



# Ultra Hight Demolition

Technical Supplement

# A Dynamic and Complex Business



Demolition has changed. It has become a dynamic and increasingly complex business. Today there are few demolition jobs where buildings can simply be knocked, pulled or blown down using traditional tools. What's more, contract periods are becoming shorter, legislation is stricter, environmental pressure is increasing and skilled labour is harder to find. As a consequence, demolition contractors are looking for the most efficient, cost effective and safe methods of deconstructing buildings and structures.

# Reliability

## Upper Frame and Counterweight

Purposely designed and built for extreme conditions.

### Reinforced upper frame

The heavy-duty reinforced upper frames of the CAT UHD models are designed to withstand the extreme load conditions of demolition applications. Compared to a standard upper frame, several additional plates provide the durability and strength required in these environments.



# Operator Comfort and Safety

## Hydraulically tiltable cab

The hydraulically tiltable cab tilts back to further improve upward visibility and to allow the operator to adopt a more comfortable body position. The tiltable cab is integrated into the upper frame and therefore does not increase the machine's shipping height. Moreover, because of the integration into the upper frame, no tilt parts are exposed to the demolition environment. To reduce vibrations and sound, the cab shell is attached to the frame with viscous mounts.

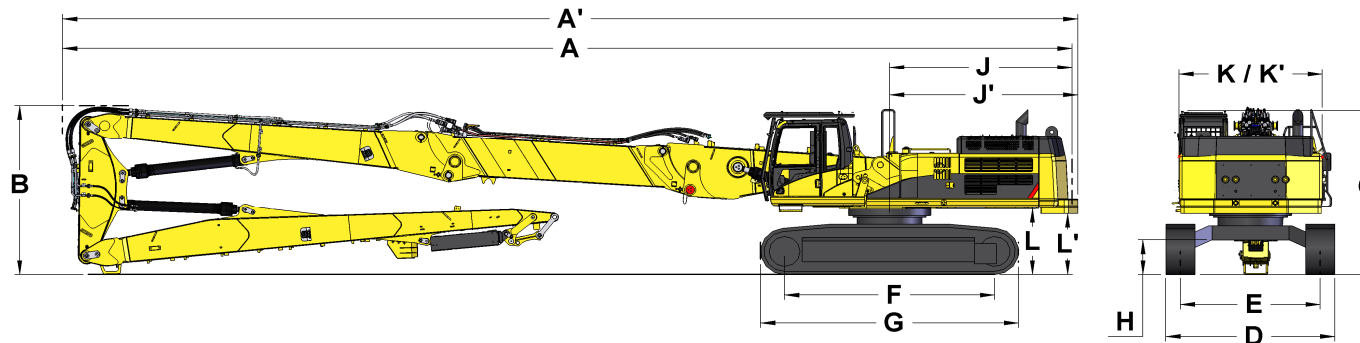
## Automatic climate control

Fully automatic climate control adjusts temperature and flow and determines which air outlet is best in each situation.



# Dimensions and Weights - UHD Configuration

DEM70 with ultra-high demolition front - All dimensions and weights are approximate.



| Configuration                                    | 26 m (without extension) |       | 29 m (with 3m extension) |       | 31 m (with 5m extension) |       |       |      |
|--|--------------------------|-------|--------------------------|-------|--------------------------|-------|-------|------|
|  | LVG                      | HVG   | LVG                      | HVG   | LVG                      | HVG   |       |      |
| <b>A</b> Shipping length                         | mm                       | 15860 | 15860                    | 18855 | 18855                    | 20850 | 20850 |      |
| <b>A'</b> With additionnal counterweight 3000 kg | mm                       | 16040 | 16040                    | 19035 | 19035                    | 21030 | 21030 |      |
| <b>B</b> Boom height                             | mm                       | 3650  | 3650                     | 3650  | 3650                     | 3650  | 3650  |      |
| <b>C</b> Cab height *                            | mm                       | 3570  | 3547                     | 3570  | 3547                     | 3570  | 3547  |      |
| <b>D</b> Overall width **                        | with 600 mm shoes        | mm    | 2990                     | 3000  | 2990                     | 3000  | 2990  | 3000 |
|  | with 750 mm shoes        | mm    | 3140                     | 3150  | 3140                     | 3150  | 3140  | 3150 |
| <b>E</b> Track gauge                             | Fully retracted          | mm    | 2390                     | 2400  | 2390                     | 2400  | 2390  | 2400 |
|  | Fully extended           | mm    | 2890                     | 3010  | 2890                     | 3010  | 2890  | 3010 |
| <b>F</b> Length to the center of roller          | mm                       | 4340  | 4340                     | 4340  | 4340                     | 4340  | 4340  |      |
| <b>G</b> Tracks length                           | mm                       | 5330  | 5330                     | 5330  | 5330                     | 5330  | 5330  |      |
| <b>H</b> Ground clearance                        | mm                       | 740   | 460                      | 740   | 460                      | 740   | 460   |      |
| <b>J</b> Swing radius                            | mm                       | 3770  | 3770                     | 3770  | 3770                     | 3770  | 3770  |      |
| <b>J'</b> With additionnal counterweight 3000 kg | mm                       | 3950  | 3950                     | 3950  | 3950                     | 3950  | 3950  |      |
| <b>K</b> Body width                              | mm                       | 2980  | 2980                     | 2980  | 2980                     | 2980  | 2980  |      |
| <b>K'</b> With bumpers                           | mm                       | 3110  | 3110                     | 3110  | 3110                     | 3110  | 3110  |      |
| <b>L</b> Under counterweight height              | mm                       | 1435  | 1412                     | 1435  | 1412                     | 1435  | 1412  |      |
| <b>L'</b> With additionnal counterweight 3000 kg | mm                       | 1305  | 1282                     | 1305  | 1282                     | 1305  | 1282  |      |
| Weight ***                                       | kg                       | 55950 | 61900                    | 57850 | 63800                    | 58450 | 64400 |      |
| With additionnal counterweight 3000 kg           | kg                       | 58950 | 64900                    | 60850 | 66800                    | 61450 | 67400 |      |

\* With Falling Object Guard (FOG) and tiltable cab

\*\* With tracks fully retracted, if applicable.

\*\*\* With ultra-high demolition front parts, undercarriage, tiltable cab, FOG and full fuel tank

**LVG**

DEM70 with Long undercarriage

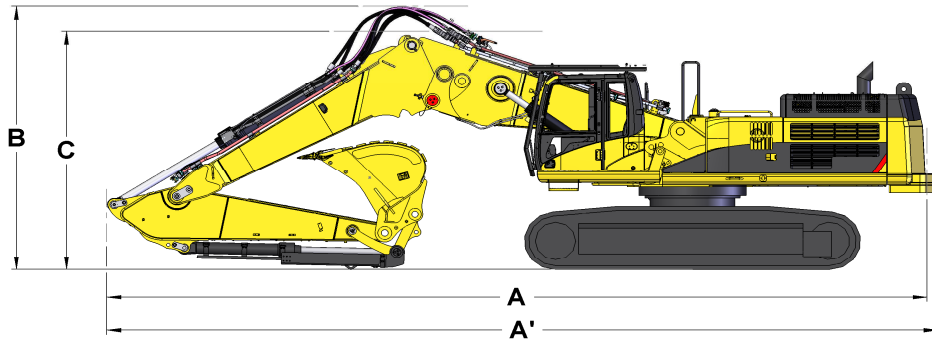
**HVG**

DEM70 with Hydraulic Variable Gauge

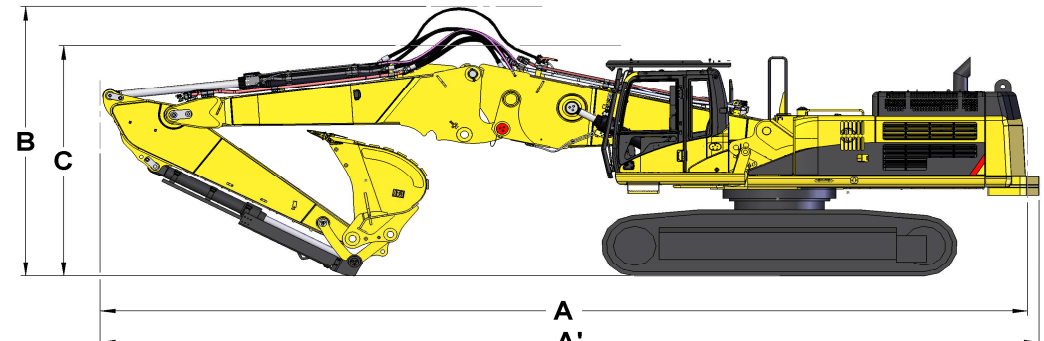
# Dimensions and Weights - Retrofit Configurations

DEM70 with retrofit boom in straight and bent position - All dimensions and weights are approximate.

DEM70 with retrofit boom in bent position



DEM70 with retrofit boom in straight position



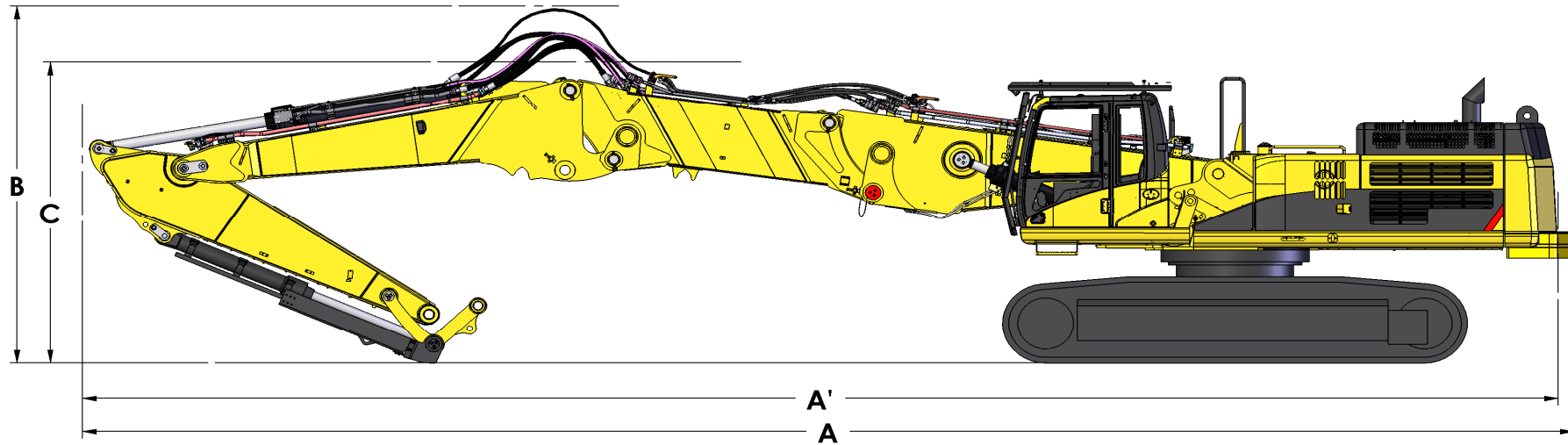
|           |  |                |       |
|-----------|--|----------------|-------|
|           | Stick length   | mm             | 3400  |
|           | Bucket capacity  | m <sup>3</sup> | 2,05  |
| <b>A</b>  | Shipping length*   |                |       |
|           | Straight position  | mm             | 13900 |
|           | Bent position  | mm             | 13000 |
| <b>A'</b> | With additionnal counterweight 3000 kg                           |                |       |
|           | Straight position  | mm             | 14080 |
|           | Bent position  | mm             | 13180 |
| <b>B</b>  | Shipping height for LVG and HVG with hydraulic hose connected    |                |       |
|           | Straight position  | mm             | 4375  |
|           | Bent position  | mm             | 4450  |
| <b>C</b>  | Shipping height for LVG and HVG with hydraulic hose disconnected |                |       |
|           | Straight position  | mm             | 3750  |
|           | Bent position  | mm             | 4080  |
|           | Operating weight with retrofit boom nose**                       |                |       |
|           | LVG undercarriage  | kg             | 55300 |
|           | HVG undercarriage  | kg             | 61255 |
|           | With additionnal counterweight 3000 kg                           |                |       |
|           | LVG undercarriage  | kg             | 58300 |
|           | HVG undercarriage  | kg             | 64255 |

\* With stick cylinder extended. Retracting the stick cylinder might decrease the shipping height but will increase shipping length.

\*\* With 2191 kg bucket (2,05 m<sup>3</sup>)

# Dimensions and Weights - Retrofit Configurations

DEM70 with retrofit boom in straight and 3m extension - All dimensions and weights are approximate.



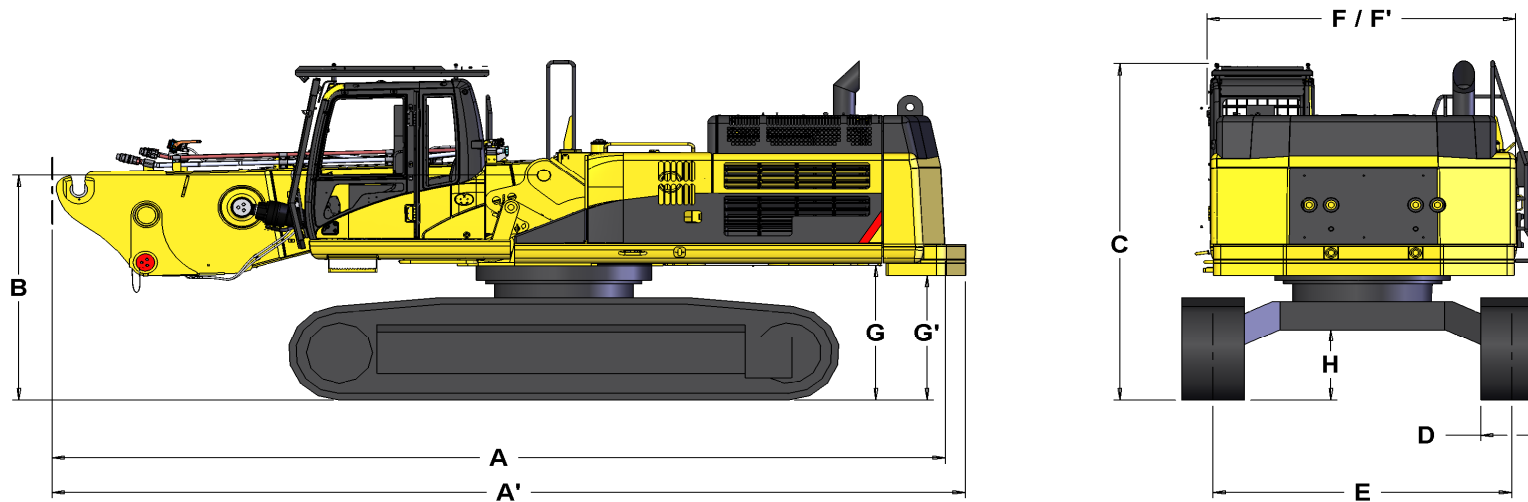
|           |  |    |       |
|-----------|--|----|-------|
|           | Stick length   | mm | 3400  |
|           | Extension  | mm | 3000  |
| <b>A</b>  | Shipping length*   |    |       |
|           | Straight position  | mm | 16915 |
| <b>A'</b> | With additionnal counterweight 3000 kg                           |    |       |
|           | Straight position  | mm | 17095 |
| <b>B</b>  | Shipping height for LVG and HVG with hydraulic hose connected    |    |       |
|           | Straight position  | mm | 4560  |
| <b>C</b>  | Shipping height for LVG and HVG with hydraulic hose disconnected |    |       |
|           | Straight position  | mm | 3760  |
|           | Operating weight with retrofit boom nose**                       |    |       |
|           | LVG undercarriage  | kg | 55000 |
|           | HVG undercarriage  | kg | 60955 |
|           | With additionnal counterweight 3000 kg                           |    |       |
|           | LVG undercarriage  | kg | 58000 |
|           | HVG undercarriage  | kg | 63955 |

\* With stick cylinder extended. Retracting the stick cylinder might decrease the shipping height but will increase shipping length.

\*\* Without tool

# Dimensions and Weights - Base machine

DEM70 with boom cylinders and boom foot - All dimensions and weights are approximate.



| Undercarriage                                  |                                       |    | LVG       | HVG       |
|--|---------------------------------------|----|-----------|-----------|
| A  | Length                                | mm | 8640      | 8640      |
| A'   | With additional counterweight 3000 kg | mm | 8820      | 8820      |
| B  | Boom height                           | mm | 2390      | 2367      |
| C  | Height with overhead guard            | mm | 3570      | 3547      |
| D  | Track shoe width                      | mm | 600 / 750 | 600 / 750 |
| E  | Narrow gauge                          | mm | 2390      | 2400      |
|  | Working gauge                         | mm | 2890      | 3010      |
| F  | Body width                            | mm | 2980      | 2980      |
| F'   | With bumpers                          | mm | 3110      | 3110      |
| G  | Under counterweight height            | mm | 1435      | 1412      |
| G'   | With additional counterweight 3000 kg | mm | 1305      | 1282      |
| H  | Ground clearance                      | mm | 740       | 460       |
| Weight*  |                                       | kg | 47175     | 53130     |
| Weight* with additionnal counterweight 3000 kg |                                       | kg | 50175     | 56130     |

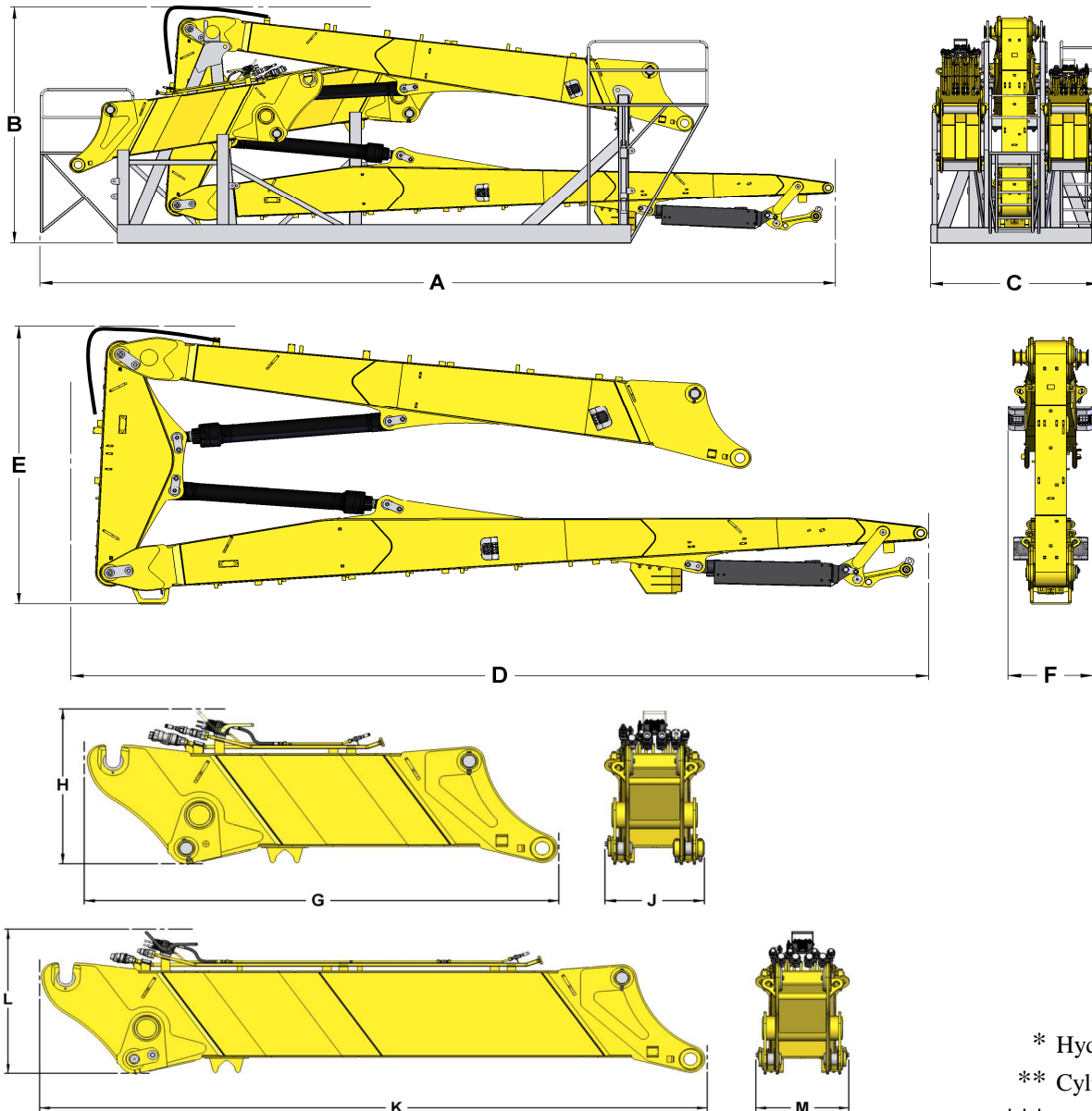
\* Hydraulic lines included and boom cylinders fully retracted

**LVG**  
**HVG**

DEM70 with Long undercarriage  
DEM70 with Hydraulic Variable Gauge

# Dimensions and Weights - Front Parts

DEM70 Ultra-High Demolition front parts - All dimensions and weights are approximate.



## UHD front parts and support

|                                       |                      |    |       |
|---------------------------------------|----------------------|----|-------|
| <b>A</b>                              | UHD support length   | mm | 11850 |
| <b>B</b>                              | UHD support height * | mm | 3800  |
| <b>C</b>                              | UHD support width    | mm | 2500  |
| UHD front parts and support weight ** |                      | kg | 16020 |

## UHD front parts

|                           |                          |    |       |
|---------------------------|--------------------------|----|-------|
| <b>D</b>                  | UHD front parts length   | mm | 10250 |
| <b>E</b>                  | UHD front parts height * | mm | 3625  |
| <b>F</b>                  | UHD front parts width    | mm | 1050  |
| UHD front parts weight ** |                          | kg | 8720  |
| UHD boom nose weight ***  |                          | kg | 2650  |
| UHD fore boom weight ***  |                          | kg | 1060  |
| UHD stick weight ***      |                          | kg | 2550  |

## 3m extension

|                             |                         |    |      |
|-----------------------------|-------------------------|----|------|
| <b>G</b>                    | UHD 3m extension Length | mm | 4000 |
| <b>H</b>                    | UHD 3m extension Height | mm | 1400 |
| <b>J</b>                    | UHD 3m extension Width  | mm | 870  |
| UHD 3m extension weight *** |                         | kg | 1900 |

## 5m extension

|                             |                         |    |      |
|-----------------------------|-------------------------|----|------|
| <b>K</b>                    | UHD 5m extension Length | mm | 6000 |
| <b>L</b>                    | UHD 5m extension Height | mm | 1400 |
| <b>M</b>                    | UHD 5m extension Width  | mm | 870  |
| UHD 5m extension weight *** |                         | kg | 2500 |

\* Hydraulic lines included

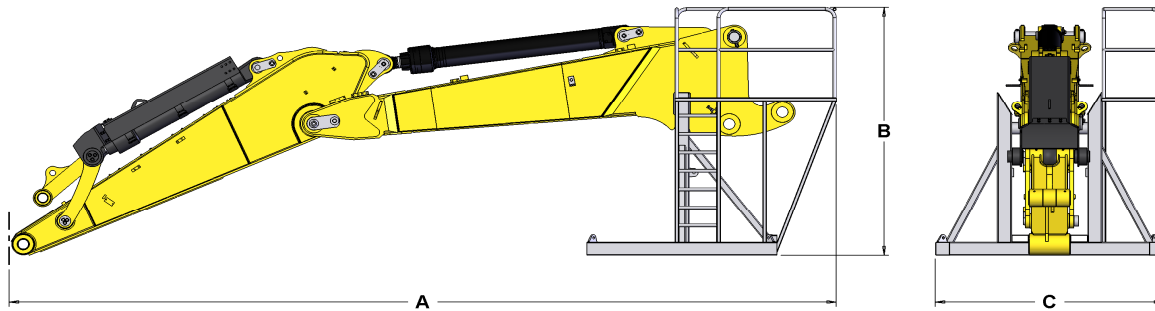
\*\* Cylinders and hydraulic lines included

\*\*\* Cylinders not included



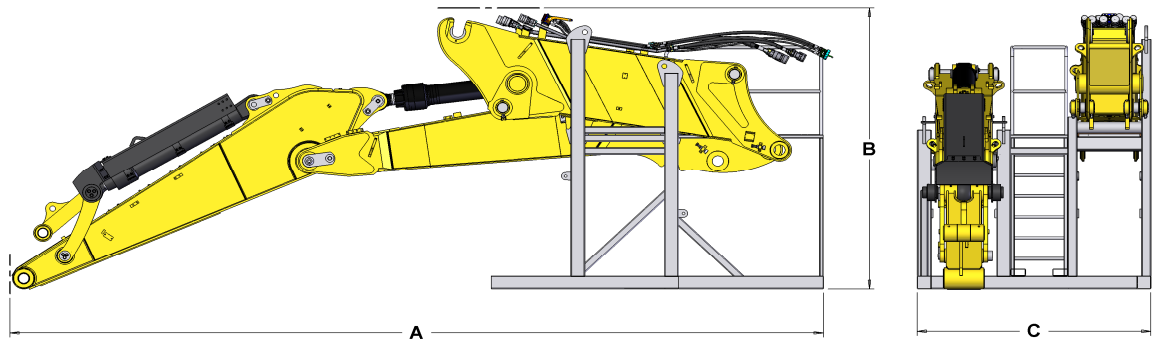
# Dimensions and Weights - Front Parts

DEM70 retrofit front parts - All dimensions and weights are approximate.



## Retrofit front parts and support

|  |                           |    |      |
|--|---------------------------|----|------|
| <b>A</b>                                   | Retrofit support length * | mm | 8700 |
| <b>B</b>                                   | Retrofit support height   | mm | 2830 |
| <b>C</b>                                   | Retrofit support width    | mm | 2400 |
| Retrofit front parts and support weight ** |                           | kg | 7000 |
| Retrofit boom nose weight ***              |                           | kg | 2680 |
| Retrofit stick weight ***                  |                           | kg | 1900 |
| Retrofit support weight                    |                           | kg | 550  |



## Retrofit front parts, 3m extension, support

|  |                           |    |      |
|--|---------------------------|----|------|
| <b>A</b>                                   | Retrofit support length * | mm | 8700 |
| <b>B</b>                                   | Retrofit support height   | mm | 3260 |
| <b>C</b>                                   | Retrofit support width    | mm | 2500 |
| Retrofit front parts and support weight ** |                           | kg | 9220 |
| Retrofit boom nose weight ***              |                           | kg | 2680 |
| Retrofit stick weight ***                  |                           | kg | 1900 |
| UHD 3m extension weight ***                |                           | kg | 1900 |
| Retrofit support weight                    |                           | kg | 870  |

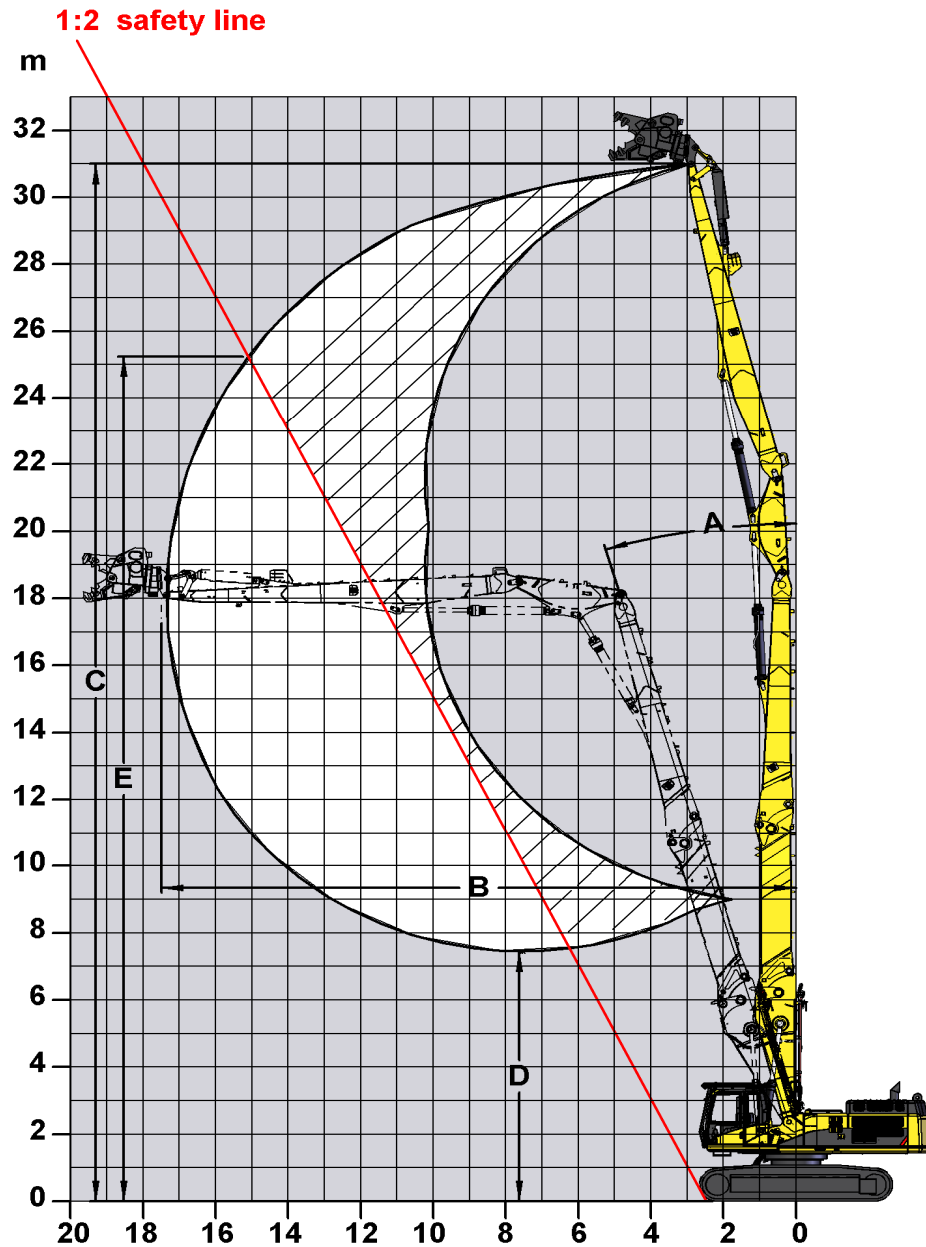
\* Without bucket

\*\* Cylinders and hydraulic lines included (without bucket)

\*\*\* Cylinders not included

# Working Ranges - UHD Configurations

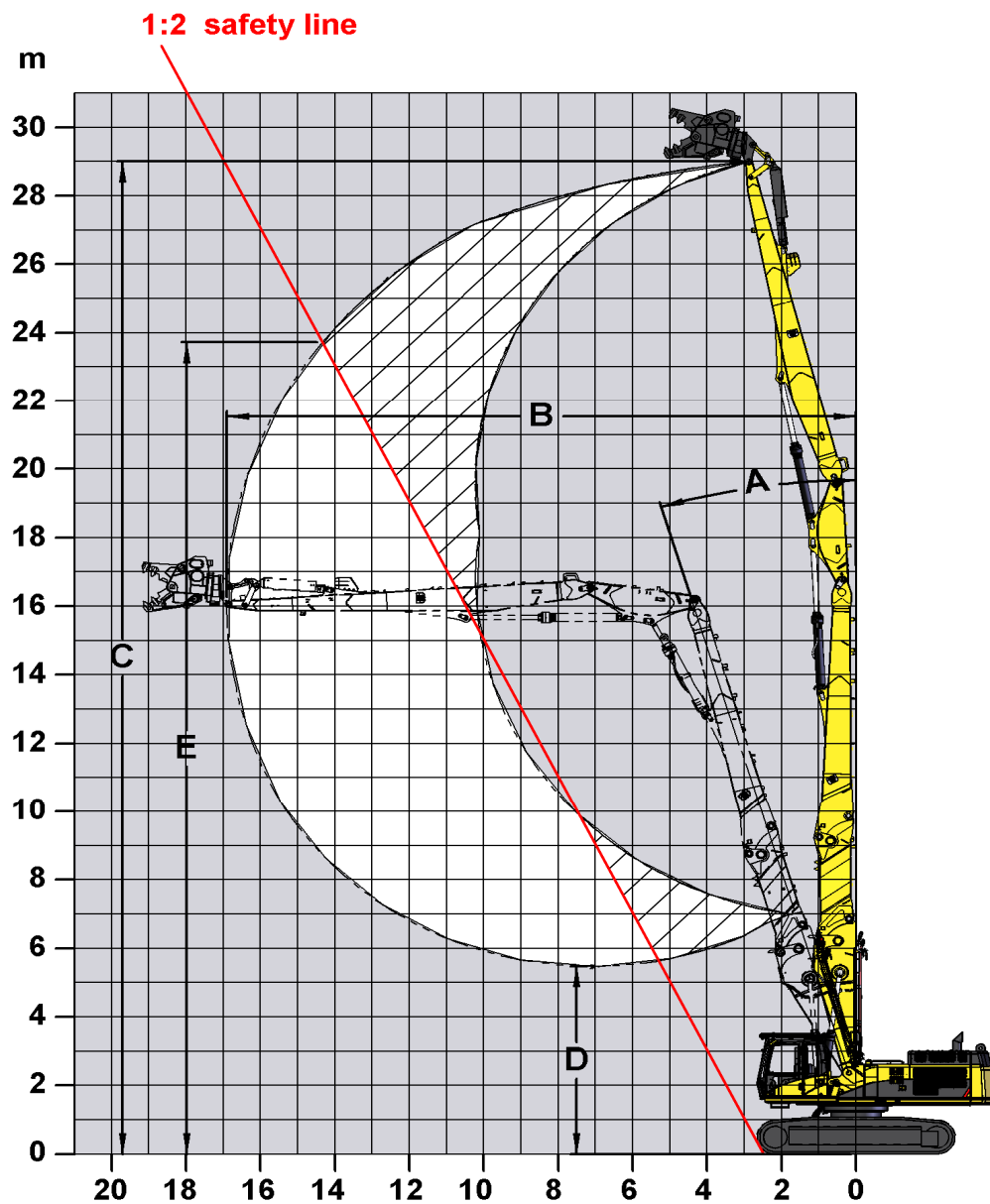
DEM70 with Ultra-High Demolition front and 5m extension - 31 m



|                              |   |                |
|------------------------------|---|----------------|
| <b>A</b>                     | Maximum allowable angle from vertical   |                |
|                              | LVG undercarriage - Over front  | 17°            |
|                              | LVG undercarriage - Over side   | not authorized |
|                              | HVG undercarriage - Over front  | 17°            |
| <b>B</b>                     | Maximum allowable horizontal reach  |                |
|                              | LVG undercarriage - Over front  | 17500 mm       |
|                              | LVG undercarriage - Over side   | not authorized |
|                              | HVG undercarriage - Over front  | 17500 mm       |
| <b>C</b>                     | Maximum vertical pin height   |                |
|                              | 31000 mm  |                |
| <b>D</b>                     | Minimum pin height  |                |
|                              | LVG undercarriage - Over front  | 7380 mm        |
|                              | LVG undercarriage - Over side   | not authorized |
|                              | HVG undercarriage - Over front  | 7380 mm        |
|                              | HVG undercarriage - Over side   | not authorized |
| <b>E</b>                     | Maximum vertical pin height with 1/2 safety line  |                |
|                              | LVG undercarriage - Over front  | 25340 mm       |
|                              | LVG undercarriage - Over side   | not authorized |
|                              | HVG undercarriage - Over front  | 25340 mm       |
| <b>Maximum tool weight *</b> | Maximum tool weight *   |                |
|                              | LVG undercarriage - Over front  | 2500 kg        |
|                              | LVG undercarriage - Over side   | not authorized |
|                              | HVG undercarriage - Over front  | 2500 kg        |
|                              | HVG undercarriage - Over side   |                |
|                              | not authorized  |                |
|                              | * Weight includes mounting bracket and quick coupler (if any). Design of the mounting bracket and quick coupler is critical. Distance between stick nose and center of gravity cannot exceed 1500 mm. |                |
| <b>LVG</b>                   | DEM70 with Long undercarriage   |                |
| <b>HVG</b>                   | DEM70 with Hydraulic Variable Gauge   |                |

# Working Ranges - UHD Configurations

DEM70 with Ultra-High Demolition front and 3m extension - 29 m



| A | Maximum allowable angle from vertical |     |
|---|---------------------------------------|-----|
|   | LVG undercarriage - Over front        | 17° |
|   | LVG undercarriage - Over side         | 17° |
|   | HVG undercarriage - Over front        | 17° |
|   | HVG undercarriage - Over side         | 17° |

| B | Maximum allowable horizontal reach |          |
|---|------------------------------------|----------|
|   | LVG undercarriage - Over front     | 16907 mm |
|   | LVG undercarriage - Over side      | 16907 mm |
|   | HVG undercarriage - Over front     | 16907 mm |
|   | HVG undercarriage - Over side      | 16907 mm |

| C | Maximum vertical pin height | 29000 mm |
|---|-----------------------------|----------|
|---|-----------------------------|----------|

| D | Minimum pin height             |         |
|---|--------------------------------|---------|
|   | LVG undercarriage - Over front | 5470 mm |
|   | LVG undercarriage - Over side  | 5470 mm |
|   | HVG undercarriage - Over front | 5470 mm |
|   | HVG undercarriage - Over side  | 5470 mm |

| E | Maximum vertical pin height with 1/2 safety line |          |
|---|--|----------|
|   | LVG undercarriage - Over front                   | 23720 mm |
|   | LVG undercarriage - Over side                    | 23720 mm |
|   | HVG undercarriage - Over front                   | 23720 mm |
|   | HVG undercarriage - Over side                    | 23720 mm |

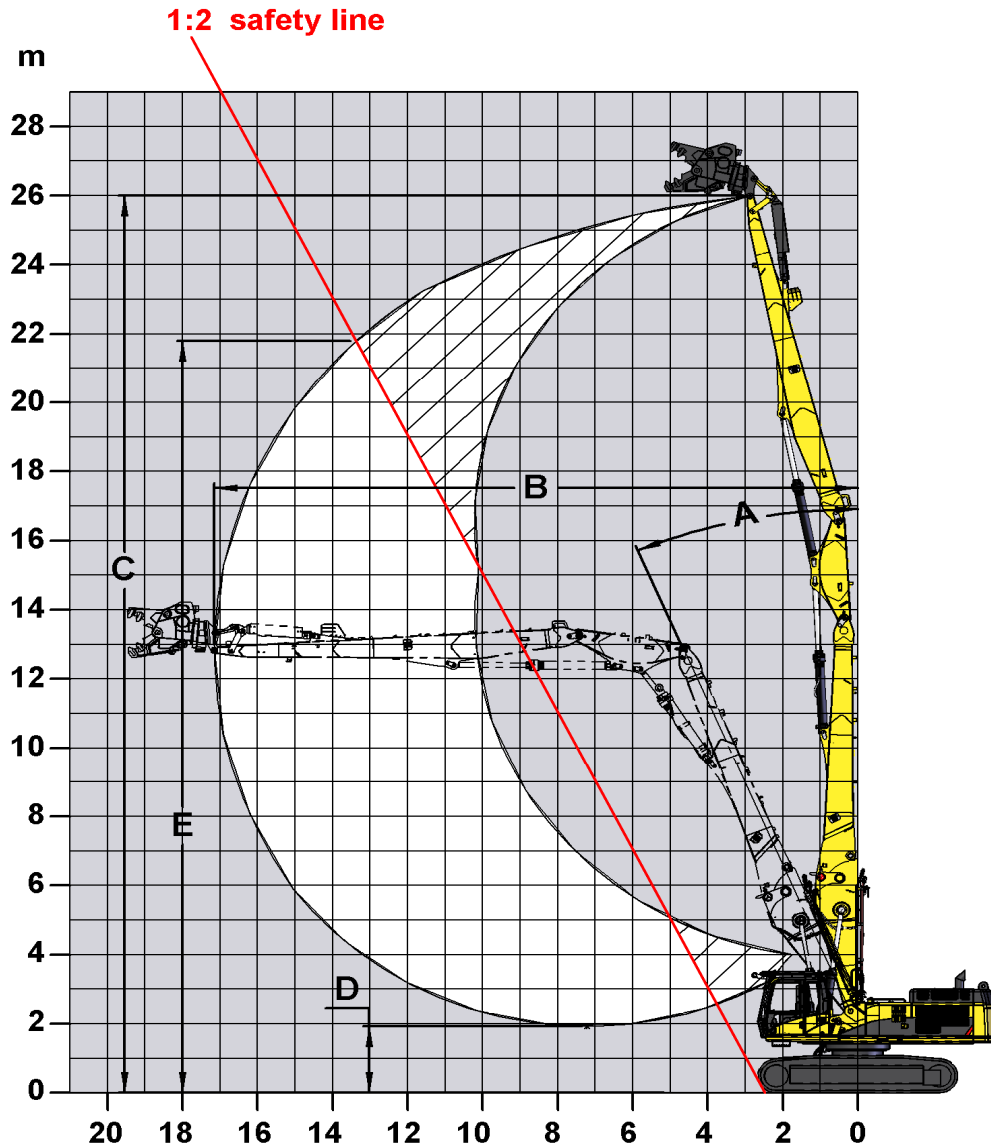
| Maximum tool weight * |                                |         |
|-----------------------|--------------------------------|---------|
|                       | LVG undercarriage - Over front | 3000 kg |
|                       | LVG undercarriage - Over side  | 2800 kg |
|                       | HVG undercarriage - Over front | 3000 kg |
|                       | HVG undercarriage - Over side  | 3000 kg |

\* Weight includes mounting bracket and quick coupler (if any). Design of the mounting bracket and quick coupler is critical. Distance between stick nose and center of gravity cannot exceed 1500 mm.

**LVG** DEM70 with Long undercarriage  
**HVG** DEM70 with Hydraulic Variable Gauge

# Working Ranges - UHD Configurations

DEM70 with Ultra-High Demolition front without extension - 26 m



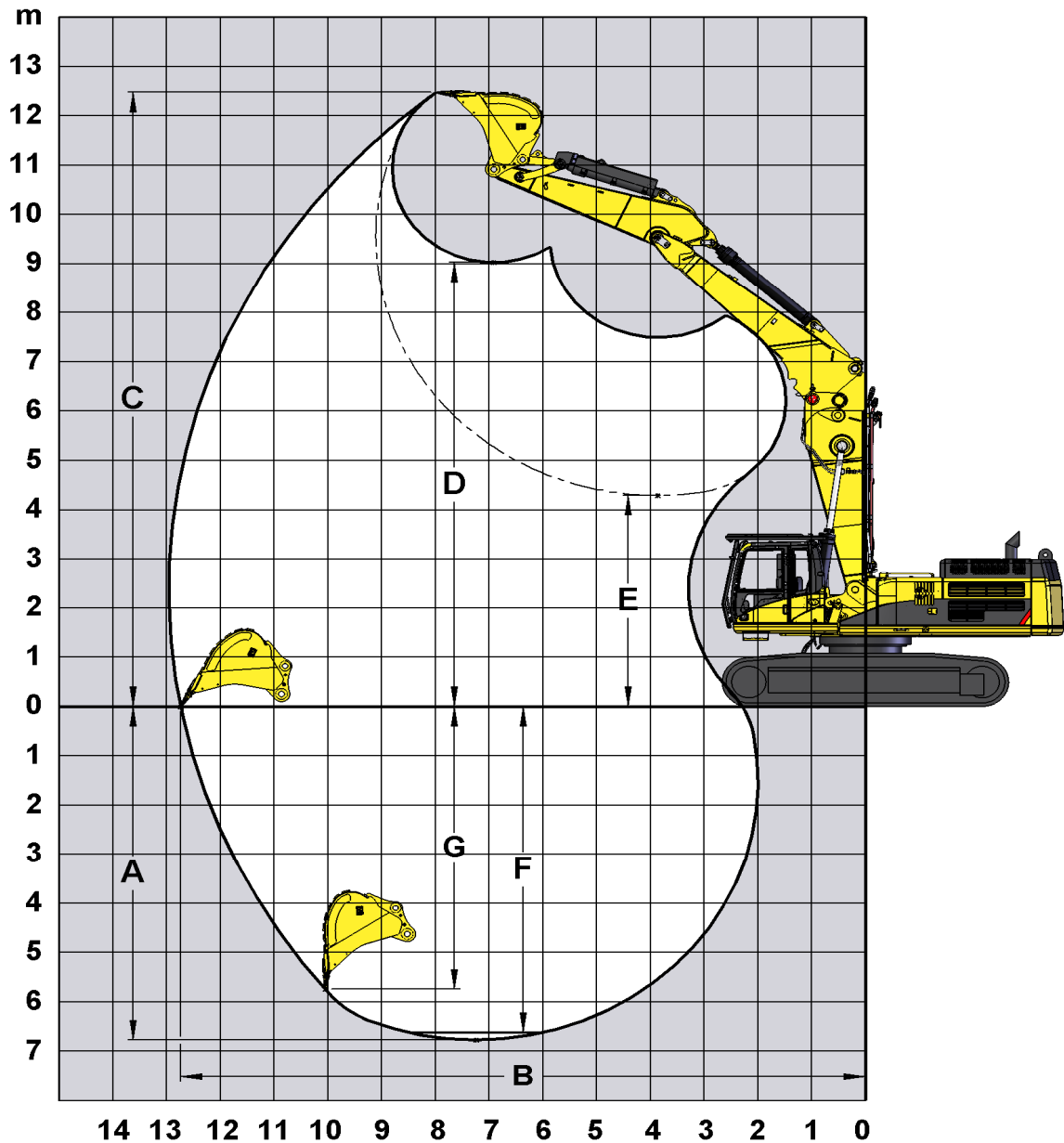
|                              |   |          |
|------------------------------|---|----------|
| <b>A</b>                     | <b>Maximum allowable angle from vertical</b>            |          |
|                              | LVG undercarriage - Over front                          | 23°      |
|                              | LVG undercarriage - Over side                           | 23°      |
|                              | HVG undercarriage - Over front                          | 23°      |
| <b>B</b>                     | <b>Maximum allowable horizontal reach</b>               |          |
|                              | LVG undercarriage - Over front                          | 17150 mm |
|                              | LVG undercarriage - Over side                           | 17150 mm |
|                              | HVG undercarriage - Over front                          | 17150 mm |
| <b>C</b>                     | <b>Maximum vertical pin height</b>                      |          |
|                              | 26000 mm  |          |
| <b>D</b>                     | <b>Minimum pin height</b>                               |          |
|                              | LVG undercarriage - Over front                          | 1920 mm  |
|                              | LVG undercarriage - Over side                           | 1920 mm  |
|                              | HVG undercarriage - Over front                          | 1920 mm  |
|                              | HVG undercarriage - Over side                           | 1920 mm  |
| <b>E</b>                     | <b>Maximum vertical pin height with 1/2 safety line</b> |          |
|                              | LVG undercarriage - Over front                          | 21800 mm |
|                              | LVG undercarriage - Over side                           | 21800 mm |
|                              | HVG undercarriage - Over front                          | 21800 mm |
| <b>Maximum tool weight *</b> |   |          |
|                              | LVG undercarriage - Over front                          | 3500 kg  |
|                              | LVG undercarriage - Over side                           | 3000 kg  |
|                              | HVG undercarriage - Over front                          | 3500 kg  |
|                              | HVG undercarriage - Over side                           |          |
|                              | 3500 kg   |          |

\* Weight includes mounting bracket and quick coupler (if any). Design of the mounting bracket and quick coupler is critical. Distance between stick nose and center of gravity cannot exceed 1500 mm.

**LVG** DEM70 with Long undercarriage  
**HVG** DEM70 with Hydraulic Variable Gauge

# Working Ranges - Retrofit Configurations

DEM70 with retrofit boom in bent position

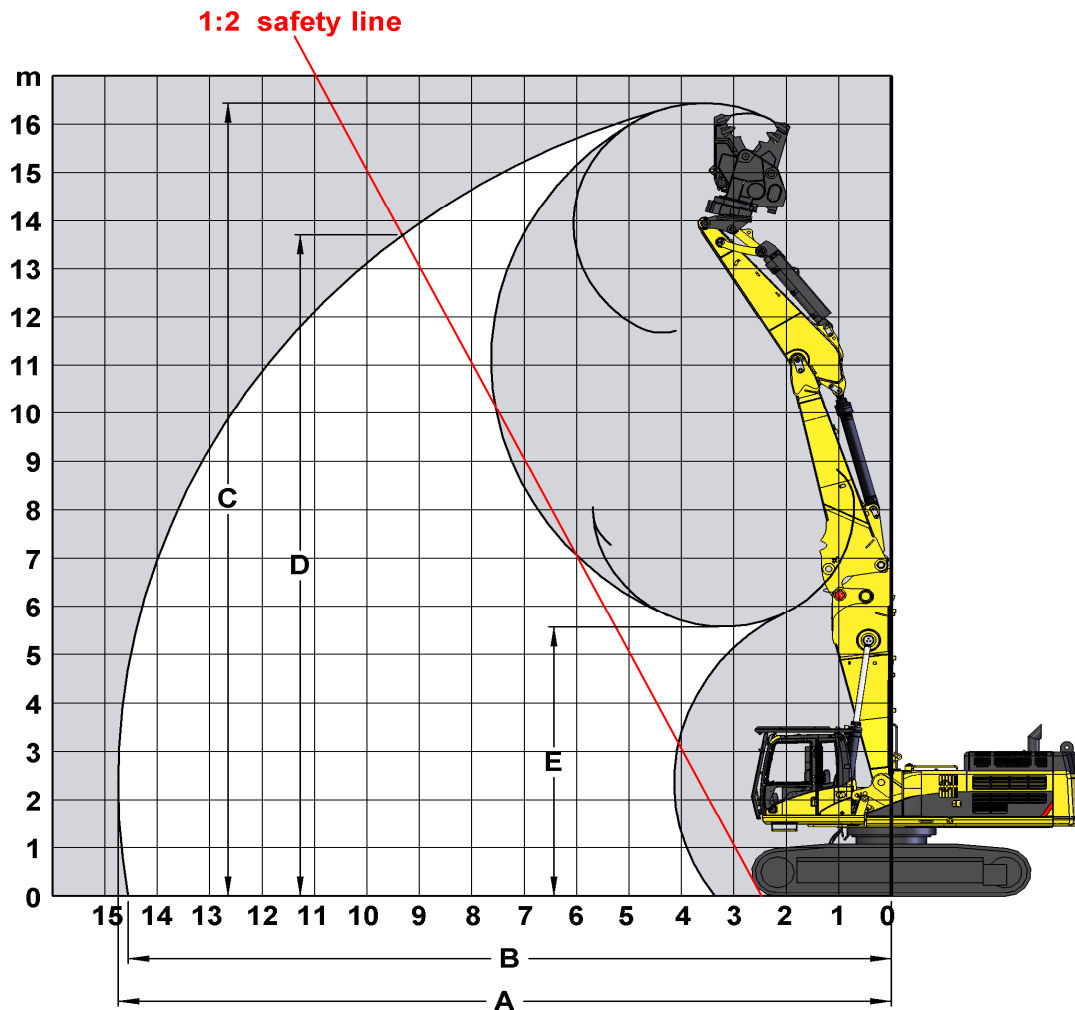


## Bent Position

|                                 |  |                     |
|---------------------------------|--|---------------------|
| Stick Length                    | mm                                       | 3400                |
| <b>A</b>                        | Maximum Digging Depth                    | mm -6775            |
| <b>B</b>                        | Maximum Reach at Ground Level            | mm 12741            |
| <b>C</b>                        | Maximum Cutting Height                   | mm 12480            |
| <b>D</b>                        | Maximum Loading Height                   | mm 9031             |
| <b>E</b>                        | Minimum Loading Height                   | mm 4292             |
| <b>F</b>                        | Maximum Digging Depth 2,5 m Level Bottom | mm -6624            |
| <b>G</b>                        | Maximum Vertical Wall Digging Depth      | mm -5746            |
| Bucket Digging Force (ISO 6015) |  | kN 229              |
| Stick Digging Force (ISO 6015)  |  | kN 194              |
| Bucket Size                     |  | m <sup>3</sup> 2,05 |
| Tip Radius                      |  | mm 1890             |

# Working Ranges - Retrofit Configurations

DEM70 with retrofit boom in straight position

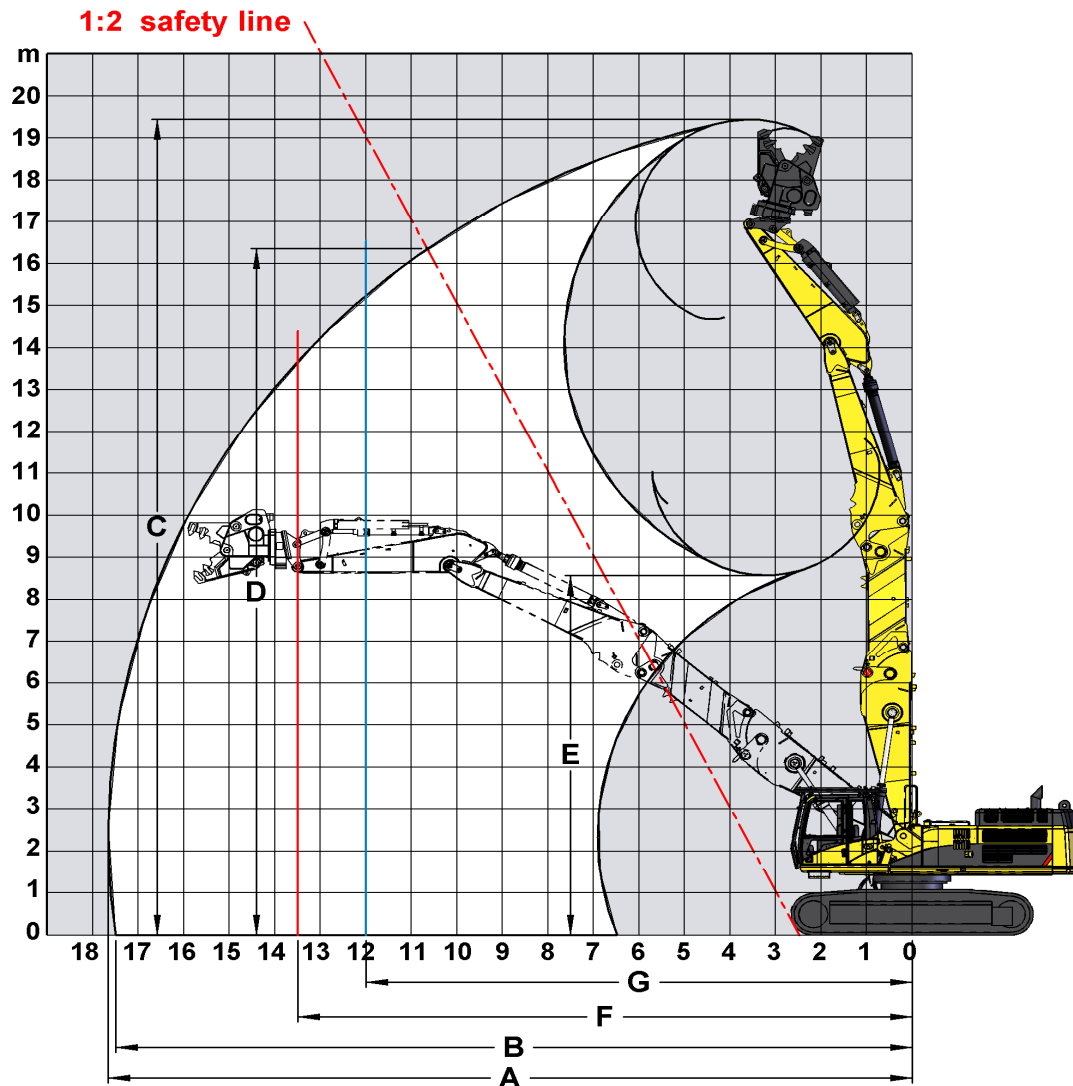


## Straight Position

|  |   |                        |
|--|---|------------------------|
| Stick Length   | mm                                      | 3400                   |
| <b>A</b>   | Maximum Reach                           | mm 14750               |
| <b>B</b>   | Maximum Reach at Ground Level           | mm 14560               |
| <b>C</b>   | Maximum Vertical Tool Height            | mm 16445               |
| <b>D</b>   | Maximum Vertical Height With 1/2 Safety | mm 13700               |
| <b>E</b>   | Minimum Vertical Tool Height            | mm 5575                |
| Maximum Reach With MP20-CR and CW-45 (3567Kg)<br>With or Without Additionnal Counterweight 3000 kg |   |                        |
| LVG Undercarriage Over Front   |   | All The Working Ranges |
| LVG Undercarriage Over Side  |   | All The Working Ranges |
| HVG Undercarriage Over Front   |   | All The Working Ranges |
| HVG Undercarriage Over Side  |   | All The Working Ranges |
| Maximum Reach With MP30-TS and CW-45 (4866Kg)<br>With or Without Additionnal Counterweight 3000 kg |   |                        |
| LVG Undercarriage Over Front   |   | All The Working Ranges |
| LVG Undercarriage Over Side  |   | All The Working Ranges |
| HVG Undercarriage Over Front   |   | All The Working Ranges |
| HVG Undercarriage Over Side  |   | All The Working Ranges |
| Tip Radius MP20  | mm                                      | 2500                   |

# Working Ranges - Retrofit Configurations

DEM70 with retrofit boom in straight position and extension 3m



## Straight Position With 3m Extension

|                 |   |                        |
|-----------------|---|------------------------|
| Stick Length    | mm  | 3400                   |
| <b>A</b>        | Maximum Reach                                 | mm 17660               |
| <b>B</b>        | Maximum Reach at Ground Level                 | mm 17500               |
| <b>C</b>        | Maximum Vertical Tool Height                  | mm 19440               |
| <b>D</b>        | Maximum Vertical Height With 1/2 Safety       | mm 16355               |
| <b>E</b>        | Minimum Vertical Tool Height                  | mm 8575                |
| <b>F</b>        | Maximum Reach With MP20-CR and CW-45 (3567Kg) |                        |
|                 | LVG Undercarriage Over Front                  | mm 15000               |
|                 | LVG Undercarriage Over Side                   | mm 13000               |
|                 | HVG Undercarriage Over Front                  | All The Working Ranges |
|                 | HVG Undercarriage Over Side                   | All The Working Ranges |
| <b>G</b>        | Maximum Reach With MP30-TS and CW-45 (4866Kg) |                        |
|                 | LVG Undercarriage Over Front                  | mm 12000               |
|                 | LVG Undercarriage Over Side                   | mm 10500               |
|                 | HVG Undercarriage Over Front                  | mm 13500               |
|                 | HVG Undercarriage Over Side                   | mm 12000               |
| <b>F*</b>       | Maximum Reach With MP20-CR and CW-45 (3567Kg) |                        |
|                 | LVG Undercarriage Over Front                  | All The Working Ranges |
|                 | LVG Undercarriage Over Side                   | All The Working Ranges |
|                 | HVG Undercarriage Over Front                  | All The Working Ranges |
|                 | HVG Undercarriage Over Side                   | All The Working Ranges |
| <b>G*</b>       | Maximum Reach With MP30-TS and CW-45 (4866Kg) |                        |
|                 | LVG Undercarriage Over Front                  | mm 14000               |
|                 | LVG Undercarriage Over Side                   | mm 12000               |
|                 | HVG Undercarriage Over Front                  | mm 14000               |
|                 | HVG Undercarriage Over Side                   | mm 14000               |
| Tip Radius MP20 | mm  | 2500                   |

\* With Additionnal Counterweight 3000 kg

# Lift Capacities - DEM70 LVG
















DEM70 with long (LVG) undercarriage, retrofit boom without additional counterweight - All weights are in kg. Heavy lift on.

## Straight Position

Stick 3400 mm

Shoes 600 mm

Without tool
















|  | 4,5 m   |   | 6 m   |   | 7,5 m   |   | 9 m   |   | 10,5 m  |   | 12 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 13,5 m  | 13648*  | 13648*  |   |   |   |   |   |   |   |   |   |   | 10467*  | 10467*  | 5,8  |
| 12 m  |   |   | 12897*  | 12897*  | 9043*   | 9043*   |   |   |   |   |   |   | 9043*   | 9043*   | 7,5  |
| 10,5 m  |   |   | 12424*  | 12424*  | 11976*  | 11976*  | 9730*   | 9350  |   |   |   |   | 8000*   | 8000*   | 9    |
| 9 m   | 11393*  | 11393*  | 12845*  | 12845*  | 12372*  | 12372*  | 10771*  | 9542  | 7321*   | 7031  |   |   | 7404*   | 7300  | 10,2 |
| 7,5 m   | 17969*  | 17969*  | 15283*  | 15283*  | 12620*  | 12242   | 10921*  | 9193  | 9583*   | 6918  |   |   | 7080*   | 6182  | 11,1 |
| 6 m   |   |   | 16580*  | 15782   | 13423*  | 11788   | 11259*  | 8884  | 9651*   | 6741  | 6951*   | 5486  | 6951*   | 5486  | 11,7 |
| 4,5 m   |   |   | 17119*  | 14066   | 13922*  | 10833   | 11429*  | 8240  | 9892*   | 6652  | 7835*   | 5147  | 6969*   | 5136  | 12   |
| 3 m   |   |   |   |   | 14425*  | 10284   | 11652*  | 7914  | 9772  | 6287  | 7941  | 5068  | 7140*   | 4899  | 12,2 |
| 1,5 m   |   |   |   |   | 13925*  | 9518  | 11581*  | 7592  | 9588  | 6110  | 7935  | 5041  | 7415*   | 4856  | 12,2 |
| 0 m   |   |   | 11250*  | 11250*  | 13458*  | 9561  | 11126*  | 7391  | 9127*   | 5962  | 7180*   | 5003  | 7118*   | 4953  | 12   |

## Bent Position

Stick 3400 mm

Shoes 600 mm

Without bucket

|  | 3 m   |   | 4,5 m   |   | 6 m   |  | 7,5 m   |   | 9 m   |   | 10,5 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 10,5 m  |   |   |   |   |   |  | 8279*   | 8279*   |   |   |   |   | 7612*   | 7612*   | 7,3  |
| 9 m   |   |   |   |   |   |  | 9973*   | 9973*   | 7089*   | 7089*   |   |   | 7089*   | 7089*   | 8,9  |
| 7,5 m   |   |   |   |   | 11833*  | 11833*   | 10431*  | 10431*  | 9441*   | 9441*   |   |   | 6957*   | 6957*   | 9,7  |
| 6 m   | 23587*  | 23587*  | 17837*  | 17837*  | 13515*  | 13515*   | 11261*  | 11261*  | 9866*   | 9468  | 7018*   | 7018*   | 7018*   | 7018*   | 10,5 |
| 4,5 m   |   |   | 18260*  | 18260*  | 15721*  | 15721*   | 12231*  | 11830   | 10448*  | 9212  | 9225*   | 6863  | 7286*   | 6485  | 10,9 |
| 3 m   |   |   |   |   | 17401*  | 15250  | 13225*  | 11024   | 11026*  | 8650  | 9613*   | 6807  | 7651*   | 6149  | 11   |
| 1,5 m   |   |   |   |   | 17954*  | 13885  | 13950*  | 10491   | 11410*  | 8088  | 9723*   | 6375  | 8329*   | 5961  | 11   |
| 0 m   |   |   | 9507*   | 9507*   | 18526*  | 13755  | 14459*  | 10156   | 11721*  | 7846  | 9730  | 6252  | 9340*   | 6004  | 10,8 |
| -1,5 m  |   |   | 16032*  | 16032*  | 17959*  | 13562  | 14101*  | 9744  | 11486*  | 7574  | 9686*   | 6297  | 9686*   | 6297  | 10,4 |
| -3 m  |   |   | 20446*  | 20446*  | 16756*  | 13427  | 13394*  | 9702  | 10876*  | 7656  |   |   | 9822*   | 6917  | 9,7  |
| -4,5 m  |   |   |   |   | 14460*  | 13734  | 11981*  | 9905  | 9787*   | 8077  |   |   | 9738*   | 8415  | 8,5  |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



# Lift Capacities - DEM70 LVG
















DEM70 with long (LVG) undercarriage, retrofit boom with additional counterweight 3000kg - All weights are in kg. Heavy lift on.

## Straight Position

Stick 3400 mm

Shoes 600 mm

Without tool

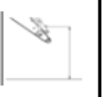














|  | 4,5 m   |   | 6 m   |   | 7,5 m   |   | 9 m  |   | 10,5 m  |   | 12 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 13,5 m  | 13648*  | 13648*  |   |   |   |   |  |   |   |   |   |   | 10467*  | 10467*  | 5,8  |
| 12 m  |   |   | 12897*  | 12897*  | 9043*   | 9043*   |  |   |   |   |   |   | 9043*   | 9043*   | 7,5  |
| 10,5 m  |   |   | 12424*  | 12424*  | 11976*  | 11976*  | 9730*  | 9730*   |   |   |   |   | 8000*   | 8000*   | 9    |
| 9 m   | 11393*  | 11393*  | 12845*  | 12845*  | 12372*  | 12372*  | 10771*   | 10771*  | 7321*   | 7321*   |   |   | 7404*   | 7404*   | 10,2 |
| 7,5 m   | 17969*  | 17969*  | 15283*  | 15283*  | 12620*  | 12620*  | 10921*   | 10681   | 9583*   | 8149  |   |   | 7080*   | 7080*   | 11,1 |
| 6 m   |   |   | 16580*  | 16580*  | 13423*  | 13423*  | 11259*   | 10378   | 9651*   | 7969  | 6951*   | 6570  | 6951*   | 6570  | 11,7 |
| 4,5 m   |   |   | 17119*  | 16421   | 13922*  | 12682   | 11429*   | 9709  | 9892*   | 7898  | 7835*   | 6199  | 6969*   | 6185  | 12   |
| 3 m   |   |   |   |   | 14425*  | 12157   | 11652*   | 9392  | 9806*   | 7518  | 8238*   | 6122  | 7140*   | 5929  | 12,2 |
| 1,5 m   |   |   |   |   | 13925*  | 11338   | 11581*   | 9071  | 9667*   | 7343  | 8004*   | 6102  | 7415*   | 5887  | 12,2 |
| 0 m   |   |   | 11250*  | 11250*  | 13458*  | 11429   | 11126*   | 8868  | 9127*   | 7192  | 7180*   | 6062  | 7118*   | 6003  | 12   |

## Bent Position

Stick 3400 mm

Shoes 600 mm

Without bucket

|  | 3 m   |   | 4,5 m   |   | 6 m   |   | 7,5 m  |   | 9 m   |   | 10,5 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 10,5 m  |   |   |   |   |   |   | 8279*  | 8279*   |   |   |   |   | 7612*   | 7612*   | 7,3  |
| 9 m   |   |   |   |   |   |   | 9973*  | 9973*   | 7089*   | 7089*   |   |   | 7089*   | 7089*   | 8,9  |
| 7,5 m   |   |   |   |   | 11833*  | 11833*  | 10431*   | 10431*  | 9441*   | 9441*   |   |   | 6957*   | 6957*   | 9,7  |
| 6 m   | 23587*  | 23587*  | 17837*  | 17837*  | 13515*  | 13515*  | 11261*   | 11261*  | 9866*   | 9866*   | 7018*   | 7018*   | 7018*   | 7018*   | 10,5 |
| 4,5 m   |   |   | 18260*  | 18260*  | 15721*  | 15721*  | 12231*   | 12231*  | 10448*  | 10448*  | 9225*   | 8081  | 7286*   | 7286*   | 10,9 |
| 3 m   |   |   |   |   | 17401*  | 17401*  | 13225*   | 12862   | 11026*  | 10137   | 9613*   | 8048  | 7651*   | 7308  | 11   |
| 1,5 m   |   |   |   |   | 17954*  | 16327   | 13950*   | 12338   | 11410*  | 9558  | 9723*   | 7595  | 8329*   | 7122  | 11   |
| 0 m   |   |   | 9507*   | 9507*   | 18526*  | 16264   | 14459*   | 12025   | 11721*  | 9327  | 9824*   | 7482  | 9340*   | 7194  | 10,8 |
| -1,5 m  |   |   | 16032*  | 16032*  | 17959*  | 16065   | 14101*   | 11585   | 11486*  | 9040  | 9686*   | 7547  | 9686*   | 7547  | 10,4 |
| -3 m  |   |   | 20446*  | 20446*  | 16756*  | 15900   | 13394*   | 11541   | 10876*  | 9139  |   |   | 9822*   | 8271  | 9,7  |
| -4,5 m  |   |   |   |   | 14460*  | 14460*  | 11981*   | 11752   | 9787*   | 9607  |   |   | 9738*   | 9738*   | 8,5  |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# Lift Capacities - DEM70 HVG
















DEM70 with Hydraulic Variable Gauge (HVG) undercarriage, retrofit boom without additional counterweight  
All weights are in kg. Heavy lift on.

## Straight Position

Stick 3400 mm

Shoes 600 mm

Without tool
















|  | 4,5 m   |   | 6 m   |   | 7,5 m   |   | 9 m  |   | 10,5 m  |   | 12 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 13,5 m  | 13648*  | 13648*  |   |   |   |   |  |   |   |   |   |   | 10467*  | 10467*  | 5,8  |
| 12 m  | 13271*  | 13271*  | 12897*  | 12897*  | 9043*   | 9043*   |  |   |   |   |   |   | 9043*   | 9043*   | 7,5  |
| 10,5 m  |   |   | 12424*  | 12424*  | 11991*  | 11991*  | 8000*  | 8000*   |   |   |   |   | 8000*   | 8000*   | 9    |
| 9 m   | 11393*  | 11393*  | 12845*  | 12845*  | 12372*  | 12372*  | 10771*   | 10771*  | 7321*   | 7321*   |   |   | 7404*   | 7404*   | 10,2 |
| 7,5 m   | 17969*  | 17969*  | 15283*  | 15283*  | 12620*  | 12620*  | 10845*   | 10488   | 9583*   | 8044  |   |   | 7080*   | 7080*   | 11,1 |
| 6 m   |   |   | 16580*  | 16580*  | 13423*  | 13423*  | 11259*   | 10268   | 9651*   | 7862  | 6951*   | 6468  | 6951*   | 6468  | 11,7 |
| 4,5 m   |   |   | 17119*  | 16326   | 13922*  | 12569   | 11429*   | 9596  | 9892*   | 7790  | 7835*   | 6098  | 6969*   | 6084  | 12   |
| 3 m   |   |   |   |   | 14425*  | 12037   | 11652*   | 9275  | 9806*   | 7409  | 8238*   | 6020  | 7140*   | 5828  | 12,2 |
| 1,5 m   |   |   |   |   | 13925*  | 11214   | 11581*   | 8952  | 9667*   | 7232  | 8004*   | 6000  | 7415*   | 5786  | 12,2 |
| 0 m   |   |   | 11250*  | 11250*  | 13458*  | 11303   | 11126*   | 8747  | 9127*   | 7080  | 7180*   | 5959  | 7118*   | 5900  | 12   |

## Bent Position

Stick 3400 mm

Shoes 600 mm

Without bucket

|  | 3 m   |   | 4,5 m   |   | 6 m   |   | 7,5 m   |   | 9 m   |   | 10,5 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 10,5 m  |   |   |   |   |   |   | 8279*   | 8279*   |   |   |   |   | 7612*   | 7612*   | 7,3  |
| 9 m   |   |   |   |   |   |   | 9973*   | 9973*   | 7089*   | 7089*   |   |   | 7089*   | 7089*   | 8,9  |
| 7,5 m   |   |   |   |   | 11833*  | 11833*  | 10431*  | 10431*  | 9441*   | 9441*   |   |   | 6957*   | 6957*   | 9,7  |
| 6 m   | 23587*  | 23587*  | 17837*  | 17837*  | 13515*  | 13515*  | 11261*  | 11261*  | 9866*   | 9866*   | 7018*   | 7018*   | 7018*   | 7018*   | 10,5 |
| 4,5 m   |   |   | 18260*  | 18260*  | 15199*  | 15199*  | 12231*  | 12231*  | 10448*  | 10448*  | 9225*   | 7976  | 7216*   | 7216*   | 10,8 |
| 3 m   |   |   |   |   | 17401*  | 17401*  | 13122*  | 12917   | 11026*  | 10026   | 9613*   | 7941  | 7651*   | 7204  | 11   |
| 1,5 m   |   |   |   |   | 17954*  | 16227   | 13950*  | 12222   | 11410*  | 9443  | 9873*   | 7691  | 8329*   | 7016  | 11   |
| 0 m   |   |   | 9507*   | 9507*   | 18327*  | 15947   | 14459*  | 11904   | 11721*  | 9210  | 9891*   | 7440  | 9340*   | 7086  | 10,8 |
| -1,5 m  |   |   | 16032*  | 16032*  | 17959*  | 15959   | 14101*  | 11461   | 11486*  | 8922  | 9686*   | 7436  | 9686*   | 7436  | 10,4 |
| -3 m  |   |   | 20815*  | 20815*  | 16756*  | 15792   | 13394*  | 11417   | 10876*  | 9020  |   |   | 9822*   | 8156  | 9,7  |
| -4,5 m  |   |   |   |   | 14926*  | 14926*  | 11981*  | 11630   | 9787*   | 9488  |   |   | 9738*   | 9738*   | 8,5  |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.

# Lift Capacities - DEM70 HVG

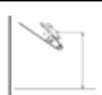














DEM70 with Hydraulic Variable Gauge (HVG) undercarriage, retrofit boom with additional counterweight 3000kg  
All weights are in kg. Heavy lift on.

## Straight Position

Stick 3400 mm

Shoes 600 mm

Without tool
















|  | 4,5 m   |   | 6 m   |   | 7,5 m   |   | 9 m  |   | 10,5 m  |   | 12 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 13,5 m  | 13648*  | 13648*  |   |   |   |   |  |   |   |   |   |   | 10467*  | 10467*  | 5,8  |
| 12 m  | 13271*  | 13271*  | 12897*  | 12897*  | 9043*   | 9043*   |  |   |   |   |   |   | 9043*   | 9043*   | 7,5  |
| 10,5 m  |   |   | 12424*  | 12424*  | 11991*  | 11991*  | 8000*  | 8000*   |   |   |   |   | 8000*   | 8000*   | 9    |
| 9 m   | 11393*  | 11393*  | 12845*  | 12845*  | 12372*  | 12372*  | 10771*   | 10771*  | 7321*   | 7321*   |   |   | 7404*   | 7404*   | 10,2 |
| 7,5 m   | 17969*  | 17969*  | 15283*  | 15283*  | 12620*  | 12620*  | 10845*   | 10845*  | 9583*   | 9298  |   |   | 7080*   | 7080*   | 11,1 |
| 6 m   |   |   | 16580*  | 16580*  | 13423*  | 13423*  | 11259*   | 11259*  | 9651*   | 9113  | 6951*   | 6951*   | 6951*   | 6951*   | 11,7 |
| 4,5 m   |   |   | 17119*  | 17119*  | 13922*  | 13922*  | 11429*   | 11095   | 9892*   | 9060  | 7835*   | 7169  | 6969*   | 6969*   | 12   |
| 3 m   |   |   |   |   | 14425*  | 13953   | 11652*   | 10783   | 9806*   | 8663  | 8238*   | 7092  | 7140*   | 6877  | 12,2 |
| 1,5 m   |   |   |   |   | 13925*  | 13075   | 11581*   | 10461   | 9667*   | 8489  | 8004*   | 7081  | 7415*   | 6836  | 12,2 |
| 0 m   |   |   | 11250*  | 11250*  | 13458*  | 13213   | 11126*   | 10255   | 9127*   | 8333  | 7180*   | 7037  | 7118*   | 6969  | 12   |

## Bent Position

Stick 3400 mm

Shoes 600 mm

Without bucket

|  | 3 m   |   | 4,5 m   |   | 6 m   |   | 7,5 m  |   | 9 m   |   | 10,5 m  |   | Maxi  |   | m    |
|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|------|
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |
| 10,5 m  |   |   |   |   |   |   | 8279*  | 8279*   |   |   |   |   | 7612*   | 7612*   | 7,3  |
| 9 m   |   |   |   |   |   |   | 9973*  | 9973*   | 7089*   | 7089*   |   |   | 7089*   | 7089*   | 8,9  |
| 7,5 m   |   |   |   |   | 11833*  | 11833*  | 10431*   | 10431*  | 9441*   | 9441*   |   |   | 6957*   | 6957*   | 9,7  |
| 6 m   | 23587*  | 23587*  | 17837*  | 17837*  | 13515*  | 13515*  | 11261*   | 11261*  | 9866*   | 9866*   | 7018*   | 7018*   | 7018*   | 7018*   | 10,5 |
| 4,5 m   |   |   | 18260*  | 18260*  | 15199*  | 15199*  | 12231*   | 12231*  | 10448*  | 10448*  | 9225*   | 9218  | 7216*   | 7216*   | 10,8 |
| 3 m   |   |   |   |   | 17401*  | 17401*  | 13122*   | 13122*  | 11026*  | 11026*  | 9613*   | 9206  | 7651*   | 7651*   | 11   |
| 1,5 m   |   |   |   |   | 17954*  | 17954*  | 13950*   | 13950*  | 11410*  | 10943   | 9873*   | 8958  | 8329*   | 8199  | 11   |
| 0 m   |   |   | 9507*   | 9507*   | 18327*  | 18327*  | 14459*   | 13815   | 11721*  | 10720   | 9891*   | 8700  | 9340*   | 8299  | 10,8 |
| -1,5 m  |   |   | 16032*  | 16032*  | 17959*  | 17959*  | 14101*   | 13343   | 11486*  | 10419   | 9686*   | 8710  | 9686*   | 8710  | 10,4 |
| -3 m  |   |   | 20815*  | 20815*  | 16756*  | 16756*  | 13394*   | 13297   | 10876*  | 10534   |   |   | 9822*   | 9536  | 9,7  |
| -4,5 m  |   |   |   |   | 14926*  | 14926*  | 11981*   | 11981*  | 9787*   | 9787*   |   |   | 9738*   | 9738*   | 8,5  |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.

# Lift Capacities - DEM70 LVG

DEM70 with long (LVG) undercarriage, retrofit boom and extension 3m without additional counterweight  
All weights are in kg. Heavy lift on.

| Straight Position | Stick 3400 mm |               |               |             | Shoes 600 mm |            |            |            | Without tool |  |  |  | Maxi | m     |      |      |
|-------------------|---------------|---------------|---------------|-------------|--------------|------------|------------|------------|--------------|--|--|--|------|-------|------|------|
|                   | 4,5 m         | 6 m           | 7,5 m         | 9 m         | 10,5 m       | 12 m       | 13,5 m     | 15 m       |              |  |  |  |      |       |      |      |
| 16,5 m            | 13557* 13557* | 11001* 11001* |               |             |              |            |            |            |              |  |  |  |      | 6434* | 5283 | 8,8  |
| 15 m              |               | 13057* 13057* | 10971* 10971* | 9051* 9051* |              |            |            |            |              |  |  |  |      | 6434* | 5283 | 8,8  |
| 13,5 m            |               | 12423* 12423* | 10726* 10726* | 9371* 9371* | 8147* 6875   |            |            |            |              |  |  |  |      | 8173* | 6956 | 10,2 |
| 12 m              | 11393* 11393* | 12586* 12586* | 11251* 11251* | 9048* 8851  | 7838* 6574   | 7041* 5036 |            |            |              |  |  |  |      | 7237* | 5340 | 11,5 |
| 10,5 m            | 17707* 17707* | 14342* 14342* | 11007* 11007* | 9324* 8859  | 8065* 6794   | 6896* 4914 |            |            |              |  |  |  |      | 6394* | 4084 | 12,9 |
| 9 m               |               | 13686* 13686* | 11445* 10946  | 9407* 8133  | 7935* 6105   | 6925* 4811 | 5999* 3560 |            |              |  |  |  |      | 6012* | 3570 | 13,5 |
| 7,5 m             |               |               | 11331* 9092   | 9522* 7367  | 8058* 5745   | 6994* 4637 | 5923 3464  |            |              |  |  |  |      | 5376  | 3066 | 14,2 |
| 6 m               |               |               |               | 9568* 6458  | 8089* 5276   | 6870* 4178 | 5815 3348  | 4917 2717  |              |  |  |  |      | 4917  | 2717 | 14,7 |
| 4,5 m             |               |               |               | 9268* 5600  | 8058* 4828   | 6747 3876  | 5659 3189  | 4699 2544  |              |  |  |  |      | 4624  | 2489 | 15   |
| 3 m               |               |               |               | 8723* 5070  | 7809* 4441   | 6564 3676  | 5426 2980  | 4603 2455  |              |  |  |  |      | 4498  | 2387 | 15,1 |
| 1,5 m             |               |               |               | 8039* 4813  | 7412* 4193   | 6261 3418  | 5301 2857  | 4359* 2377 |              |  |  |  |      | 4199* | 2340 | 15,1 |
| 0 m               |               |               |               | 7112* 4984  | 6706* 4019   | 5889* 3348 | 4959* 2780 | 3834* 2377 |              |  |  |  |      | 3834* | 2377 | 15   |

# Lift Capacities - DEM70 HVG

DEM70 with Hydraulic Variable Gauge (HVG) undercarriage retrofit boom and extension 3m without additional counterweight  
All weights are in kg. Heavy lift on.

| Straight Position | Stick 3400 mm |               |               |             | Shoes 600 mm |            |            |            | Without tool |  |  |  | Maxi | m     |       |      |
|-------------------|---------------|---------------|---------------|-------------|--------------|------------|------------|------------|--------------|--|--|--|------|-------|-------|------|
|                   | 4,5 m         | 6 m           | 7,5 m         | 9 m         | 10,5 m       | 12 m       | 13,5 m     | 15 m       |              |  |  |  |      |       |       |      |
| 16,5 m            | 13557* 13557* | 11001* 11001* |               |             |              |            |            |            |              |  |  |  |      | 6434* | 6434* | 8,8  |
| 15 m              |               | 13057* 13057* | 10971* 10971* | 9051* 9051* |              |            |            |            |              |  |  |  |      | 6434* | 6434* | 8,8  |
| 13,5 m            |               | 12423* 12423* | 10728* 10728* | 9064* 9064* | 8147* 8037   |            |            |            |              |  |  |  |      | 8173* | 8130  | 10,2 |
| 12 m              | 11393* 11393* | 12586* 12586* | 11251* 11251* | 9048* 9048* | 7838* 7691   | 7041* 6012 |            |            |              |  |  |  |      | 7237* | 6346  | 11,5 |
| 10,5 m            | 17707* 17707* | 14342* 14342* | 11007* 11007* | 9324* 9324* | 8065* 7947   | 6893* 5868 |            |            |              |  |  |  |      | 6539* | 5189  | 12,6 |
| 9 m               |               | 13686* 13686* | 11445* 11445* | 9407* 9407* | 7935* 7222   | 6925* 5771 | 5999* 4388 |            |              |  |  |  |      | 6012* | 4399  | 13,5 |
| 7,5 m             |               |               | 11331* 10751  | 9522* 8725  | 8058* 6869   | 6994* 5604 | 5955* 4289 |            |              |  |  |  |      | 5586* | 3848  | 14,2 |
| 6 m               |               |               |               | 9568* 7805  | 8089* 6399   | 6870* 5128 | 5947* 4177 | 5217* 3467 |              |  |  |  |      | 5217* | 3467  | 14,7 |
| 4,5 m             |               |               |               | 9384* 7079  | 8058* 5956   | 6792* 4825 | 5883* 4020 | 4970* 3281 |              |  |  |  |      | 4868* | 3220  | 15   |
| 3 m               |               |               |               | 8723* 6354  | 7809* 5563   | 6607* 4566 | 5660* 3807 | 4757* 3191 |              |  |  |  |      | 4600* | 3111  | 15,1 |
| 1,5 m             |               |               |               | 8039* 6096  | 7412* 5314   | 6427* 4454 | 5382* 3684 | 4332* 3087 |              |  |  |  |      | 4306* | 3066  | 15,1 |
| 0 m               |               |               |               | 7112* 6320  | 6706* 5129   | 5889* 4301 | 4959* 3607 | 3834* 3112 |              |  |  |  |      | 3834* | 3112  | 15   |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.

# Lift Capacities - DEM70 LVG

DEM70 with long (LVG) undercarriage, retrofit boom and extension 3m with additional counterweight 3000kg  
All weights are in kg. Heavy lift on.

| Straight Position | Stick 3400 mm |        |        |       | Shoes 600 mm |       |        |       | Without tool |       |      |      |
|-------------------|---------------|--------|--------|-------|--------------|-------|--------|-------|--------------|-------|------|------|
|                   | 4,5 m         | 6 m    | 7,5 m  | 9 m   | 10,5 m       | 12 m  | 13,5 m | 15 m  | Maxi         | m     |      |      |
| 16,5 m            | 13557*        | 11001* | 10971* | 9051* | 8147*        | 7041* | 5999*  | 5217* | 6434*        | 6434* | 8,8  |      |
| 15 m              | 13557*        | 13057* | 10971* | 9051* | 8147*        | 7041* | 5999*  | 5217* | 6434*        | 6434* | 8,8  |      |
| 13,5 m            |               | 12423* | 10726* | 9371* | 8147*        | 7041* | 5999*  | 5217* | 8173*        | 8173* | 10,2 |      |
| 12 m              | 11393*        | 12586* | 11251* | 9048* | 7838*        | 7041* | 6108   |       | 7237*        | 6443  | 11,5 |      |
| 10,5 m            | 17707*        | 14342* | 11007* | 9324* | 8065*        | 6896* | 5966   |       | 6394*        | 5056  | 12,9 |      |
| 9 m               |               | 13686* | 11445* | 9407* | 7935*        | 6925* | 5866   | 5999* | 4478         | 6012* | 4489 | 13,5 |
| 7,5 m             |               |        | 11331* | 9522* | 8835         | 6994* | 5701   | 5955* | 4379         | 5586* | 3936 | 14,2 |
| 6 m               |               |        |        | 9568* | 7922         | 6870* | 5227   | 5947* | 4268         | 5217* | 3553 | 14,7 |
| 4,5 m             |               |        |        | 9268* | 7044         | 6792* | 4926   | 5883* | 4113         | 4970* | 3367 | 15   |
| 3 m               |               |        |        | 8723* | 6477         | 6691* | 4737   | 5660* | 3900         | 4757* | 3277 | 15,1 |
| 1,5 m             |               |        |        | 8039* | 6222         | 6276* | 4468   | 5382* | 3779         | 4359* | 3196 | 15,1 |
| 0 m               |               |        |        | 7112* | 6448         | 6706* | 5245   | 5889* | 4406         | 4959* | 3701 | 15   |

# Lift Capacities - DEM70 HVG

DEM70 with Hydraulic Variable Gauge (HVG) undercarriage retrofit boom and extension 3m with additional counterweight 3000kg  
All weights are in kg. Heavy lift on.

| Straight Position | Stick 3400 mm |        |        |       | Shoes 600 mm |       |        |       | Without tool |       |      |      |
|-------------------|---------------|--------|--------|-------|--------------|-------|--------|-------|--------------|-------|------|------|
|                   | 4,5 m         | 6 m    | 7,5 m  | 9 m   | 10,5 m       | 12 m  | 13,5 m | 15 m  | Maxi         | m     |      |      |
| 16,5 m            | 13557*        | 11001* | 10971* | 9051* | 8147*        | 7041* | 5999*  | 5217* | 6434*        | 6434* | 8,8  |      |
| 15 m              | 13557*        | 13057* | 10971* | 9051* | 8147*        | 7041* | 5999*  | 5217* | 6434*        | 6434* | 8,8  |      |
| 13,5 m            |               | 12423* | 10728* | 9064* | 8147*        | 7041* | 5999*  | 5217* | 8173*        | 8173* | 10,2 |      |
| 12 m              | 11393*        | 12586* | 11251* | 9048* | 7838*        | 7041* | 7041*  |       | 7237*        | 7237* | 11,5 |      |
| 10,5 m            | 17707*        | 14342* | 11007* | 9324* | 8065*        | 6893* | 6893*  |       | 6539*        | 6200  | 12,6 |      |
| 9 m               |               | 13686* | 11445* | 9407* | 7935*        | 6925* | 6845   | 5999* | 5322         | 6012* | 5335 | 13,5 |
| 7,5 m             |               |        | 11331* | 9522* | 8058*        | 6994* | 6687   | 5955* | 5219         | 5586* | 4732 | 14,2 |
| 6 m               |               |        |        | 9568* | 9299         | 6870* | 6196   | 5947* | 5113         | 5217* | 4318 | 14,7 |
| 4,5 m             |               |        |        | 9384* | 8564         | 6792* | 5895   | 5883* | 4961         | 4970* | 4118 | 15   |
| 3 m               |               |        |        | 8723* | 7790         | 6607* | 5632   | 5660* | 4742         | 4757* | 4027 | 15,1 |
| 1,5 m             |               |        |        | 8039* | 7533         | 6427* | 5535   | 5382* | 4622         | 4332* | 3916 | 15,1 |
| 0 m               |               |        |        | 7112* | 7112*        | 6706* | 6378   | 5889* | 5378         | 4959* | 4544 | 15   |



Load Point Height



Load Radius Over Front



Load Radius Over Side

\* Limited by hydraulic rather than tipping load.



## Technical Supplement

**The DEM50 is not available in all regions. We reserve the right to alter specifications and design, without prior notification. In some instances, illustrations within this document may not accurately depict the standard configuration of the product.**

[www.demlone.com](http://www.demlone.com)