



## CRANE SPECIFICATION

# FRANNA MAC25 SL

## COMPREHENSIVE LIFTING SOLUTIONS

We look forward to providing a full heavy lift engineering and crane solution for your next project. Our heavy lift engineers and on site personnel are experienced in managing and organising highly de-manding lift requirements.

Contact us to discuss your lifting requirements and a free quote.

### BRISBANE (HQ)

07 3907 5800  
37 Paringa Rd, Murarrie, QLD, 4172

### ROMA

07 4622 5522  
8 Wormwell Drive, Roma QLD 4455

### GOLD COAST

07 5593 4688  
9 Kimberley Rd, Burleigh Heads, QLD, 4220

### SUNSHINE COAST

0409 595 618  
562 Maroochydore Rd, Kunda Park, QLD, 4556

### GLADSTONE

07 4972 9326  
7 Red Cover Rd, Gladstone, QLD, 4680

### TOWNSVILLE

07 4779 4088  
16 Mackley St, Garbutt QLD 4814

### ROCKHAMPTON

07 4939 1095  
371 Leichhardt St, Rockhampton QLD, 4700

### MACKAY

07 4952 6998  
135 Diesel Drive, Paget QLD 4740



# MAC 25-3

**Features: MAC 25-3**

- ▶ 25 tonne at 1.41 m radius
- ▶ 1.8 tonne at 15.71 m radius
- ▶ 18 m maximum hook height
- ▶ Hook block (6 parts) capacity 25 tonne
- ▶ Single line 4.2 tonne

**WORKS FOR YOU.™**

## Key

|       |   |
|-------|---|
| ..... | 3 |
|-------|---|

## Dimensions

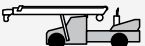
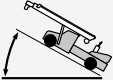
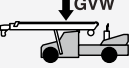
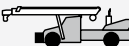
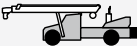
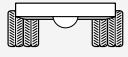
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## Load charts

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| Third boom retracted .....     | 8  |
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| Third boom retracted .....     | 10 |
| Third boom extending .....     | 11 |

## Technical description

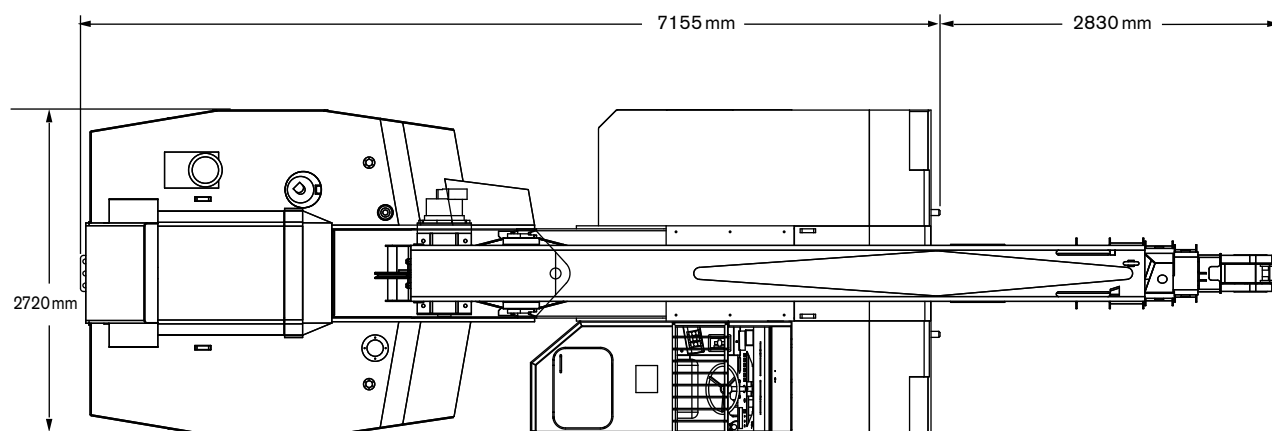
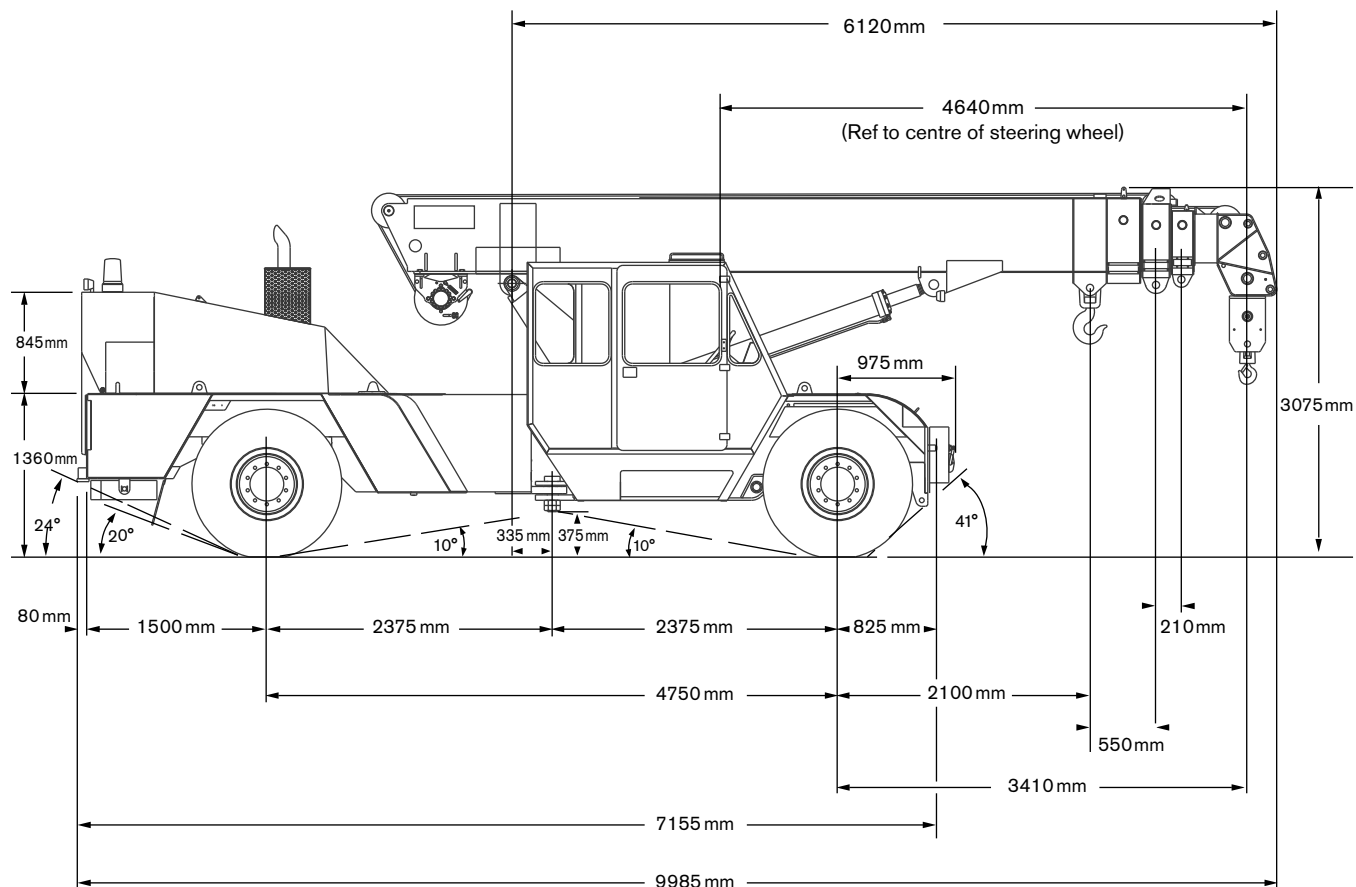
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| Vehicle performance .....              | 14 |
| Cab, controls, and operator aids ..... | 14 |

|                                                                                     |                      |                                                                                     |                                               |
|-------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|
|    | Boom length          |    | Speed                                         |
|    | Hook height          |    | Slewing / Allowable slewing range             |
|    | Boom with jib        |    | Crane / Crane in standard configuration       |
|    | Telescoping mode     |    | Gradeability                                  |
|    | Boom elevation angle |    | Gross vehicle weight                          |
|    | Working radius       |    | Counterweight on front                        |
|   | Hook and block       |  | Counterweight on rear                         |
|  | On rubber            |  | Controls                                      |
|  | Main winch           |  | Cab                                           |
|  | Winch speed          |  | Air conditioning / Cab heating                |
|  | Engine               |  | Operator aids / Load limiter / Load indicator |
|  | Transmission         |  | Rope – Standard / Optional                    |
|  | Hydraulics           |  | Rope diameter                                 |
|  | Steering             |  | Rope length                                   |
|  | Tyres                |  | Maximum line pull                             |

# DIMENSIONS

MAC 25-3

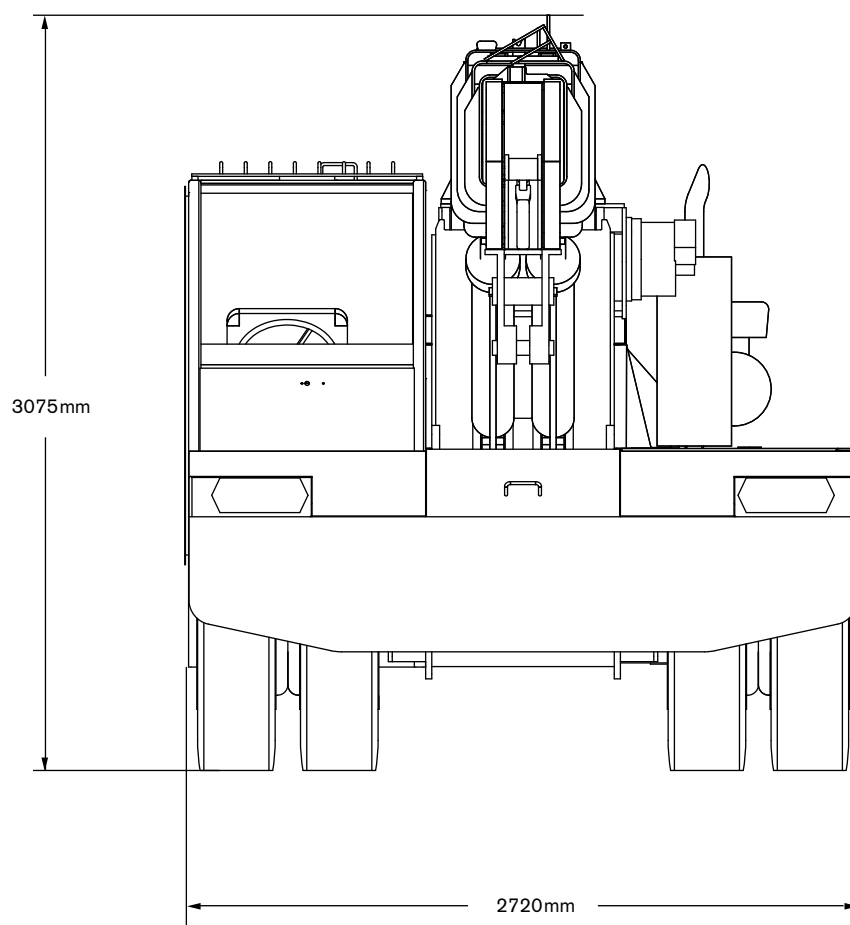
## Crane Dimensions



# DIMENSIONS

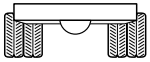
MAC 25-3

## Crane Dimensions

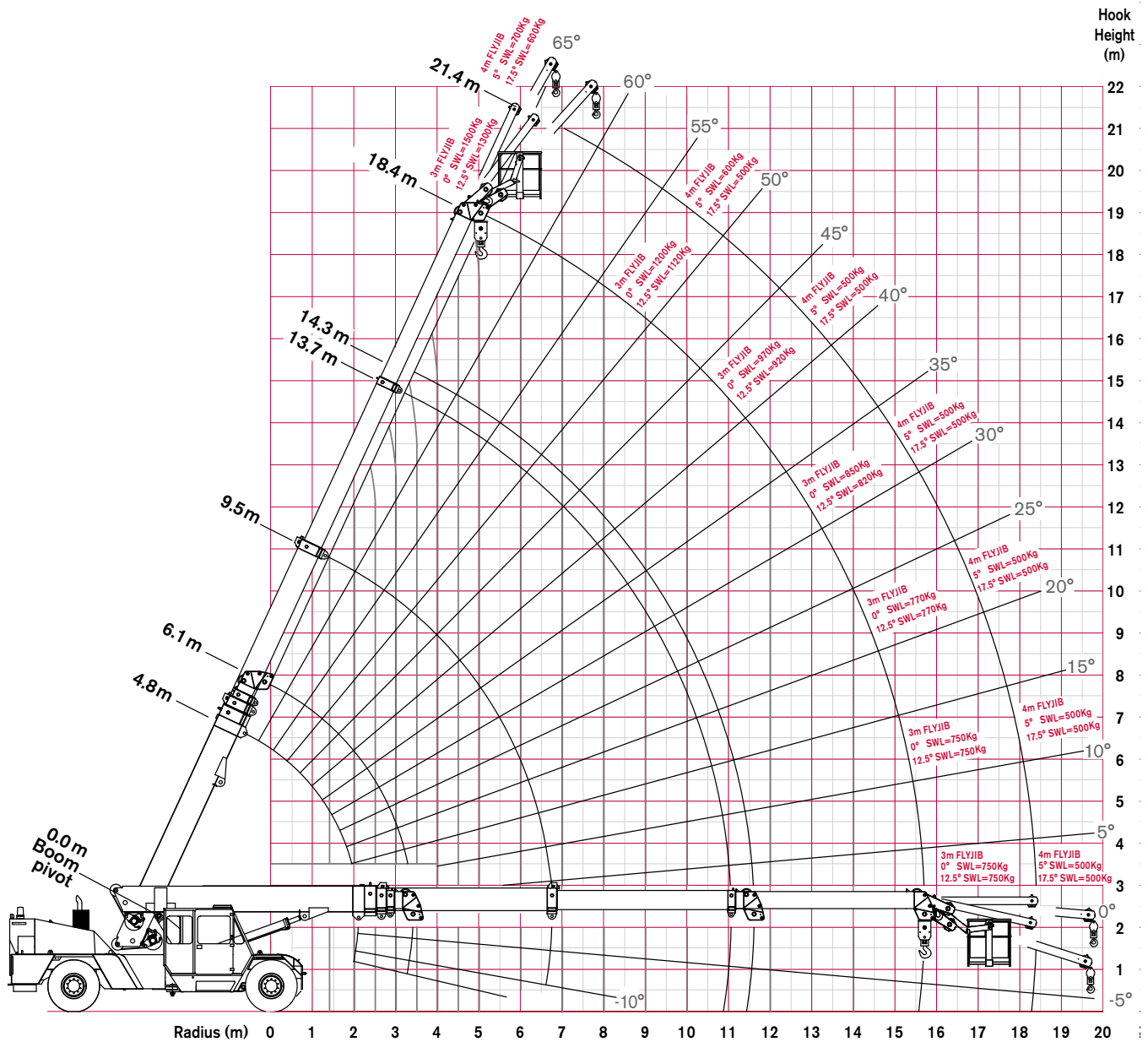


# RADIUS LOAD CHART

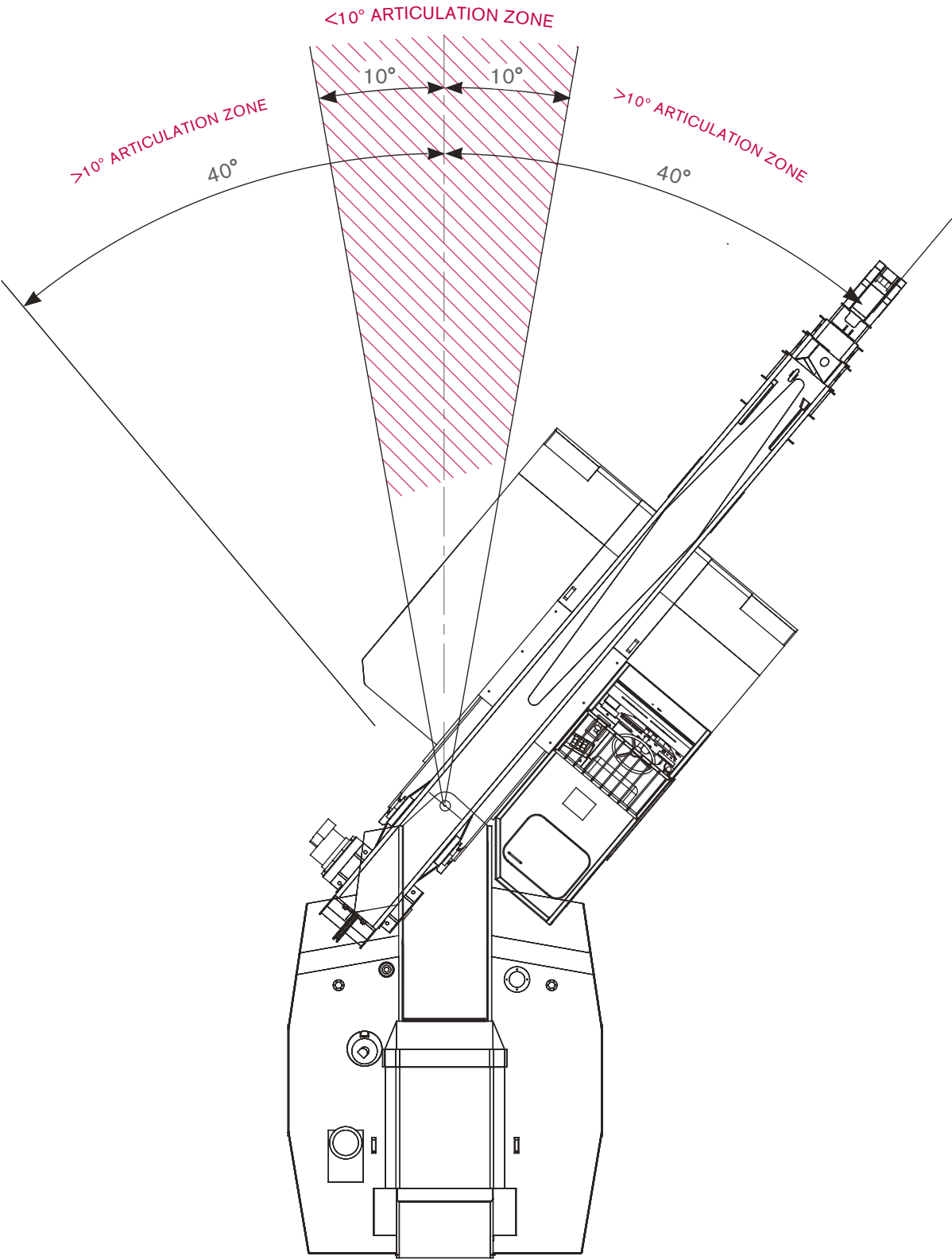
**MAC 25-3**



Pick & Carry 0.4m/s (1.44 km/h); On rubber 66.6%



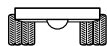
|                        |    |    |    |      |      |      |     |     |     |     |     |     |     |     |     |
|------------------------|----|----|----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SWL (tonnes) 10° ARTIC | 25 | 23 | 18 | 14.9 | 12.5 | 10.7 | 8.3 | 6.6 | 5.4 | 4.6 | 4.0 | 3.5 | 2.7 | 2.1 | 1.8 |
| SWL (tonnes) 40° ARTIC | 25 | 20 | 16 | 13.3 | 11.1 | 9.5  | 7.3 | 5.8 | 4.7 | 3.9 | 3.3 | 2.9 | 2.3 | 1.8 | 1.5 |



# LOAD CHART

MAC 25-3

## Fallblock, Front Counterweight, 3rd Boom Retracted



Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%



6.12–14.32 m

AS 1418.5

|  | Boom Length (m) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |  |       |
|-----------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------------------------------------------------------------------------------------|-------|
|                                                                                   | 6.12            | 6.50  | 7.00  | 7.50  | 8.00  | 8.50  | 9.00  | 9.50  | 10.00 | 10.50 | 11.00 | 11.50 | 12.00 | 12.50 | 13.00 | 13.50  | 14.32  |                                                                                     |       |
| m                                                                                 | kg              | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg     | kg     | m                                                                                   |       |
| 1.4                                                                               | 23900           | 23850 | 23750 | 23800 | 23800 | 23750 | 23750 | 23750 |       |       |       |       |       |       |       |        |        | 1.4                                                                                 |       |
|                                                                                   | 23750           | 22450 | 20950 | 19200 | 17750 | 16600 | 15600 | 14750 |       |       |       |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   | 48°             | 51°   | 54°   | 57°   | 59°   | 61°   | 63°   | 65°   |       |       |       |       |       |       |       |        |        |                                                                                     |       |
| 2.0                                                                               | 19950           | 19900 | 19850 | 19800 | 19750 | 19750 | 19700 | 19650 | 19650 | 19600 | 19300 |       |       |       |       |        |        | 2.0                                                                                 |       |
|                                                                                   | 17850           | 17850 | 17800 | 16850 | 15950 | 15150 | 14500 | 13750 | 13000 | 12350 | 11750 |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   | 40°             | 44°   | 48°   | 51°   | 54°   | 57°   | 59°   | 61°   | 62°   | 64°   | 65°   |       |       |       |       |        |        |                                                                                     |       |
| 2.5                                                                               | 15700           | 15650 | 15600 | 15600 | 15550 | 15500 | 15500 | 15450 | 15450 | 15400 | 15400 | 15350 | 14600 |       |       |        |        | 2.5                                                                                 |       |
|                                                                                   | 14000           | 14000 | 13950 | 13900 | 13900 | 13400 | 12800 | 12300 | 11800 | 11400 | 10950 | 10500 | 10050 |       |       |        |        |                                                                                     |       |
|                                                                                   | 32°             | 37°   | 42°   | 46°   | 50°   | 52°   | 55°   | 57°   | 59°   | 61°   | 62°   | 63°   | 65°   |       |       |        |        |                                                                                     |       |
| 3.0                                                                               | 12800           | 12800 | 12800 | 12750 | 12700 | 12700 | 12650 | 12650 | 12600 | 12600 | 12600 | 12550 | 12550 | 12550 | 12500 | 12250  |        | 3.0                                                                                 |       |
|                                                                                   | 11450           | 11400 | 11400 | 11350 | 11350 | 11300 | 11300 | 10950 | 10550 | 10150 | 9800  | 9500  | 9200  | 8950  | 8600  | 8300   |        |                                                                                     |       |
|                                                                                   | 21°             | 29°   | 35°   | 41°   | 45°   | 48°   | 51°   | 53°   | 55°   | 57°   | 59°   | 61°   | 62°   | 63°   | 64°   | 65°    |        |                                                                                     |       |
| 3.5                                                                               | 11050           | 10750 | 10750 | 10750 | 10700 | 10700 | 10650 | 10650 | 10600 | 10600 | 10600 | 10550 | 10550 | 10550 | 10500 | 10500  | 10500  | 3.5                                                                                 |       |
|                                                                                   | 9800            | 9550  | 9550  | 9550  | 9500  | 9500  | 9450  | 9450  | 9450  | 9150  | 8850  | 8550  | 8300  | 8050  | 7850  | 7650   | 7300   |                                                                                     |       |
|                                                                                   | (3.4)           | 17°   | 28°   | 34°   | 39°   | 43°   | 47°   | 49°   | 52°   | 54°   | 56°   | 58°   | 59°   | 61°   | 62°   | 63°    | 65°    |                                                                                     |       |
| 4.0                                                                               |                 | 9750  | 9200  | 9200  | 9200  | 9150  | 9150  | 9150  | 9100  | 9100  | 9100  | 9050  | 9050  | 9050  | 9050  | 9000   | 9000   | 4.0                                                                                 |       |
|                                                                                   |                 | 8650  | 8150  | 8150  | 8150  | 8150  | 8100  | 8100  | 8050  | 8050  | 8000  | 7750  | 7550  | 7350  | 7150  | 6950   | 6650   |                                                                                     |       |
|                                                                                   |                 | (3.8) | 17°   | 27°   | 33°   | 38°   | 42°   | 45°   | 48°   | 51°   | 53°   | 55°   | 56°   | 58°   | 59°   | 61°    | 62°    |                                                                                     |       |
| 5.0                                                                               |                 |       | 8450  | 7400  | 7050  | 7050  | 7050  | 7000  | 7000  | 7000  | 6950  | 6950  | 6950  | 6950  | 6950  | 6900   | 6900   | 5.0                                                                                 |       |
|                                                                                   |                 |       | 7450  | 6500  | 6200  | 6200  | 6200  | 6200  | 6150  | 6150  | 6150  | 6150  | 6100  | 6100  | 6000  | 5800   | 5600   |                                                                                     |       |
|                                                                                   |                 |       | (4.3) | (4.8) | 16°   | 25°   | 31°   | 36°   | 40°   | 43°   | 46°   | 48°   | 50°   | 52°   | 54°   | 56°    | 58°    |                                                                                     |       |
| 6.0                                                                               |                 |       |       |       | 6550  | 5850  | 5600  | 5600  | 5600  | 5600  | 5550  | 5550  | 5550  | 5550  | 5550  | 5500   | 5500   | 6.0                                                                                 |       |
|                                                                                   |                 |       |       |       | 5750  | 5100  | 4900  | 4900  | 4900  | 4900  | 4850  | 4850  | 4850  | 4850  | 4850  | 4850   | 4750   |                                                                                     |       |
|                                                                                   |                 |       |       |       | (5.3) | (5.8) | 15°   | 24°   | 30°   | 34°   | 38°   | 41°   | 44°   | 46°   | 48°   | 50°    | 53°    |                                                                                     |       |
| 7.0                                                                               |                 |       |       |       |       |       | 5250  | 4750  | 4550  | 4550  | 4550  | 4550  | 4550  | 4550  | 4550  | 4500   | 4500   | 7.0                                                                                 |       |
|                                                                                   |                 |       |       |       |       |       | 4600  | 4100  | 3950  | 3950  | 3950  | 3950  | 3950  | 3950  | 3950  | 3950   | 3900   |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       | (6.3) | (6.8) | 14°   | 23°   | 28°   | 33°   | 36°   | 39°   | 42°   | 44°    | 48°    |                                                                                     |       |
| 8.0                                                                               |                 |       |       |       |       |       |       |       | 4300  | 3900  | 3800  | 3800  | 3800  | 3800  | 3750  | 3750   | 3750   | 8.0                                                                                 |       |
|                                                                                   |                 |       |       |       |       |       |       |       | 3700  | 3400  | 3250  | 3250  | 3250  | 3250  | 3250  | 3250   | 3250   |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       | (7.3) | (7.8) | 14°   | 22°   | 27°   | 31°   | 35°   | 38°    | 42°    |                                                                                     |       |
| 9.0                                                                               |                 |       |       |       |       |       |       |       |       |       |       | 3600  | 3300  | 3200  | 3200  | 3200   | 3150   | 9.0                                                                                 |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       | 3100  | 2800  | 2700  | 2700  | 2700   | 2700   |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       | (8.3) | (8.8) | 13°   | 21°   | 26°    | 30°    |                                                                                     | 35°   |
| 10                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       | 3000  | 2800  | 2700   | 2700   | 10                                                                                  |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       | 2550  | 2350  | 2300   | 2300   |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       | (9.3) | (9.8) | 12°    | 20°    |                                                                                     | 28°   |
| 11                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2550   | 2350   | 2300                                                                                | 11    |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2150   | 2000   | 1950                                                                                |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       | (10.3) | (10.8) | 17°                                                                                 |       |
| 12                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | 2100                                                                                | 12    |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | 1750                                                                                |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | (11.6)                                                                              |       |
| 13                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     | 13    |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
| 14                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     | 14    |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
| 15                                                                                |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     | 15    |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
| 15.71                                                                             |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     | 15.71 |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |
|                                                                                   |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |                                                                                     |       |

- RC (kg) < than 10° articulation
- RC (kg) > than 10° articulation
- Boom angle
- Radius at 0° boom angle
- Loads above red line are structural

### Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and Rated Capacity Manual both supplied with the crane.

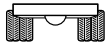


TEREX®

# LOAD CHART

MAC 25-3

## Fallblock, Front Counterweight, 3rd Boom Extending



Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%



14.50–18.42 m

AS 1418.5

|       | Boom Length (m) |        |        |        |        |        |        |        |        |       |
|-------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
|       | 14.50           | 15.00  | 15.50  | 16.00  | 16.50  | 17.00  | 17.50  | 18.00  | 18.42  |       |
| m     | kg              | kg     | kg     | kg     | kg     | kg     | kg     | kg     | kg     | m     |
| 1.4   |                 |        |        |        |        |        |        |        |        | 1.4   |
| 2.0   |                 |        |        |        |        |        |        |        |        | 2.0   |
| 2.5   |                 |        |        |        |        |        |        |        |        | 2.5   |
| 3.0   |                 |        |        |        |        |        |        |        |        | 3.0   |
| 3.5   | 10500           |        |        |        |        |        |        |        |        | 3.5   |
|       | 7250            |        |        |        |        |        |        |        |        |       |
|       | 65°             |        |        |        |        |        |        |        |        |       |
| 4.0   | 9000            | 9050   | 9100   |        |        |        |        |        |        | 4.0   |
|       | 6650            | 6500   | 6400   |        |        |        |        |        |        |       |
|       | 63°             | 64°    | 65°    |        |        |        |        |        |        |       |
| 5.0   | 6900            | 6950   | 7000   | 7050   | 7100   | 7100   | 7150   | 7200   |        | 5.0   |
|       | 5550            | 5500   | 5400   | 5350   | 5300   | 5200   | 5150   | 5100   |        |       |
|       | 58°             | 59°    | 61°    | 62°    | 63°    | 63°    | 64°    | 65°    |        |       |
| 6.0   | 5500            | 5550   | 5600   | 5650   | 5700   | 5700   | 5750   | 5750   | 5800   | 6.0   |
|       | 4750            | 4700   | 4650   | 4600   | 4550   | 4500   | 4450   | 4400   | 4350   |       |
|       | 53°             | 55°    | 56°    | 57°    | 58°    | 60°    | 61°    | 61°    | 62°    |       |
| 7.0   | 4500            | 4550   | 4600   | 4650   | 4650   | 4700   | 4750   | 4750   | 4800   | 7.0   |
|       | 3950            | 3950   | 4000   | 4000   | 3950   | 3900   | 3850   | 3850   | 3800   |       |
|       | 48°             | 50°    | 52°    | 53°    | 54°    | 56°    | 57°    | 58°    | 59°    |       |
| 8.0   | 3750            | 3800   | 3850   | 3900   | 3900   | 3950   | 4000   | 4000   | 4050   | 8.0   |
|       | 3250            | 3300   | 3350   | 3350   | 3400   | 3450   | 3400   | 3350   | 3350   |       |
|       | 43°             | 45°    | 47°    | 48°    | 50°    | 51°    | 53°    | 54°    | 55°    |       |
| 9.0   | 3200            | 3250   | 3250   | 3300   | 3350   | 3350   | 3400   | 3400   | 3450   | 9.0   |
|       | 2700            | 2750   | 2800   | 2850   | 2850   | 2900   | 2950   | 2950   | 2950   |       |
|       | 36°             | 39°    | 41°    | 43°    | 45°    | 47°    | 48°    | 50°    | 51°    |       |
| 10    | 2700            | 2750   | 2800   | 2850   | 2850   | 2900   | 2900   | 2950   | 2950   | 10    |
|       | 2300            | 2350   | 2400   | 2400   | 2450   | 2450   | 2500   | 2550   | 2550   |       |
|       | 29°             | 32°    | 35°    | 38°    | 40°    | 42°    | 44°    | 45°    | 47°    |       |
| 11    | 2350            | 2350   | 2400   | 2450   | 2450   | 2500   | 2550   | 2550   | 2600   | 11    |
|       | 1950            | 2000   | 2050   | 2050   | 2100   | 2100   | 2150   | 2200   | 2200   |       |
|       | 19°             | 24°    | 28°    | 31°    | 34°    | 37°    | 39°    | 41°    | 42°    |       |
| 12    | 2050            | 2050   | 2100   | 2100   | 2150   | 2200   | 2200   | 2250   | 2250   | 12    |
|       | 1700            | 1700   | 1750   | 1750   | 1800   | 1850   | 1850   | 1900   | 1900   |       |
|       | (11.8)          | 12°    | 19°    | 23°    | 27°    | 30°    | 33°    | 36°    | 37°    |       |
| 13    |                 | 1950   | 1850   | 1850   | 1850   | 1900   | 1950   | 1950   | 2000   | 13    |
|       |                 | 1600   | 1500   | 1500   | 1550   | 1600   | 1600   | 1650   | 1650   |       |
|       |                 | (12.3) | (12.8) | 11°    | 18°    | 23°    | 27°    | 30°    | 32°    |       |
| 14    |                 |        |        | 1750   | 1650   | 1650   | 1700   | 1700   | 1750   | 14    |
|       |                 |        |        | 1450   | 1350   | 1350   | 1400   | 1400   | 1450   |       |
|       |                 |        |        | (13.3) | (13.8) | 11°    | 18°    | 22°    | 25°    |       |
| 15    |                 |        |        |        |        | 1600   | 1500   | 1500   | 1550   | 15    |
|       |                 |        |        |        |        | 1300   | 1250   | 1250   | 1250   |       |
|       |                 |        |        |        |        | (14.3) | (14.8) | 11°    | 16°    |       |
| 15.71 |                 |        |        |        |        |        |        | 1450   | 1400   | 15.71 |
|       |                 |        |        |        |        |        |        | 1150   | 1100   |       |
|       |                 |        |        |        |        |        |        | (15.3) | (15.7) |       |

- RC (kg) < than 10° articulation
- RC (kg) > than 10° articulation
- Boom angle
- Radius at 0° boom angle
- Loads above red line are structural

### Notes to lifting capacity

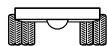
Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and Rated Capacity Manual both supplied with the crane.

# LOAD CHART

MAC 25-3

## Fallblock, Rear Counterweight, Third Boom Retracted



Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%



6.12–14.32 m

AS 1418.5

|       | Boom Length (m) |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
|       | 6.12            | 6.50  | 7.00  | 7.50  | 8.00  | 8.50  | 9.00  | 9.50  | 10.00 | 10.50 | 11.00 | 11.50 | 12.00 | 12.50 | 13.00  | 13.50  | 14.32  |       |
| m     | kg              | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg    | kg     | kg     | kg     | m     |
| 1.4   | 25000           | 25000 | 25000 | 25000 | 25000 | 25000 | 25000 | 25000 |       |       |       |       |       |       |        |        |        | 1.4   |
|       | 21750           | 20200 | 18550 | 17250 | 16150 | 15200 | 14400 | 13700 |       |       |       |       |       |       |        |        |        |       |
|       | 48°             | 51°   | 54°   | 57°   | 59°   | 61°   | 63°   | 65°   |       |       |       |       |       |       |        |        |        |       |
| 2.0   | 23000           | 22950 | 22850 | 22950 | 22900 | 22850 | 22800 | 22800 | 22150 | 19300 |       |       |       |       |        |        |        | 2.0   |
|       | 19850           | 18700 | 17500 | 16150 | 15000 | 14100 | 13300 | 12600 | 12000 | 11450 | 10950 |       |       |       |        |        |        |       |
|       | 40°             | 44°   | 48°   | 51°   | 54°   | 57°   | 59°   | 61°   | 62°   | 64°   | 65°   |       |       |       |        |        |        |       |
| 2.5   | 18200           | 18150 | 18150 | 18100 | 18050 | 18000 | 18000 | 17950 | 17950 | 17900 | 17750 | 15550 | 14600 |       |        |        |        | 2.5   |
|       | 16250           | 16250 | 15600 | 14700 | 13900 | 13200 | 12400 | 11750 | 11150 | 10650 | 10200 | 9800  | 9400  |       |        |        |        |       |
|       | 32°             | 37°   | 42°   | 46°   | 50°   | 52°   | 55°   | 57°   | 59°   | 61°   | 62°   | 63°   | 65°   |       |        |        |        |       |
| 3.0   | 14900           | 14900 | 14900 | 14850 | 14800 | 14800 | 14750 | 14750 | 14700 | 14700 | 14700 | 14350 | 13500 | 13000 | 12600  | 12250  |        | 3.0   |
|       | 13300           | 13300 | 13250 | 13250 | 12500 | 11900 | 11400 | 10900 | 10400 | 9900  | 9500  | 9100  | 8750  | 8450  | 8150   | 7850   |        |       |
|       | 21°             | 29°   | 35°   | 41°   | 45°   | 48°   | 51°   | 53°   | 55°   | 57°   | 59°   | 61°   | 62°   | 63°   | 64°    | 65°    |        |       |
| 3.5   | 12900           | 12550 | 12550 | 12500 | 12500 | 12500 | 12450 | 12450 | 12400 | 12400 | 12400 | 12350 | 12350 | 12150 | 11750  | 11400  | 10850  | 3.5   |
|       | 11450           | 11150 | 11150 | 11150 | 11100 | 10800 | 10300 | 9900  | 9500  | 9200  | 8800  | 8450  | 8150  | 7850  | 7600   | 7350   | 6950   |       |
|       | (3.4)           | 17°   | 28°   | 34°   | 39°   | 43°   | 47°   | 49°   | 52°   | 54°   | 56°   | 58°   | 59°   | 61°   | 62°    | 63°    | 65°    |       |
| 4.0   |                 | 11450 | 10800 | 10750 | 10750 | 10750 | 10700 | 10700 | 10650 | 10650 | 10650 | 10650 | 10600 | 10600 | 10600  | 10600  | 10100  | 4.0   |
|       |                 | 10150 | 9550  | 9550  | 9550  | 9550  | 9400  | 9000  | 8650  | 8350  | 8100  | 7850  | 7550  | 7300  | 7050   | 6850   | 6500   |       |
|       |                 | (3.8) | 17°   | 27°   | 33°   | 38°   | 42°   | 45°   | 48°   | 51°   | 53°   | 55°   | 56°   | 58°   | 59°    | 61°    | 62°    |       |
| 5.0   |                 |       | 9900  | 8700  | 8300  | 8300  | 8300  | 8250  | 8250  | 8250  | 8250  | 8200  | 8200  | 8200  | 8200   | 8200   | 8150   | 5.0   |
|       |                 |       | 8750  | 7700  | 7350  | 7300  | 7300  | 7300  | 7100  | 6850  | 6600  | 6400  | 6250  | 6100  | 5950   | 5650   |        |       |
|       |                 |       | (4.3) | (4.8) | 16°   | 25°   | 31°   | 36°   | 40°   | 43°   | 46°   | 48°   | 50°   | 52°   | 54°    | 56°    | 58°    |       |
| 6.0   |                 |       |       |       | 7700  | 6900  | 6650  | 6650  | 6650  | 6600  | 6600  | 6600  | 6600  | 6600  | 6600   | 6550   | 6550   | 6.0   |
|       |                 |       |       |       | 6800  | 6100  | 5850  | 5850  | 5800  | 5800  | 5800  | 5700  | 5550  | 5350  | 5200   | 5100   | 4900   |       |
|       |                 |       |       |       | (5.3) | (5.8) | 15°   | 24°   | 30°   | 34°   | 38°   | 41°   | 44°   | 46°   | 48°    | 50°    | 53°    |       |
| 7.0   |                 |       |       |       |       |       | 6250  | 5650  | 5450  | 5450  | 5450  | 5450  | 5450  | 5450  | 5400   | 5400   | 5400   | 7.0   |
|       |                 |       |       |       |       |       | 5450  | 4950  | 4750  | 4750  | 4750  | 4750  | 4750  | 4700  | 4550   | 4450   | 4250   |       |
|       |                 |       |       |       |       |       | (6.3) | (6.8) | 14°   | 23°   | 28°   | 33°   | 36°   | 39°   | 42°    | 44°    | 48°    |       |
| 8.0   |                 |       |       |       |       |       |       |       | 5150  | 4700  | 4550  | 4550  | 4550  | 4550  | 4550   | 4550   | 4550   | 8.0   |
|       |                 |       |       |       |       |       |       |       | 4500  | 4100  | 3950  | 3950  | 3950  | 3950  | 3950   | 3900   | 3750   |       |
|       |                 |       |       |       |       |       |       |       | (7.3) | (7.8) | 14°   | 22°   | 27°   | 31°   | 35°    | 38°    | 42°    |       |
| 9.0   |                 |       |       |       |       |       |       |       |       |       | 4350  | 4000  | 3900  | 3900  | 3900   | 3900   | 3850   | 9.0   |
|       |                 |       |       |       |       |       |       |       |       |       | 3750  | 3450  | 3350  | 3350  | 3350   | 3350   | 3350   |       |
|       |                 |       |       |       |       |       |       |       |       |       | (8.3) | (8.8) | 13°   | 21°   | 26°    | 30°    | 35°    |       |
| 10    |                 |       |       |       |       |       |       |       |       |       |       |       | 3700  | 3400  | 3350   | 3350   | 3350   | 10    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       | 3150  | 2950  | 2850   | 2850   | 2850   |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       | (9.3) | (9.8) | 12°    | 20°    | 28°    |       |
| 11    |                 |       |       |       |       |       |       |       |       |       |       |       |       |       | 3200   | 2950   | 2900   | 11    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       | 2700   | 2500   | 2450   |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       | (10.3) | (10.8) | 17°    |       |
| 12    |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | 2650   | 12    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | 2200   |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        | (11.6) |       |
| 13    |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        | 13    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
| 14    |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        | 14    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
| 15    |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        | 15    |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
| 15.71 |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        | 15.71 |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |
|       |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |       |

- RC (kg) < than 10° articulation
- RC (kg) > than 10° articulation
- Boom angle
- Radius at 0° boom angle
- Loads above red line are structural

### Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and Rated Capacity Manual both supplied with the crane.

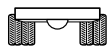


TEREX®

# LOAD CHART

MAC 25-3

## Fallblock, Rear Counterweight, Third Boom Extending



Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%



14.50–18.42 m

AS 1418.5

| m     | Boom Length (m) |        |        |        |        |        |        |        |        | m     |
|-------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
|       | 14.50           | 15.00  | 15.50  | 16.00  | 16.50  | 17.00  | 17.50  | 18.00  | 18.42  |       |
| kg    | kg              | kg     | kg     | kg     | kg     | kg     | kg     | kg     | kg     |       |
| 1.4   |                 |        |        |        |        |        |        |        |        | 1.4   |
| 2.0   |                 |        |        |        |        |        |        |        |        | 2.0   |
| 2.5   |                 |        |        |        |        |        |        |        |        | 2.5   |
| 3.0   |                 |        |        |        |        |        |        |        |        | 3.0   |
| 3.5   | 10750           |        |        |        |        |        |        |        |        | 3.5   |
|       | 6900            |        |        |        |        |        |        |        |        |       |
|       | 65°             |        |        |        |        |        |        |        |        |       |
| 4.0   | 10050           | 9850   | 9650   |        |        |        |        |        |        | 4.0   |
|       | 6450            | 6300   | 6150   |        |        |        |        |        |        |       |
|       | 63°             | 64°    | 65°    |        |        |        |        |        |        |       |
| 5.0   | 8200            | 8200   | 8250   | 8300   | 8250   | 8150   | 8000   | 7900   |        | 5.0   |
|       | 5600            | 5500   | 5400   | 5300   | 5200   | 5100   | 5050   | 4950   |        |       |
|       | 58°             | 59°    | 61°    | 62°    | 63°    | 63°    | 64°    | 65°    |        |       |
| 6.0   | 6550            | 6600   | 6650   | 6700   | 6750   | 6750   | 6800   | 6800   | 6850   | 6.0   |
|       | 4850            | 4800   | 4750   | 4650   | 4600   | 4550   | 4450   | 4400   | 4350   |       |
|       | 53°             | 55°    | 56°    | 57°    | 58°    | 60°    | 61°    | 61°    | 62°    |       |
| 7.0   | 5400            | 5450   | 5500   | 5550   | 5550   | 5600   | 5650   | 5650   | 5700   | 7.0   |
|       | 4250            | 4200   | 4150   | 4100   | 4050   | 4000   | 3950   | 3900   | 3850   |       |
|       | 48°             | 50°    | 52°    | 53°    | 54°    | 56°    | 57°    | 58°    | 59°    |       |
| 8.0   | 4550            | 4600   | 4650   | 4650   | 4700   | 4750   | 4750   | 4800   | 4800   | 8.0   |
|       | 3750            | 3700   | 3650   | 3600   | 3600   | 3550   | 3500   | 3500   | 3450   |       |
|       | 43°             | 45°    | 47°    | 48°    | 50°    | 51°    | 53°    | 54°    | 55°    |       |
| 9.0   | 3900            | 3900   | 3950   | 4000   | 4050   | 4050   | 4100   | 4100   | 4150   | 9.0   |
|       | 3350            | 3300   | 3250   | 3200   | 3200   | 3150   | 3150   | 3100   | 3100   |       |
|       | 36°             | 39°    | 41°    | 43°    | 45°    | 47°    | 48°    | 50°    | 51°    |       |
| 10    | 3350            | 3400   | 3400   | 3450   | 3500   | 3500   | 3550   | 3550   | 3600   | 10    |
|       | 2850            | 2900   | 2900   | 2900   | 2850   | 2850   | 2800   | 2800   | 2750   |       |
|       | 29°             | 32°    | 35°    | 38°    | 40°    | 42°    | 44°    | 45°    | 47°    |       |
| 11    | 2900            | 2950   | 3000   | 3000   | 3050   | 3050   | 3100   | 3150   | 3150   | 11    |
|       | 2450            | 2500   | 2550   | 2550   | 2600   | 2550   | 2550   | 2500   | 2500   |       |
|       | 19°             | 24°    | 28°    | 31°    | 34°    | 37°    | 39°    | 41°    | 42°    |       |
| 12    | 2600            | 2550   | 2600   | 2650   | 2650   | 2700   | 2750   | 2750   | 2800   | 12    |
|       | 2150            | 2150   | 2200   | 2250   | 2250   | 2300   | 2300   | 2300   | 2300   |       |
|       | (11.8)          | 12°    | 19°    | 23°    | 27°    | 30°    | 33°    | 36°    | 37°    |       |
| 13    |                 | 2450   | 2350   | 2300   | 2350   | 2400   | 2400   | 2450   | 2450   | 13    |
|       |                 | 2050   | 1950   | 1950   | 2000   | 2000   | 2050   | 2050   | 2100   |       |
|       |                 | (12.3) | (12.8) | 11°    | 18°    | 23°    | 27°    | 30°    | 32°    |       |
| 14    |                 |        |        | 2200   | 2100   | 2100   | 2150   | 2150   | 2200   | 14    |
|       |                 |        |        | 1850   | 1750   | 1750   | 1800   | 1800   | 1850   |       |
|       |                 |        |        | (13.3) | (13.8) | 11°    | 18°    | 22°    | 25°    |       |
| 15    |                 |        |        |        |        | 2050   | 1950   | 1950   | 1950   | 15    |
|       |                 |        |        |        |        | 1700   | 1600   | 1600   | 1650   |       |
|       |                 |        |        |        |        | (14.3) | (14.8) | 11°    | 16°    |       |
| 15.71 |                 |        |        |        |        |        |        | 1850   | 1800   | 15.71 |
|       |                 |        |        |        |        |        |        | 1550   | 1500   |       |
|       |                 |        |        |        |        |        |        | (15.3) | (15.7) |       |

- RC (kg) < than 10° articulation
- RC (kg) > than 10° articulation
- Boom angle
- Radius at 0° boom angle
- Loads above red line are structural

### Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

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# TECHNICAL DESCRIPTION

**MAC 25-3**

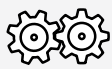
## Boom and Jib

|                                                                                   |                                                                        |            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|------------|
|  | <b>Four section boom:</b><br>Main boom and three powered sections      |            |
|  | Maximum hook height                                                    | 18 m       |
|  | Boom elevation angle range (min. / max.)                               | -10° / 65° |
|  | Maximum hook height with jib                                           | 22 m       |
|  | 40° articulation each side of centre providing a total 80° slewing arc | 80°        |
|                                                                                   | Machinery hook                                                         | 15 tonne   |

## Winch

|                                                                                     |                                                                                                       |                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------|
|  | <b>Winch:</b><br>Fully compensated hook height when telescoping boom 1 and 2<br>Anti two-block system |                     |
|  | Maximum line pull                                                                                     | 4.2 tonne           |
|  | Two speed winch                                                                                       | 41 m/min / 82 m/min |
|  | Hook block, two, four, or six part, maximum rated capacity                                            | 25 tonne            |

## Engine and Transmission

|                                                                                     |                                                                                                                                       |                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|  | Mercedes OM 906 EUROMOT 3a turbo charged and intercooled diesel engine with hinged engine cover and mid cover for easy serviceability | 205 kW            |
|                                                                                     | Engine torque                                                                                                                         | 1100 Nm           |
|                                                                                     | Fuel capacity                                                                                                                         | 440 l             |
|                                                                                     | Fuel type                                                                                                                             | diesel            |
|  | Allison 3000                                                                                                                          | 6-speed automatic |
|                                                                                     | <b>Transfer Case:</b><br>Styer VG 750 2:1 ratio<br>High/low range via airshift<br>2WD/4WD via airshift, disconnect to rear axle       |                   |

# TECHNICAL DESCRIPTION

MAC 25-3

## Hydraulic System



### Hydraulic Pump:

Load sensing axial piston  
Maximum pump flow rate  
Maximum working pressure

150 litre/min  
250 bar

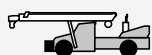
Hydraulic tank with top mounted return and in-tank suction filters

380 l

## Chassis

### Drive axles:

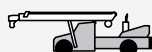
Kessler D71 PL477 heavy duty high speed planetary axle  
Front axle fitted with driver selectable diff lock and reinforced for pick and carry operation



### Removable counterweight on front:

Front axle  
Rear axle

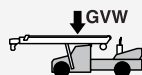
11,900 kg  
12,000 kg



### Removable counterweight on rear:

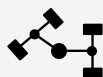
Front axle  
Rear axle

9,900 kg  
14,000 kg



### Total:

23,900 kg



Full power Orbitrol with twin hydraulic double acting rams  
Priority flow from main pump supply plus electro-hydraulic emergency supply  
Turning Circle: Outside wheels radius

7.9 m

### Brakes:

Air operated high capacity  
Large wedge style twin circuit service and spring applied park brakes on both front and rear axles  
Crane operation hold brake on right side front wheel  
Driver selectable engine exhaust brake is available in all gears - automatically selects converter lockup

### Suspension:

Two semi-elliptic springs on front and rear axle with automatic hydraulic spring lockouts on front axle

## Tyres

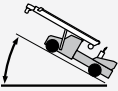


14.00 x 20 bias ply duals  
20 in x 10 in heavy duty ISO 10 stud 335 PCD spigot mount rims

# TECHNICAL DESCRIPTION

**MAC 25-3**

## Vehicle performance

|                                                                                   |                            |        |
|-----------------------------------------------------------------------------------|----------------------------|--------|
|  | Maximum rated travel speed | 75 kph |
|  | Gradeability               | 45%    |

## Cab, Controls, and Operator aids

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>Two person, insulated lock up cabin:</b></p> <ul style="list-style-type: none"><li>KAB suspension driver's and passenger seats, including retracting seat belts</li><li>Colour LCD display</li><li>Radio/CD player with Bluetooth handsfree</li><li>Reversing camera</li><li>Centralised greasing</li><li>Cruise control</li><li>Engine monitoring</li><li>Service diagnostics</li></ul> |
|  | 3B6 rated capacity indicator with audio/visual overload pre-warning and motion cut-outs                                                                                                                                                                                                                                                                                                        |
|  | 3 pilot control levers for crane functions                                                                                                                                                                                                                                                                                                                                                     |
|  | Air conditioned and heated                                                                                                                                                                                                                                                                                                                                                                     |



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Brochure Reference: TC-DS-M-E-MAC25-3-09/11



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