

# BUYERS GUIDE



Facelift shows off its Bronto's maximum outreach.

## Who's got the

# LONGEST?

Longest boom length, outreach and working height are critical factors when buying or hiring lifting equipment. Tim Whiteman searches for the longest and the highest

**W**hat's the maximum outreach of this machine? A vital question for anybody buying or renting lifting equipment. It's not a figure that you always see and so *Cranes & Access* has collated the data for you in a series of compact tables.

The results of our research are in the accompanying tables and speak for themselves but it is worth pulling out a few specific models for particular mention. The Demag AC30 thirty tonne mobile crane, for example sneaks in at number ten in our listing of mobile cranes on up to 3-axes. What's so impressive about that? The AC 30 has just two axles and is competing with 50 tonne capacity cranes on 3-axes.

Also worth a mention are the 5-axle cranes which have extraordinary hook heights - Liebherr's 1200/1 manages an astounding 103 metres.

For the large truck mounted platforms Ruthman's giant TTS 1000 is, perhaps unsurprisingly, the winner with a maximum outreach of 40 metres. Seeing this figure printed in a magazine it's easy to forget how utterly extraordinary that is. This writer can assure you that once you have seen the TTS 1000 boom extended horizontally to a 40 metre radius at a height of more than 50 metres, you do not forget it!

Less spectacular, but perhaps more relevant to most readers are the figures for platforms mounted on 3.5 tonne trucks. For the last few years people passing their driving test have been limited to driving 3.5 tonne vehicles (not 7.5 tonne as was previously the case). This means there is increasing demand for platforms mounted on 3.5 tonne vans or trucks and manufacturers are responding by squeezing ever greater performance out of this class.

Also interesting is noting the models that our German sister magazine, *Kran & Bühne*, included in its listing but which are not available in the UK. Four of the largest scissor lifts and one of the

articulated booms in those listings were made by Kretzler, a small German manufacturer unknown in this country. The listing for the self-erecting tower cranes was also very different as five models are not sold in the UK - two each were built by Koenig and Conecta but the fifth is a Potain crane marketed as the Cadillon 35A. The table for truck mounts on 3.5 tonne trucks also differed slightly as the number 2 slot was occupied by a unit built by ESDA of Germany and not apparently available in the UK. ■

● To find the UK dealer for equipment listed in this feature please consult the Dealer Directory published in this issue.

### Loader Cranes

Manufacturer/ Model	Maximum Outreach [m]	Load Moment [t/m]
MKG HMK 750	49,31	75
Effer 2200	48,00	220
MKG HMK 550	43,50	55
Palfinger PK 680	42,30	66,3
MKG HMK 950	41,38	95
MKG HMK 1150	41,34	115
MKG HMK 350	36,50	35
Cormach 120000 Tech 2+2	35,00	120
Cormach 88000 E6J ASC	33,46	88
Palfinger PK 120000	33,20	106

### Mobile Cranes: Up to 5-axes

Manufacturer/ Model	Hook Height[m]	Main boom [m]	Capacity [to]	Carrier Length [m]
Demag AC 160-1	103	68	160	12,11
Liebherr 1200/1	103	60	200	13,1
Grove GMK 5200	97	60	200	13,21
Liebherr 1160/2	96	60	160	13,3
Liebherr 1150/1	90	56	150	12,6
Grove GMK 5100	86	51	100	14,5
Demag AC 100	85	50,2	100	11
Demag AC 100 L	85	50,2	100	11,98
Liebherr 1100/2	84	52	100	11,2
Tadano Faun ATF 100-5	82	51	110	14,65

Source: *Cranes & Access*

### Mobile Cranes: Up to 3-axes

Manufacturer/ Model	Hook Height[m]	Main boom [m]	Capacity [to]	Carrier Length [m]
Demag AC 50-1	60	40	50	9,06
Liebherr LTM 1055/1	56	40	55	9,4
Tadano Faun ATF 50-3	55	38,6	50	11,38
Grove GMK 3050	53	38,1	50	8,4
Luna AT-40/35	52	34,3	40	10,535
Tadano Faun ATF 45-3	50	34	45	10,44
Liebherr LTM 1045/1	50	34	45	9,1
Demag AC 40-1	45	31,2	40	7,09
Compact Truck CT.3A	42	41	70	9,15
Demag AC 30	39	25	30	6,88

Source: *Cranes & Access*

## Self-erecting Tower Cranes

Manufacturer/ Model	Maximum Outreach [m]	Maximum Capacity [to]
Liebherr 120 K	50	8
Potain GTMR 386B	50	8
Liebherr 71 K	45	6
Peiner SMK 310	45	6
Potain HDT 80	45	6
Peiner SMK 308	42	5
Liebherr 56 K	40	4,5
Peiner SMK 206	35	4
Potain HDM 40 A	35	4
KSD TK 3211	32	4

Source: Cranes & Access

The Demag AC 50-1 leads the 3-axle field with a maximum hook height of 60 metres.



## Straight Booms

Manufacturer/ Model	Maximum Outreach [m]	Max. Working Height [m]
Basket SEL 34 LJTE-D	25,7	34,0
Terex TB 86	25,6	28,2
Genie S125	24,4	40,1
Liflux-Potain 2600 D	24,0	28,4
Grove Manlift T 86J	23,47	28,0
JLG 80HX+6	23,4	27,7
Genie S120	22,9	38,6
Skyjack SJB 87 TB	22,7	28,4
UpRight SB 80	22,0	26,4
Grove Manlift T 80	21,34	26,2

Source: Cranes & Access

## Articulated Platforms

Manufacturer/ Model	Maximum Outreach [m]	Max. Working Height [m]
JLG 150 HAX	24,16	47,72
Basket SEL 49 AJTE-D	24,0	49,00
Grove Manlift A 125 J	21,2	39,9
Grove Manlift A 80 J	19,7	26,2
Skyjack SJB-66TK	18,0	22,0
JLG 800 A	16,1	26,2
Haulotte HA 26 PX	13,5	26,0
Haulotte HA 20 PX	13,5	20,5
Snorkel AB60J	13,1	20,3
UpRight AB 62	10,7	20,9

Source: Cranes & Access

## Truck Mounted Platforms up to 3.5t

Manufacturer/ Model	Maximum Outreach [m]	Max. Working Height [kg]
Pagliero Multitel 180 ALU	11,5	18,2
Denka-Lift DL 21 T	10,8	21,0
Versalift LT62NE	10,8	21,0
Skyking GSR E 190 P	10,5	19,2
Denka-Lift DL 19 T	10,5	19,0
Pagliero Multitel 160 ALU	10,2	16,3
Pagliero Multitel 220 ALU	10,0	22,2
Bison Stematec 17,5	10,0	17,5
Teupen Euro B 20	9,9	20,0
Pagliero EC 20 ALU	9,8	18,2

Source: Cranes & Access

## Scissor Lifts

Manufacturer/ Model	Max. Working Height [m]	Capacity [kg]
Liflux-Potain SL 320-30D	40,0	1400
GSL S330D30-4WD	35,0	1000
Holland Lift G-300 DL30/S	33,5	800
Liflux-Potain SI 260-25D	28,0	1000
GSL S238D24-4WDN	25,8	800
GSL S205D24-4WDN	22,5	800
Liflux-Potain SL 205-25D	22,5	1000
Holland Lift B-195 DL25-4WD/P/N	21,5	800
Holland Lift B-165 DL25-4WD/P/N	18,5	650
Basket F 1550 D	17,5	500

Source: Cranes & Access

The tables published in our German sister magazine, Kran & Bühne, can be viewed on-line at [www.Vertikal.net/de/journal.php?under=„Wer hat den Längsten?“](http://www.Vertikal.net/de/journal.php?under=„Wer+hat+den+Längsten?“)

## Truck Mounted Platforms

Manufacturer/ Model	Maximum Outreach [m]	Max. Working Height [kg]
Ruthmann TTS 1000	40,0	100,4
Bronto S 62 MDT	37,0	62,0
Wumag WT 575	36,0	58,0
Ruthmann TU 700	34,0	69,7
Ruthmann TU 610	34,0	60,3
Wumag WT 620	34,0	62,0
Bronto S 70 MDT	34,0	70,0
Bronto S 50 MDT	33,7	50,0
Pagliero Multitel J2 372 TA	33,0	72,0
Pagliero Multitel J2 361 TA	33,0	61,0
Pagliero Multitel J 357 TA	33,0	57,0

Source: Cranes & Access