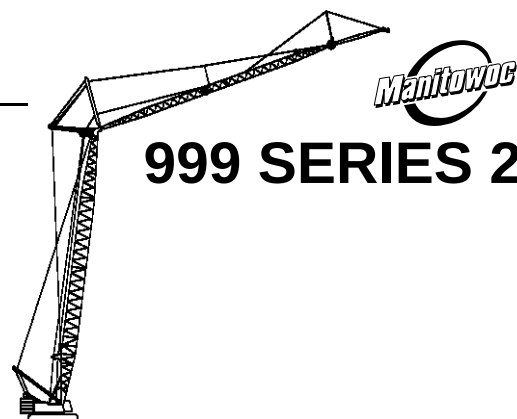


# Liftcrane Luffing Jib Intermediate Fall Capacities

**Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating**

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths, boom angles, luffing jib lengths, fixed jib lengths and intermediate fall operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

Lower boom point assembly must be completely removed on 57.9m and 61.0m boom lengths. When equipped with boom catwalks, refer to the appropriate raising table for any additional restrictions.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath intermediate fall is considered part of intermediate fall load. 1 360 kg suspended beneath luffing jib point sheaves has been included in capacity determination. Fixed jib weight and 680 kg suspended beneath fixed jib point also included in capacity determination. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 13 mm in 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to fixed jib assembly **No. 179361**, luffing jib assembly **No. A09286** (No. 22EL) or **No. A09287** (No. 82), Wire Rope Specification chart **No. 8247-A** and Luffing Jib Raising Procedure chart **No. 8248-B**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

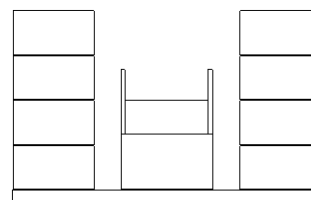
**MACHINE TRAVEL:** Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8249-B**.

**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**INTERMEDIATE FALL ELEVATION:** Intermediate fall elevation is vertical distance from ground level to centerline of intermediate fall shaft.

**MACHINE EQUIPMENT:** Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps or four 35 mm boom pendants, 8 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Consult chart **No. 8236-AM** for luffing jib capacities. Consult chart **No. 8266-AM** for fixed jib on luffing jib capacities. Consult chart **No. 8583-AM** for intermediate fall capacities with fixed jib removed.



83 730 kg Crane Counterweight  
8 Side Boxes - 1 Center Box

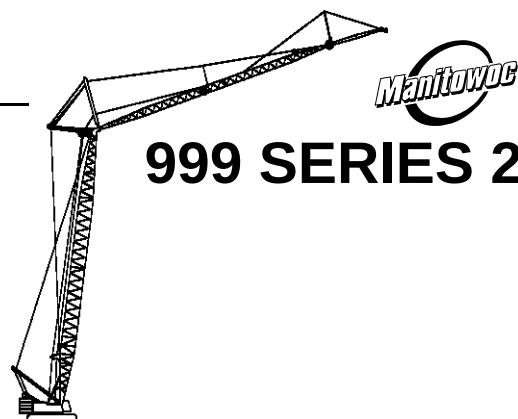
#### Boom Catwalks Deduct

Deduct 150 kg from capacities  
when boom catwalks are attached.

# Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 138 At  
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83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

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The Scope of ANSI B30.5



**48.8m (160 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib**

**9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall<br>Oper.<br>Rad.<br>Meters | 88 Degree<br>Boom Angle |                   |                       | 83 Degree<br>Boom Angle |                   |                       | 70 Degree<br>Boom Angle |                   |                       | Int. Fall<br>Oper.<br>Rad.<br>Meters |
|--------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|--------------------------------------|
|                                      | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       |                                      |
|                                      |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                                      |
| 10.7                                 | 71.8                    | 69.5              | 6 800*                |                         |                   |                       |                         |                   |                       | 10.7                                 |
| 12.0                                 | 67.6                    | 69.0              | 6 800*                |                         |                   |                       |                         |                   |                       | 12.0                                 |
| 14.0                                 | 60.9                    | 68.0              | 6 800*                |                         |                   |                       |                         |                   |                       | 14.0                                 |
| 16.0                                 | 53.9                    | 66.6              | 6 800*                | 68.3                    | 68.7              | 6 800*                |                         |                   |                       | 16.0                                 |
| 18.0                                 | 46.0                    | 64.9              | 5 900*                | 61.7                    | 67.7              | 6 800*                |                         |                   |                       | 18.0                                 |
| 20.0                                 | 36.9                    | 62.5              | 4 900*                | 54.7                    | 66.4              | 6 700*                |                         |                   |                       | 20.0                                 |
| 22.0                                 | 25.0                    | 59.0              | 4 100*                | 47.0                    | 64.7              | 6 300*                |                         |                   |                       | 22.0                                 |
| 24.0                                 |                         |                   |                       | 38.1                    | 62.5              | 5 000*                |                         |                   |                       | 24.0                                 |
| 26.0                                 |                         |                   |                       | 26.7                    | 59.1              | 4 200*                |                         |                   |                       | 26.0                                 |
| 32.0                                 |                         |                   |                       |                         |                   |                       | 49.8                    | 62.7              | 6 800*                | 32.0                                 |
| 34.0                                 |                         |                   |                       |                         |                   |                       | 41.4                    | 60.6              | 5 500*                | 34.0                                 |
| 36.0                                 |                         |                   |                       |                         |                   |                       | 31.1                    | 57.7              | 4 600*                | 36.0                                 |
| 38.0                                 |                         |                   |                       |                         |                   |                       | 15.4                    | 52.8              | 3 900*                | 38.0                                 |

**48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib**

**9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

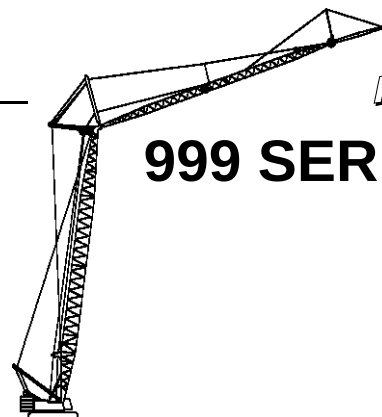
| Int. Fall<br>Oper.<br>Rad.<br>Meters | 88 Degree<br>Boom Angle |                   |                       | 83 Degree<br>Boom Angle |                   |                       | 70 Degree<br>Boom Angle |                   |                       | Int. Fall<br>Oper.<br>Rad.<br>Meters |
|--------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|--------------------------------------|
|                                      | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       |                                      |
|                                      |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                                      |
| 10.7                                 | 71.8                    | 69.5              | 6 800*                |                         |                   |                       |                         |                   |                       | 10.7                                 |
| 12.0                                 | 67.6                    | 69.0              | 6 800*                |                         |                   |                       |                         |                   |                       | 12.0                                 |
| 14.0                                 | 60.9                    | 68.0              | 6 800*                |                         |                   |                       |                         |                   |                       | 14.0                                 |
| 16.0                                 | 53.9                    | 66.6              | 6 600*                | 68.3                    | 68.7              | 6 800*                |                         |                   |                       | 16.0                                 |
| 18.0                                 | 46.0                    | 64.9              | 5 700*                | 61.7                    | 67.7              | 6 800*                |                         |                   |                       | 18.0                                 |
| 20.0                                 | 36.9                    | 62.5              | 4 600*                | 54.7                    | 66.4              | 6 700*                |                         |                   |                       | 20.0                                 |
| 22.0                                 | 25.0                    | 59.0              | 3 900*                | 47.0                    | 64.7              | 5 900*                |                         |                   |                       | 22.0                                 |
| 24.0                                 |                         |                   |                       | 38.1                    | 62.5              | 4 800*                |                         |                   |                       | 24.0                                 |
| 26.0                                 |                         |                   |                       | 26.7                    | 59.1              | 4 000*                |                         |                   |                       | 26.0                                 |
| 32.0                                 |                         |                   |                       |                         |                   |                       | 49.8                    | 62.7              | 6 500*                | 32.0                                 |
| 34.0                                 |                         |                   |                       |                         |                   |                       | 41.4                    | 60.6              | 5 200*                | 34.0                                 |
| 36.0                                 |                         |                   |                       |                         |                   |                       | 31.1                    | 57.7              | 4 300*                | 36.0                                 |
| 38.0                                 |                         |                   |                       |                         |                   |                       | 15.4                    | 52.8              | 3 700*                | 38.0                                 |

# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 2**

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**48.8m (160 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 71.8                 | 69.5              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 67.6                 | 69.0              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 60.9                 | 68.0              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 53.9                 | 66.6              | 6 500*             | 68.3                 | 68.7              | 6 800*             |                      |                   |                    | 16.0                        |
| 18.0                        | 46.0                 | 64.9              | 5 500*             | 61.7                 | 67.7              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 36.9                 | 62.5              | 4 500*             | 54.7                 | 66.4              | 6 700*             |                      |                   |                    | 20.0                        |
| 22.0                        | 25.0                 | 59.0              | 3 800*             | 47.0                 | 64.7              | 5 800*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 38.1                 | 62.5              | 4 700*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 26.7                 | 59.1              | 3 900*             |                      |                   |                    | 26.0                        |
| 32.0                        |                      |                   |                    |                      |                   |                    | 49.8                 | 62.7              | 6 300*             | 32.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 41.4                 | 60.6              | 5 100*             | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 31.1                 | 57.7              | 4 200*             | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 15.4                 | 52.8              | 3 600*             | 38.0                        |

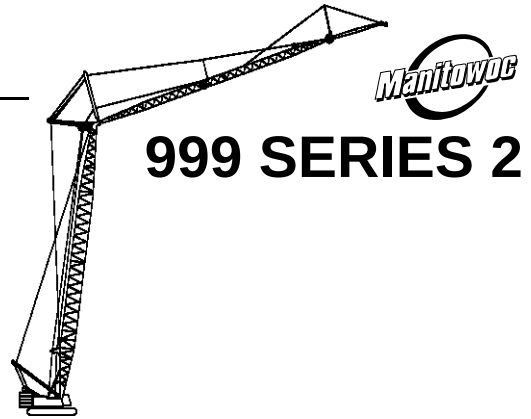
**48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 71.8                 | 69.5              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 67.6                 | 69.0              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 60.9                 | 68.0              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 53.9                 | 66.6              | 6 500*             | 68.3                 | 68.7              | 6 800*             |                      |                   |                    | 16.0                        |
| 18.0                        | 46.0                 | 64.9              | 5 500*             | 61.7                 | 67.7              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 36.9                 | 62.5              | 4 500*             | 54.7                 | 66.4              | 6 700*             |                      |                   |                    | 20.0                        |
| 22.0                        | 25.0                 | 59.0              | 3 800*             | 47.0                 | 64.7              | 5 700*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 38.1                 | 62.5              | 4 600*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 26.7                 | 59.1              | 4 000*             |                      |                   |                    | 26.0                        |
| 32.0                        |                      |                   |                    |                      |                   |                    | 49.8                 | 62.7              | 6 300*             | 32.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 41.4                 | 60.6              | 5 100*             | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 31.1                 | 57.7              | 4 200*             | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 15.4                 | 52.8              | 3 200              | 38.0                        |

# Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



## 54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib 9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 72.4                 | 75.7              | 6 800*             |                      |                   | 6 800*             |                      |                   |                    | 10.7                        |
| 12.0                        | 68.2                 | 75.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 61.7                 | 74.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 54.6                 | 72.9              | 6 800*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 46.9                 | 71.2              | 6 100*             |                      |                   |                    |                      |                   |                    | 18.0                        |
| 20.0                        | 38.0                 | 68.9              | 5 000*             | 57.4                 | 73.0              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 26.5                 | 65.6              | 4 200*             | 50.0                 | 71.5              | 6 500*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 41.6                 | 69.4              | 5 600*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 31.4                 | 66.6              | 4 500*             |                      |                   |                    | 26.0                        |
| 32.0                        |                      |                   |                    |                      |                   |                    |                      |                   |                    | 57.5                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 50.1                 | 68.4              | 6 600*             | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 41.8                 | 66.4              | 5 800*             | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 31.6                 | 63.6              | 4 700*             | 38.0                        |

## 54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib 9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib

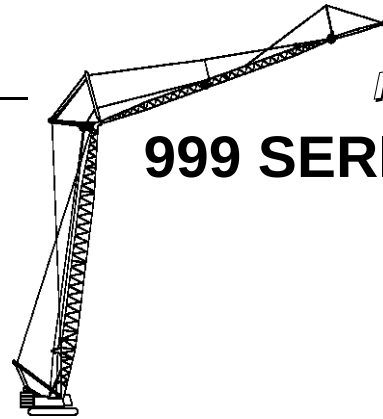
| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 72.4                 | 75.7              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 68.2                 | 75.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 61.7                 | 74.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 54.6                 | 72.9              | 6 700*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 46.9                 | 71.2              | 5 900*             | 64.2                 | 74.2              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 38.0                 | 68.9              | 4 800*             | 57.4                 | 73.0              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 26.5                 | 65.6              | 4 000*             | 50.0                 | 71.5              | 6 400*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 41.6                 | 69.4              | 5 200*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 31.4                 | 66.6              | 4 300*             |                      |                   |                    | 26.0                        |
| 32.0                        |                      |                   |                    |                      |                   |                    | 57.5                 | 70.0              | 6 800*             | 32.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 50.1                 | 68.4              | 6 500*             | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 41.8                 | 66.4              | 5 500*             | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 31.6                 | 63.6              | 4 400              | 38.0                        |

# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 2**

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 72.4                 | 75.7              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 68.2                 | 75.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 61.7                 | 74.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 54.6                 | 72.9              | 6 600*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 46.9                 | 71.2              | 5 700*             | 64.2                 | 74.2              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 38.0                 | 68.9              | 4 600*             | 57.4                 | 73.0              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 26.5                 | 65.6              | 3 900*             | 50.0                 | 71.5              | 6 300*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 41.6                 | 69.4              | 5 100*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 31.4                 | 66.6              | 4 200*             |                      |                   |                    | 26.0                        |
| 32.0                        |                      |                   |                    |                      |                   |                    | 57.5                 | 70.0              | 6 800*             | 32.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 50.1                 | 68.4              | 6 300              | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 41.8                 | 66.4              | 4 900              | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 31.6                 | 63.6              | 3 600              | 38.0                        |

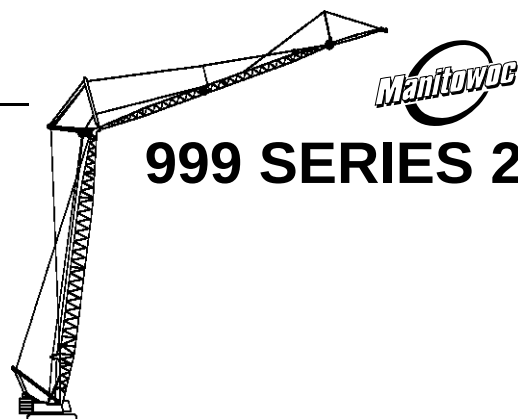
**54.9m (180 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall<br>Oper. Rad.<br>Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall<br>Oper. Rad.<br>Meters |
|-----------------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------------|
|                                   | Jib Angle<br>Degrees | Intermediate Fall |                    | Jib Angle<br>Degrees | Intermediate Fall |                    | Jib Angle<br>Degrees | Intermediate Fall |                    |                                   |
|                                   |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                                   |
| 10.7                              | 72.4                 | 75.7              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                              |
| 12.0                              | 68.2                 | 75.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                              |
| 14.0                              | 61.7                 | 74.2              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                              |
| 16.0                              | 54.6                 | 72.9              | 6 600*             |                      |                   |                    |                      |                   |                    | 16.0                              |
| 18.0                              | 46.9                 | 71.2              | 5 700*             | 64.2                 | 74.2              | 6 800*             |                      |                   |                    | 18.0                              |
| 20.0                              | 38.0                 | 68.9              | 4 700*             | 57.4                 | 73.0              | 6 800*             |                      |                   |                    | 20.0                              |
| 22.0                              | 26.5                 | 65.6              | 4 000*             | 50.0                 | 71.5              | 6 300*             |                      |                   |                    | 22.0                              |
| 24.0                              |                      |                   |                    | 41.6                 | 69.4              | 5 100*             |                      |                   |                    | 24.0                              |
| 26.0                              |                      |                   |                    | 31.4                 | 66.6              | 4 200*             |                      |                   |                    | 26.0                              |
| 32.0                              |                      |                   |                    |                      |                   |                    | 57.5                 | 70.0              | 6 800*             | 32.0                              |
| 34.0                              |                      |                   |                    |                      |                   |                    | 50.1                 | 68.4              | 5 700              | 34.0                              |
| 36.0                              |                      |                   |                    |                      |                   |                    | 41.8                 | 66.4              | 4 300              | 36.0                              |
| 38.0                              |                      |                   |                    |                      |                   |                    | 31.6                 | 63.6              | 3 000              | 38.0                              |

# Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**57.9m (190 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib**  
**9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 72.8                 | 78.8              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 68.6                 | 78.3              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 62.0                 | 77.3              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 55.0                 | 76.0              | 6 800*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 47.3                 | 74.3              | 6 200*             | 65.4                 | 77.4              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 38.5                 | 72.1              | 5 100*             | 58.7                 | 76.3              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 27.2                 | 68.8              | 4 300*             | 51.4                 | 74.8              | 6 700*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 43.2                 | 72.9              | 5 900*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 33.5                 | 70.2              | 4 800*             |                      |                   |                    | 26.0                        |
| 28.0                        |                      |                   |                    | 19.7                 | 66.0              | 4 000*             |                      |                   |                    | 28.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 54.1                 | 72.2              | 6 700              | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 46.3                 | 70.4              | 5 900              | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 37.2                 | 68.1              | 4 700              | 38.0                        |
| 40.0                        |                      |                   |                    |                      |                   |                    | 25.5                 | 64.6              | 3 600              | 40.0                        |

**57.9m (190 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib**  
**9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

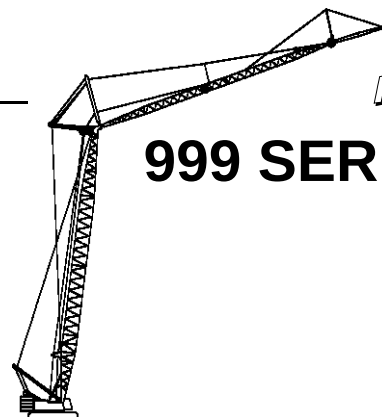
| Int. Fall<br>Oper.<br>Rad.<br>Meters | 88 Degree<br>Boom Angle |                   |                       | 83 Degree<br>Boom Angle |                   |                       | 70 Degree<br>Boom Angle |                   |                       | Int. Fall<br>Oper.<br>Rad.<br>Meters |
|--------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|--------------------------------------|
|                                      | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       |                                      |
|                                      |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                                      |
| 10.7                                 | 72.8                    | 78.8              | 6 800*                |                         |                   |                       |                         |                   |                       | 10.7                                 |
| 12.0                                 | 68.6                    | 78.3              | 6 800*                |                         |                   |                       |                         |                   |                       | 12.0                                 |
| 14.0                                 | 62.0                    | 77.3              | 6 800*                |                         |                   |                       |                         |                   |                       | 14.0                                 |
| 16.0                                 | 55.0                    | 76.0              | 6 800*                |                         |                   |                       |                         |                   |                       | 16.0                                 |
| 18.0                                 | 47.3                    | 74.3              | 5 900*                | 65.4                    | 77.4              | 6 800*                |                         |                   |                       | 18.0                                 |
| 20.0                                 | 38.5                    | 72.1              | 4 900*                | 58.7                    | 76.3              | 6 800*                |                         |                   |                       | 20.0                                 |
| 22.0                                 | 27.2                    | 68.8              | 4 100*                | 51.4                    | 74.8              | 6 500*                |                         |                   |                       | 22.0                                 |
| 24.0                                 |                         |                   |                       | 43.2                    | 72.9              | 5 500*                |                         |                   |                       | 24.0                                 |
| 26.0                                 |                         |                   |                       | 33.5                    | 70.2              | 4 500*                |                         |                   |                       | 26.0                                 |
| 28.0                                 |                         |                   |                       | 19.7                    | 66.0              | 3 800*                |                         |                   |                       | 28.0                                 |
| 34.0                                 |                         |                   |                       |                         |                   |                       | 54.1                    | 72.2              | 6 500                 | 34.0                                 |
| 36.0                                 |                         |                   |                       |                         |                   |                       | 46.3                    | 70.4              | 5 500                 | 36.0                                 |
| 38.0                                 |                         |                   |                       |                         |                   |                       | 37.2                    | 68.1              | 4 300                 | 38.0                                 |
| 40.0                                 |                         |                   |                       |                         |                   |                       | 25.5                    | 64.6              | 3 200                 | 40.0                                 |

# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 2**

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**57.9m (190 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 72.8                 | 78.8              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 68.6                 | 78.3              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 62.0                 | 77.3              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 55.0                 | 76.0              | 6 700*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 47.3                 | 74.3              | 5 900*             | 65.4                 | 77.4              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 38.5                 | 72.1              | 4 700*             | 58.7                 | 76.3              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 27.2                 | 68.8              | 4 000*             | 51.4                 | 74.8              | 6 400*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 43.2                 | 72.9              | 5 400*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 33.5                 | 70.2              | 4 400*             |                      |                   |                    | 26.0                        |
| 28.0                        |                      |                   |                    | 19.7                 | 66.0              | 3 700*             |                      |                   |                    | 28.0                        |
| 34.0                        |                      |                   |                    |                      |                   |                    | 54.1                 | 72.2              | 6 200              | 34.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 46.3                 | 70.4              | 4 800              | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 37.2                 | 68.1              | 3 600              | 38.0                        |
| 40.0                        |                      |                   |                    |                      |                   |                    | 25.5                 | 64.6              | 2 500              | 40.0                        |

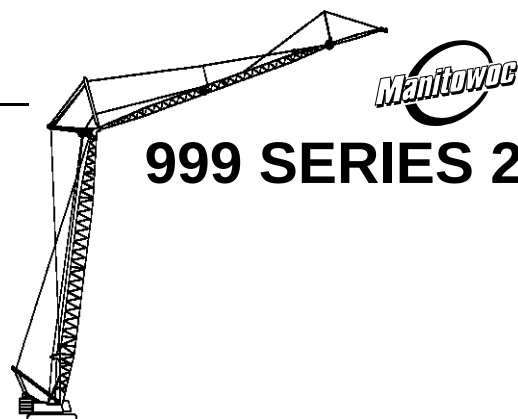
**57.9m (190 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall<br>Oper.<br>Rad.<br>Meters | 88 Degree<br>Boom Angle |                   |                       | 83 Degree<br>Boom Angle |                   |                       | 70 Degree<br>Boom Angle |                   |                       | Int. Fall<br>Oper.<br>Rad.<br>Meters |
|--------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|--------------------------------------|
|                                      | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       |                                      |
|                                      |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                                      |
| 10.7                                 | 72.8                    | 78.8              | 6 800*                |                         |                   |                       |                         |                   |                       | 10.7                                 |
| 12.0                                 | 68.6                    | 78.3              | 6 800*                |                         |                   |                       |                         |                   |                       | 12.0                                 |
| 14.0                                 | 62.0                    | 77.3              | 6 800*                |                         |                   |                       |                         |                   |                       | 14.0                                 |
| 16.0                                 | 55.0                    | 76.0              | 6 700*                |                         |                   |                       |                         |                   |                       | 16.0                                 |
| 18.0                                 | 47.3                    | 74.3              | 5 800*                | 65.4                    | 77.4              | 6 800*                |                         |                   |                       | 18.0                                 |
| 20.0                                 | 38.5                    | 72.1              | 4 700*                | 58.7                    | 76.3              | 6 800*                |                         |                   |                       | 20.0                                 |
| 22.0                                 | 27.2                    | 68.8              | 4 000*                | 51.4                    | 74.8              | 6 400*                |                         |                   |                       | 22.0                                 |
| 24.0                                 |                         |                   |                       | 43.2                    | 72.9              | 5 300*                |                         |                   |                       | 24.0                                 |
| 26.0                                 |                         |                   |                       | 33.5                    | 70.2              | 4 400*                |                         |                   |                       | 26.0                                 |
| 28.0                                 |                         |                   |                       | 19.7                    | 66.0              | 3 800*                |                         |                   |                       | 28.0                                 |
| 34.0                                 |                         |                   |                       |                         |                   |                       | 54.1                    | 72.2              | 5 600                 | 34.0                                 |
| 36.0                                 |                         |                   |                       |                         |                   |                       | 46.3                    | 70.4              | 4 200                 | 36.0                                 |
| 38.0                                 |                         |                   |                       |                         |                   |                       | 37.2                    | 68.1              | 3 000                 | 38.0                                 |

# Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 138 At  
3 Degree Offset Angle On  
Luffing Jib No. 135 On  
Boom No. 82 or 22EL  
83 730 kg Crane Counterweight  
19 960 kg Carbody Counterweight  
360 Degree Rating

Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5



**999 SERIES 2**

**61.0m (200 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall Oper. Rad. Meters | 88 Degree Boom Angle |                   |                    | 83 Degree Boom Angle |                   |                    | 70 Degree Boom Angle |                   |                    | Int. Fall Oper. Rad. Meters |
|-----------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-----------------------------|
|                             | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    | Jib Angle Degrees    | Intermediate Fall |                    |                             |
|                             |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                      | Elev. Meters      | Capacity Kilograms |                             |
| 10.7                        | 73.1                 | 81.9              | 6 800*             |                      |                   |                    |                      |                   |                    | 10.7                        |
| 12.0                        | 68.9                 | 81.4              | 6 800*             |                      |                   |                    |                      |                   |                    | 12.0                        |
| 14.0                        | 62.4                 | 80.4              | 6 800*             |                      |                   |                    |                      |                   |                    | 14.0                        |
| 16.0                        | 55.4                 | 79.1              | 6 800*             |                      |                   |                    |                      |                   |                    | 16.0                        |
| 18.0                        | 47.8                 | 77.5              | 6 300*             | 66.7                 | 80.6              | 6 800*             |                      |                   |                    | 18.0                        |
| 20.0                        | 39.0                 | 75.3              | 5 200*             | 60.0                 | 79.5              | 6 800*             |                      |                   |                    | 20.0                        |
| 22.0                        | 27.9                 | 72.1              | 4 400*             | 52.8                 | 78.1              | 6 800*             |                      |                   |                    | 22.0                        |
| 24.0                        |                      |                   |                    | 44.8                 | 76.3              | 6 100*             |                      |                   |                    | 24.0                        |
| 26.0                        |                      |                   |                    | 35.5                 | 73.8              | 5 000*             |                      |                   |                    | 26.0                        |
| 28.0                        |                      |                   |                    | 22.9                 | 70.1              | 4 100*             |                      |                   |                    | 28.0                        |
| 36.0                        |                      |                   |                    |                      |                   |                    | 50.5                 | 74.2              | 5 800              | 36.0                        |
| 38.0                        |                      |                   |                    |                      |                   |                    | 42.2                 | 72.3              | 4 600              | 38.0                        |
| 40.0                        |                      |                   |                    |                      |                   |                    | 32.1                 | 69.5              | 3 600              | 40.0                        |
| 42.0                        |                      |                   |                    |                      |                   |                    | 17.3                 | 64.9              | 2 600              | 42.0                        |

**61.0m (200 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib  
9.1m (30 Ft.) - 18.3m (60 Ft.) Fixed Jib**

| Int. Fall<br>Oper.<br>Rad.<br>Meters | 88 Degree<br>Boom Angle |                   |                       | 83 Degree<br>Boom Angle |                   |                       | 70 Degree<br>Boom Angle |                   |                       | Int. Fall<br>Oper.<br>Rad.<br>Meters |
|--------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|--------------------------------------|
|                                      | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       | Jib<br>Angle<br>Degrees | Intermediate Fall |                       |                                      |
|                                      |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                         | Elev.<br>Meters   | Capacity<br>Kilograms |                                      |
| 10.7                                 | 73.1                    | 81.9              | 6 800*                |                         |                   |                       |                         |                   |                       | 10.7                                 |
| 12.0                                 | 68.9                    | 81.4              | 6 800*                |                         |                   |                       |                         |                   |                       | 12.0                                 |
| 14.0                                 | 62.4                    | 80.4              | 6 800*                |                         |                   |                       |                         |                   |                       | 14.0                                 |
| 16.0                                 | 55.4                    | 79.1              | 6 800*                |                         |                   |                       |                         |                   |                       | 16.0                                 |
| 18.0                                 | 47.8                    | 77.5              | 6 000*                | 66.7                    | 80.6              | 6 800*                |                         |                   |                       | 18.0                                 |
| 20.0                                 | 39.0                    | 75.3              | 4 900*                | 60.0                    | 79.5              | 6 800*                |                         |                   |                       | 20.0                                 |
| 22.0                                 | 27.9                    | 72.1              | 4 100*                | 52.8                    | 78.1              | 6 700*                |                         |                   |                       | 22.0                                 |
| 24.0                                 |                         |                   |                       | 44.8                    | 76.3              | 5 900*                |                         |                   |                       | 24.0                                 |
| 26.0                                 |                         |                   |                       | 35.5                    | 73.8              | 4 700*                |                         |                   |                       | 26.0                                 |
| 28.0                                 |                         |                   |                       | 22.9                    | 70.1              | 3 900*                |                         |                   |                       | 28.0                                 |
| 36.0                                 |                         |                   |                       |                         |                   |                       | 50.5                    | 74.2              | 5 400                 | 36.0                                 |
| 38.0                                 |                         |                   |                       |                         |                   |                       | 42.2                    | 72.3              | 4 200                 | 38.0                                 |
| 40.0                                 |                         |                   |                       |                         |                   |                       | 32.1                    | 69.5              | 3 200                 | 40.0                                 |
| 42.0                                 |                         |                   |                       |                         |                   |                       | 17.3                    | 64.9              | 2 100                 | 42.0                                 |