCH CAPACITY) |  | 1771 | 1937 | 1730 | 3708 |
| 8 | 1 | LUFF WINCH ASSY (EMPTY DRUM) |  | 2846 | 1995 | 1576 | 3968 |
| 9 | 1 | BOOM BOTTOM 13.7m (INC. WALKWAY&PINS) |  | 13963 | 3569 | 2815 | 2733 |
| 10 | 1 | BOOM TOP 13.7m (INC. DEFLECTOR, SHEAVES & PINS) (PENDANT & PLATFORM) |  | 14561 | 2814 | 1920 | 4281 |
| 11 | 5 | BOOM EXTENSION 9.2m AND PENDANT BARS (BRIDLE PLATFORM 325 kg) |  | 9316 | 2991 | 2814 | 2111 (2436) |
| 12 | 1 | BOOM FLY 2.4m |  | 2845 | 1205 | 851 | 451 |
| 14 | 1 | BRIDLE |  | 1865 | 1010 | 1056 | 703 |
| 15 | 1 | SLEW MOUNT (INCL. PLATFORMS 850Kg) |  | 3710 | 1871 | 3370 | 6183 |
| | 1 | SLEW RING (INCL. BOLTS) | | 3100 DIA. | 175 | | 2245 |
| | | Total | | | | | 8428 |
| 16 | 1 | CLIMBER | | 11530 | 1000 | 3500 | 16760 |
| 17 | 1 | MONORAIL |  | 8000 | 1697 | 650 | 3120 |
| 18 | 8 | COUNTER WEIGHT | | 2750 | 257 | 1915 | 8194 |
| 19 | 1 | HOOK - 3/2/1 FALL (96/64/32T) |  | 2760 | 420 | 1340 | 2683 |
| 20 | 1 | HOOK - 1 FALL (12T) |  | 2804 | 320 | 327 | 520 |
| 20 | | TOWER SECTION (INC.LADDER,HAND RAIL,PLATFORM) |  | 3050 | 4003 | 3031 | 6235 |
| 21 | 1 | HOIST ROPE (42mm) @ 8.56kg/m | | 400m | | | 3561 |
| | 1 | HOIST ROPE (32mm) @ 5.01kg/m | | 200m | | | 1042 |
| 22 | 1 | LUFF ROPE (32mm) @ 4.87 kg/m | | 220m | | | 1115 |