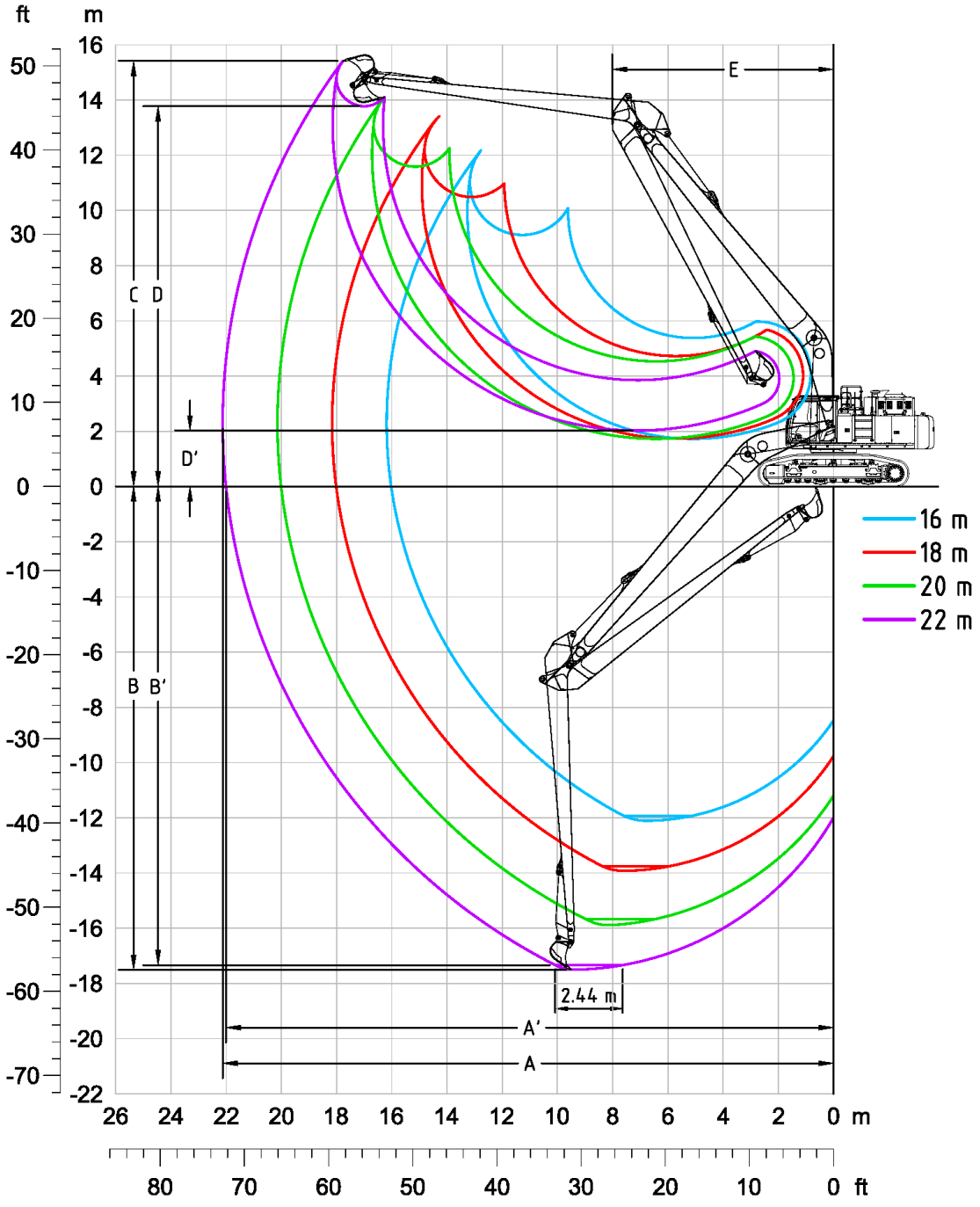
# Long Reach 45-50t

16m Supply = 9.10m boom + 6.30m dipper + 45t Class Linkage (Bucket 1.6m³ R1.9m)
18m Supply = 10.30m boom + 7.50m dipper + 35t Class Linkage (Bucket 1.4m³ R1.7m)
20m Supply = 11.60m boom + 8.80m dipper + 35t Class Linkage (Bucket 1.2m³ R1.5m)
22m Supply = 12.85m boom + 10.05m dipper + 20t Class Linkage (Bucket 1.0m³ R1.0m)




Unit: mm

| Equipment Outreach | | 16m | 18m | 20m | 22m |
|---|---|---|---|---|---|
| A | Max. digging reach | 16 180 | 18 160 | 20 140 | 22 120 |
| A' | Max. digging reach (on ground) | 16 020 | 18 010 | 20 010 | 22 010 |
| B | Max. digging depth | 12 110 | 13 920 | 15 890 | 17 500 |
| B' | Max. digging depth for 2.44m level | 11 940 | 13 750 | 15 680 | 17 340 |
| C | Max. cutting height | 12 060 | 13 420 | 13 980 | 15 410 |
| D | Max. dumping height | 9 110 | 10 490 | 11 590 | 13 770 |
| D' | Min. dumping height | 1 730 | 1 730 | 1 730 | 2 030 |
| E | Min. swing radius | 5 930 | 6 600 | 7 320 | 8 020 |



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Notes:

1. Ratings are based on ISO 10567. Capacities do not exceed 87% of hydraulic capacity or 75% of tipping capacity.
2. Lifting capacities are calculated at attachment pivot pin. Attachment not included in figures.
3. Rated loads marked "**underlined**" are limited by hydraulic capacity.

Rating over front  Rating over side

## 16m Outreach

| Conditions | Load point height (m) | At max. reach | | | Attachment pin horizontal distance from slew pivot | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 14.0 m | | 11.5 m | | 9.0 m | | 6.5 m | | 4.0 m | | 1.5 m | |
| | | Front | Side | Reach (m) | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side |
| 4.5t additional counterweight | 10.0 | 4720 | 4720 | 11.99 | | | 5699 | 5699 | | | | | | | | |
| | 7.5 | 4719 | 4719 | 13.28 | | | 7178 | 7178 | | | | | | | | |
| | 5.0 | 4914 | 4914 | 14.02 | 4977 | 4977 | 7780 | 7780 | 8926 | 8926 | | | | | | |
| | 2.5 | 5315 | 5315 | 14.28 | 6335 | 5914 | 8537 | 7834 | 10437 | 10437 | 14320 | 14320 | 14840 | 14840 | | |
| | 0.0 | 6005 | 5705 | 14.10 | 6462 | 5760 | 9197 | 7506 | 11702 | 10353 | 16680 | 15891 | 10840 | 10840 | | |
| | -2.5 | 7207 | 5971 | 13.45 | | | 9501 | 7290 | 12318 | 9972 | 17425 | 15322 | 13913 | 13913 | 9488 | 9488 |
| | -5.0 | 8367 | 6691 | 12.27 | | | 9127 | 7238 | 12037 | 9856 | 16697 | 15238 | 18653 | 18653 | 13531 | 13531 |
| | -7.5 | 8714 | 8397 | 10.36 | | | | | 10449 | 10007 | 14376 | 14376 | 20983 | 20983 | | |
| Unit: kg | -10.0 | 8443 | 8443 | 7.17 | | | | | | | 9343 | 9343 | | | | |

## 18m Outreach

| Conditions | Load point height (m) | At max. reach | | | Attachment pin horizontal distance from slew pivot | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 16.0 m | | 13.0 m | | 10.0 m | | 7.0 m | | 4.0 m | | 1.0 m | |
| | | Front | Side | Reach (m) | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side |
| 4.5t additional counterweight | 10.0 | 3739 | 3739 | 14.52 | | | | | | | | | | | | |
| | 7.5 | 3784 | 3784 | 15.60 | | | 5931 | 5931 | | | | | | | | |
| | 5.0 | 3947 | 3947 | 16.23 | 4473 | 4473 | 6415 | 6415 | | | | | | | | |
| | 2.5 | 4240 | 4240 | 16.46 | 5396 | 4770 | 6985 | 6489 | 8684 | 8684 | 12317 | 12317 | 11049 | 11049 | | |
| | 0.0 | 4709 | 4506 | 16.30 | 5642 | 4629 | 7501 | 6183 | 9701 | 8751 | 14355 | 13883 | 8098 | 8098 | | |
| | -2.5 | 5461 | 4633 | 15.75 | | | 7820 | 5957 | 10320 | 8338 | 15233 | 13208 | 10165 | 10165 | 7226 | 7226 |
| | -5.0 | 6644 | 5002 | 14.75 | | | 7783 | 5850 | 10393 | 8145 | 15050 | 13003 | 13235 | 13235 | 9838 | 9838 |
| | -7.5 | 6940 | 5786 | 13.21 | | | 7112 | 5898 | 9762 | 8160 | 13867 | 13112 | 17081 | 17081 | 12766 | 12766 |
| Unit: kg | -10.0 | 7136 | 7136 | 10.90 | | | | | 8016 | 8016 | 11408 | 11408 | 17174 | 17174 | | |

## 20m Outreach

| Conditions | Load point height (m) | At max. reach | | | Attachment pin horizontal distance from slew pivot | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 18.5 m | | 15.5 m | | 12.5 m | | 9.5 m | | 6.5 m | | 3.5 m | |
| | | Front | Side | Reach (m) | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side |
| 4.5t additional counterweight | 12.0 | 3156 | 3156 | 15.88 | | | 3578 | 3578 | | | | | | | | |
| | 9.0 | 3175 | 3175 | 17.38 | | | 4539 | 4539 | | | | | | | | |
| | 6.0 | 3313 | 3313 | 18.26 | | | 4842 | 4842 | | | | | | | | |
| | 3.0 | 3579 | 3579 | 18.63 | 3817 | 3662 | 5240 | 4893 | 6210 | 6210 | 7927 | 7927 | 11684 | 11684 | 7686 | 7686 |
| | 0.0 | 4016 | 3515 | 18.50 | 4020 | 3515 | 5624 | 4593 | 6916 | 6209 | 9236 | 8905 | 14329 | 14329 | 5381 | 5381 |
| | -3.0 | 4734 | 3585 | 17.87 | | | 5869 | 4366 | 7389 | 5809 | 9999 | 8240 | 15103 | 13466 | 7607 | 7607 |
| | -6.0 | 5283 | 3880 | 16.69 | | | 5822 | 4261 | 7472 | 5609 | 10077 | 7966 | 14853 | 13265 | 10336 | 10336 |
| | -9.0 | 5577 | 4567 | 14.81 | | | | | 6973 | 5623 | 9378 | 8003 | 13370 | 13370 | 13526 | 13526 |
| Unit: kg | -12.0 | 5789 | 5789 | 11.91 | | | | | | | 7572 | 7572 | 10502 | 10502 | 16002 | 16002 |

## 22m Outreach

| Conditions | Load point height (m) | At max. reach | | | Attachment pin horizontal distance from slew pivot | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 21.0 m | | 17.5 m | | 14.0 m | | 10.5 m | | 7.0 m | | 3.5 m | |
| | | Front | Side | Reach (m) | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side | Front | Side |
| 4.5t additional counterweight | 12.0 | 2480 | 2480 | 18.74 | | | 3484 | 3484 | | | | | | | | |
| | 9.0 | 2504 | 2504 | 20.02 | | | 3742 | 3742 | | | | | | | | |
| | 6.0 | 2602 | 2602 | 20.79 | | | 3961 | 3961 | | | | | | | | |
| | 3.0 | 2780 | 2780 | 21.11 | 2951 | 2871 | 4232 | 3966 | 5079 | 5079 | 6596 | 6596 | 10006 | 10006 | 5876 | 5876 |
| | 0.0 | 3060 | 2745 | 21.00 | 3066 | 2745 | 4496 | 3696 | 5579 | 5127 | 7557 | 7524 | 12086 | 12086 | 4100 | 4100 |
| | -3.0 | 3494 | 2763 | 20.45 | | | 4683 | 3479 | 5949 | 4732 | 8190 | 6831 | 12660 | 11348 | 5791 | 5791 |
| | -6.0 | 4108 | 2918 | 19.43 | | | 4708 | 3353 | 6091 | 4496 | 8386 | 6481 | 12886 | 11007 | 7827 | 7827 |
| | -9.0 | 4289 | 3279 | 17.84 | | | 4422 | 3355 | 5902 | 4434 | 8090 | 6412 | 12031 | 11101 | 10134 | 10134 |
| | -12.0 | 4438 | 4035 | 15.53 | | | | | 5177 | 4562 | 7169 | 6585 | 10328 | 10328 | 12813 | 12813 |
| Unit: kg | -15.0 | 4373 | 4373 | 12.06 | | | | | | | 5222 | 5222 | 7382 | 7382 | | |