

Mannesmann
DEMAG Baumaschinen

HC 920
s/n-35065

Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Counterweight 0 t
Outrigger base 10 m

Radius
(m)

Main Boom (m)

	16.0	25.0 ²⁾	34.0 ²⁾	43.0 ²⁾	52.0 ³⁾
3.5	200.0*	-	-	-	-
4	188.0*	154.0	-	-	-
4.5	162.0	150.0	-	-	-
5	143.0	142.0	106.0	-	-
6	115.0	114.0	97.0	69.0	-
7	95.5	94.5	88.0	64.5	-
8	76.8	74.6	78.9	60.0	-
9	58.5	56.6	60.2	56.0	36.0
10	46.6	44.8	48.0	48.0	36.0
12	32.0	30.2	33.0	33.0	33.0
14	-	21.7	24.1	24.1	24.1
16	-	15.8	18.2	18.2	18.2
18	-	11.6	13.9	13.9	13.9
20	-	8.5	10.6	10.6	10.6
22	-	-	8.1	8.1	8.1
24	-	-	6.1	6.1	6.1
26	-	-	4.5	4.4	4.4
28	-	-	3.2	3.0	3.0
30	-	-	2.1	1.9	1.9

No. of Hoist Lines

*21/16

16

10

7

4

DS

005

DS = Operating mode switch on PAT-console

*add. attachment required (max. load 178 t on 16 falls)

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

Tele-Extension Jib and SL-mast fitted on basic boom

Mannesmann
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HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 34.0 m Pos. 83°

Counterweight 50 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)						
	18.0 ³⁾	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	50.0	38.6	-	-	-	-	-
12	49.0	37.2	31.0	-	-	-	-
14	48.0	36.0	30.0	25.0	-	-	-
16	<u>47.0</u>	35.0	29.1	24.5	20.0	16.0	-
18	-	34.4	28.4	24.3	19.4	15.8	12.9
20	-	34.3	28.0	24.2	19.3	15.7	12.8
22	-	34.3	28.0	23.7	19.2	15.6	12.5
24	-	<u>30.0</u>	28.0	23.3	19.1	15.5	12.1
26	-	-	27.8	23.1	19.0	15.5	11.8
28	-	-	<u>27.3</u>	23.0	18.8	15.1	11.5
30	-	-	-	23.0	18.6	14.7	11.0
34	-	-	-	20.3	18.1	14.0	10.0
36	-	-	-	<u>16.0</u>	17.7	13.5	9.5
38	-	-	-	-	17.4	13.0	9.0
40	-	-	-	-	15.0	12.2	8.5
42	-	-	-	-	<u>12.8</u>	11.5	8.1
46	-	-	-	-	-	10.0	7.1
48	-	-	-	-	-	<u>9.0</u>	6.6
50	-	-	-	-	-	-	6.2
52	-	-	-	-	-	-	5.6
1	-	-	-	-	-	-	<u>5.3</u>

No. of Hoist Lines							
	6	4	3	3	2	2	2
DS	230	231	232	233	234	235	236

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!
Limited jib stability (backwards)

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s/n 35065

Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Counterweight 8.5 t
Outrigger base 10 m

Radius
(m)

Main Boom (m)

16.0 25.0²⁾ 34.0²⁾ 43.0²⁾ 52.0³⁾

3.5	200.0*	-	-	-	-
4	200.0*	154.0	-	-	-
4.5	172.0	150.0	-	-	-
5	152.0	145.0	106.0	-	-
6	122.0	121.0	97.0	69.0	-
7	101.0	100.0	88.0	64.5	-
9	86.4	85.3	82.5	60.0	-
	70.9	68.9	72.6	56.0	36.0
10	56.8	55.0	58.2	52.5	36.0
12	39.6	37.8	40.6	40.6	35.0
14	-	27.7	30.2	30.2	30.2
16	-	21.1	23.2	23.2	23.2
18	-	16.2	18.4	18.4	18.4
20	-	12.5	14.6	14.6	14.6
22	-	-	11.6	11.6	11.6
24	-	-	9.3	9.2	9.2
26	-	-	7.4	7.3	7.3
28	-	-	5.8	5.7	5.7
30	-	-	4.6	4.3	4.3
32	-	-	-	3.3	3.2
34	-	-	-	2.2	2.2

of Hoist Lines

*21/16 16 10 7 4

DS

004

DS = Operating mode switch on PAT-console

*add. attachment required (max. load 178 t on 16 falls)

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

Tele-Extension Jib and SL-mast fitted on basic boom

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Capacities on Tele-Extension-Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

Counterweight 22 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

	Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
10	19.6	-	-	-
2	18.5	-	10.5	-
14	17.5	14.7	10.1	-
16	16.5	13.9	9.8	8.0
18	15.5	13.1	9.4	7.6
20	14.6	12.6	9.0	7.3
22	13.7	11.9	8.7	7.1
24	12.8	11.2	8.3	6.8
26	<u>12.0</u>	10.7	8.0	6.5
28	10.5	10.1	7.7	6.3
30	8.8	<u>9.6</u>	7.4	6.1
32	7.3	8.3	7.0	5.8
34	6.0	6.9	<u>6.7</u>	5.6
36	4.8	5.7	6.4	5.4
38	3.8	4.6	5.4	5.2
40	3.0	3.6	4.5	<u>5.0</u>
42	2.2	2.8	3.7	4.7
44	1.5	2.0	3.0	3.9
46	-	1.3	2.3	3.2
No. of Hoist Lines				
	2	2	2	2
DS				
	042	142	052	152

DS = operating mode switch on PAT-Console

SL-Mast fitted on basic boom

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Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Counterweight 22 t
Outrigger base 10 m

Radius
(m)

Main Boom (m)

16.0 25.0²⁾ 34.0²⁾ 43.0²⁾ 52.0³⁾

3.5	230.0**	-	-	-	-
4	216.0**	154.0	-	-	-
4.5	188.0**	150.0	-	-	-
5	165.0	145.0	106.0	-	-
6	133.0	132.0	97.0	69.0	-
7	111.0	110.0	88.0	64.5	-
8	94.8	93.7	82.5	60.0	-
9	82.3	81.2	77.0	56.0	38.0
10	72.4	71.3	71.0	52.5	38.0
12	51.9	50.0	52.8	46.0	35.0
14	-	37.4	39.9	39.9	31.5
16	-	29.1	31.3	31.3	28.5
18	-	23.3	25.3	25.3	25.3
20	-	18.9	20.8	20.8	20.8
22	-	-	17.3	17.3	17.3
24	-	-	14.4	14.4	14.4
26	-	-	12.0	12.0	12.0
28	-	-	10.1	10.0	10.0
30	-	-	8.5	8.3	8.3
32	-	-	-	6.8	6.8
34	-	-	-	5.6	5.6
36	-	-	-	4.6	4.5
40	-	-	-	3.7	3.6
40	-	-	-	-	2.7

No. of Hoist Lines

**21/16

16

10

7

4

DS

003

DS = Operating mode switch on PAT-console

**only over rear or over side, add. attachment required (max. load 178 t
on 16 falls)

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

Tele-Extension Jib and SL-mast fitted on basic boom

8316, 13.05.1991 24,5,15

341 888 40 - 7

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Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

360°
Counterweight 36 t
Red. outrigger base 6 m

Main Boom 25.0 m Pos. 83°

Radius (m)	Luffing Fly Jib (m)						
	18.0 ³⁾	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	54.1	53.8	-	-	-	-	-
12	41.7	41.4	41.2	40.0	-	-	-
14	33.8	33.5	33.3	33.0	32.8	-	-
16	28.4	28.0	27.8	27.5	27.3	23.5	18.5
18	-	24.0	23.8	23.5	23.2	22.3	17.6
20	-	21.0	20.7	20.4	20.2	19.9	16.5
22	-	-	18.3	18.0	17.7	17.4	15.5
24	-	-	16.3	16.0	15.8	15.5	14.5
26	-	-	14.7	14.4	14.1	13.9	13.5
28	-	-	13.4	13.0	12.8	12.5	12.2
30	-	-	-	11.9	11.6	11.3	11.0
34	-	-	-	-	9.8	9.5	9.1
38	-	-	-	-	8.3	8.0	7.7
42	-	-	-	-	-	6.9	6.6
46	-	-	-	-	-	-	5.6
50	-	-	-	-	-	-	4.9

No. of Hoist Lines							
	7	7	6	5	4	4	4
	270	271	272	273	274	275	276

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

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Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

360°
Counterweight 36 t
Red. outrigger base 6 m

Main Boom 34.0 m Pos. 83°

Radius (m)	Luffing Fly Jib (m)						
	18.0 ³⁾	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	50.0	38.6	-	-	-	-	-
12	41.0	37.2	31.0	-	-	-	-
14	33.2	32.9	30.0	25.0	-	-	-
16	27.9	27.5	27.2	24.5	20.0	16.0	-
18	-	23.6	23.3	22.9	19.4	15.8	12.9
20	-	20.6	20.3	19.9	19.3	15.7	12.8
22	-	18.2	17.9	17.5	17.3	15.6	12.5
24	-	16.3	16.0	15.6	15.4	15.1	12.1
26	-	-	14.4	14.0	13.8	13.5	11.8
28	-	-	13.1	12.7	12.4	12.1	11.5
30	-	-	-	11.6	11.3	11.0	10.7
34	-	-	-	9.7	9.5	9.2	8.8
38	-	-	-	-	8.1	7.8	7.4
42	-	-	-	-	-	6.6	6.3
46	-	-	-	-	-	5.8	5.4
50	-	-	-	-	-	-	4.7
54	-	-	-	-	-	-	4.1
No. of Hoist Lines							
	6	4	3	3	2	2	2
DS	270	271	272	273	274	275	276

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

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Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

360°
Counterweight 36 t
Red. outrigger base 6 m

Main Boom 43.0 m Pos. 83°

Radius
(m)

Luffing Fly Jib (m)

	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
12	24.5	19.5	-	-	-	-
14	24.3	18.8	16.0	-	-	-
16	<u>24.2</u>	18.6	15.5	12.5	-	-
18	22.7	18.5	15.3	12.4	10.3	-
20	19.8	<u>18.5</u>	15.1	12.3	10.2	8.0
22	17.5	17.2	15.0	12.2	10.1	8.0
24	15.7	15.4	<u>15.0</u>	12.1	10.0	7.9
26	-	13.8	13.4	<u>12.1</u>	9.9	7.8
28	-	12.5	12.1	11.9	9.8	7.8
30	-	11.4	11.0	10.8	<u>9.7</u>	7.8
34	-	-	9.3	9.0	8.7	<u>7.8</u>
38	-	-	-	7.7	7.3	7.0
42	-	-	-	6.6	6.3	5.9
46	-	-	-	-	5.4	5.0
50	-	-	-	-	-	4.3
54	-	-	-	-	-	3.8

No. of Hoist Lines

4 2 2 2 2 2

3 271 272 273 274 275 276

DS = operating mode switch on PAT-Console

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

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Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

360°
Counterweight 36 t
Red. outrigger base 6 m

Main Boom 52.0 m Pos. 83°

Radius
(m)

Luffing Fly Jib (m)

	30.0*	36.0	42.0	48.0	54.0
14	13.2	-	-	-	-
16	12.7	11.5	-	-	-
18	12.5	11.4	8.5	6.5	-
20	12.5	11.3	8.3	6.4	5.0
	12.5	11.2	8.2	6.3	5.0
24	12.5	11.1	8.1	6.2	4.8
26	<u>12.5</u>	11.0	8.0	6.1	4.7
28	12.0	10.8	8.0	6.1	4.6
30	11.0	<u>10.5</u>	8.0	6.1	4.5
34	-	8.8	<u>8.0</u>	6.1	4.5
38	-	-	<u>7.3</u>	6.1	4.5
42	-	-	6.2	<u>5.9</u>	4.5
46	-	-	-	<u>5.0</u>	<u>4.5</u>
50	-	-	-	-	4.0
54	-	-	-	-	3.4

No. of Hoist Lines

2 2 2 2 2

272 273 274 275 276

DS = operating mode switch on PAT-Console

* Hook Block (3 sheaves) - weight 1150 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

HC 920
s/n 35065

Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Counterweight 36 t
Outrigger base 10 m

Radius
(m)

Main Boom (m)

16.0 25.0²⁾ 34.0²⁾ 43.0²⁾ 52.0³⁾

3.5	230.0**	-	-	-	-
4	220.0**	154.0	-	-	-
4.5	204.0*	150.0	-	-	-
5	180.0*	145.0	106.0	-	-
6	145.0	138.0	97.0	69.0	-
7	120.0	119.0	88.0	64.5	-
	103.0	102.0	82.5	60.0	-
	89.7	88.6	77.0	56.0	38.0
10	79.0	78.0	72.0	52.5	38.0
12	<u>63.5</u>	<u>62.2</u>	<u>63.0</u>	46.0	35.0
14	-	47.2	49.6	41.0	31.5
16	-	37.2	39.4	<u>36.5</u>	28.5
18	-	30.2	32.2	32.2	26.0
20	-	25.0	26.8	26.8	24.0
22	-	-	22.7	22.7	<u>22.0</u>
24	-	-	19.4	19.3	19.3
26	-	-	16.7	16.6	16.6
28	-	-	14.3	14.2	14.2
30	-	-	12.4	12.2	12.2
32	-	-	-	10.5	10.5
34	-	-	-	9.0	9.0
36	-	-	-	7.8	7.7
	-	-	-	6.7	6.5
40	-	-	-	-	5.5
42	-	-	-	-	4.6
44	-	-	-	-	3.9
46	-	-	-	-	3.2

No. of Hoist Lines

**28/*21/16

16

10

7

4

DS

002

DS = Operating mode switch on PAT-console

*add. attachment required (max. load 178 t on 16 falls)

**only over rear or over side, add. attachment required

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

Tele-Extension Jib and SL-mast fitted on basic boom

Mannesmann
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HC 920
s/n 35065

Capacities on fixed Jib
(without Superlift-Suspension)

3° -Pos.

BS 1757/75%

Telescopes pinned

360°
Counterweight 36 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius (m)	Jib (m)			
	18.0	24.0	30.0	36.0
12	15.2	-	-	-
14	14.0	12.0	-	-
16	13.0	10.9	8.8	-
18	12.2	10.0	8.2	6.5
	11.4	9.3	7.6	6.1
22	10.6	8.7	7.1	5.7
24	9.6	8.1	6.6	5.3
26	9.3	7.5	6.1	5.0
28	8.7	7.0	5.7	4.7
30	8.0	6.5	5.3	4.4
32	7.5	6.0	4.9	4.1
34	6.9	5.6	4.6	3.8
36	<u>6.3</u>	5.2	4.2	3.5
38	5.5	4.8	3.9	3.2
40	4.4	<u>4.3</u>	3.6	3.0
42	3.5	3.9	3.3	2.7
44	2.7	3.0	<u>3.1</u>	2.5
46	1.9	2.2	2.4	<u>2.3</u>
48	1.2	1.5	1.7	2.0
50	-	-	1.1	1.3
No. of Hoist Lines	2	2	2	2
DS	411	421	441	451

DS = operating mode switch on PAT-Console

Tele-Extension Jib and SL-Mast fitted on basic boom

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HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 25.0 m Pos. 83°

Counterweight 36 t
Outtrigger base 10 m

Radius (m)	Luffing Fly Jib (m)						
	18.0 ³⁾	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	80.0*	70.0	-	-	-	-	-
12	70.0	67.0	50.0	40.0	-	-	-
14	60.0	<u>60.9</u>	<u>50.0</u>	40.0	33.0	-	-
16	<u>47.0</u>	<u>50.2</u>	<u>49.9</u>	40.0	32.2	23.5	18.5
18	-	42.6	42.2	<u>40.0</u>	30.8	22.3	17.6
20	-	36.9	36.5	36.3	29.7	21.0	16.5
22	-	-	32.1	31.8	28.5	19.9	15.5
24	-	-	28.5	28.3	<u>27.2</u>	18.8	14.5
26	-	-	25.7	25.4	<u>25.2</u>	17.8	13.7
28	-	-	23.3	23.0	22.8	16.8	12.9
30	-	-	-	21.0	20.7	16.0	12.2
34	-	-	-	-	17.5	14.4	10.9
38	-	-	-	-	15.0	13.0	9.7
42	-	-	-	-	-	<u>10.2</u>	8.5
46	-	-	-	-	-	-	7.5
50	-	-	-	-	-	-	<u>6.5</u>
No. of Hoist Lines							
*(8) 7							
	7	6	5	4	4	4	
	260	261	262	263	264	265	266

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)



Mannesmann
DEMAG Baumaschinen

HC 920 Capacities on Luffing Fly Jib
s/n 35065 Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 34.0 m Pos. 83°

Counterweight 36 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)						
	18.0 ³⁾	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	50.0	38.6	-	-	-	-	-
12	49.0	37.2	31.0	-	-	-	-
14	48.0	36.0	30.0	25.0	-	-	-
16	47.0	35.0	29.1	24.5	20.0	16.0	-
18	-	34.4	28.4	24.3	19.4	15.8	12.9
20	-	<u>34.3</u>	28.0	24.2	19.3	15.7	12.8
22	-	32.1	28.0	23.7	19.2	15.6	12.5
24	-	28.6	<u>28.0</u>	23.3	19.1	15.5	12.1
26	-	-	25.3	<u>23.1</u>	19.0	15.5	11.8
28	-	-	22.9	22.7	18.8	15.1	11.5
30	-	-	-	20.7	<u>18.6</u>	14.7	11.0
34	-	-	-	17.5	17.2	14.0	10.0
38	-	-	-	-	14.8	13.0	9.0
42	-	-	-	-	-	11.5	8.1
46	-	-	-	-	-	<u>10.0</u>	7.1
50	-	-	-	-	-	-	6.2
54	-	-	-	-	-	-	<u>5.3</u>
No. of Hoist Lines							
	6	4	3	3	2	2	2
DS	260	261	262	263	264	265	266

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on fixed Jib
(without Superlift-Suspension)

20°-Pos.

BS 1757/75%

360°

Counterweight 36 t
Outrigger base 10 m

Telescopes pinned

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius (m)	Jib (m)			
	18.0	24.0	30.0	36.0
18	11.0	-	-	-
20	10.2	-	-	-
22	9.5	-	-	-
	8.8	7.2	-	-
26	8.1	6.7	-	-
28	7.5	6.2	5.4	-
30	7.0	5.7	5.0	-
32	6.5	5.3	4.7	3.4
34	5.9	4.9	4.3	3.1
36	5.4	4.5	4.0	2.8
38	4.9	4.2	3.8	2.6
40	4.4	3.8	3.5	2.4
42	<u>4.0</u>	3.5	3.2	2.1
44	3.7	3.2	3.0	1.9
46	2.8	3.0	2.8	1.8
48	2.0	<u>2.7</u>	2.6	1.6
50	1.3	2.0	<u>2.3</u>	1.4
52	-	1.3	1.8	<u>1.2</u>
of Hoist Lines				
	2	2	2	2
DS	461	471	481	491

DS = operating mode switch on PAT-Console

Tele-Extension Jib and SL-Mast fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on fixed Jib
(without Superlift-Suspension)

3° -Pos.

BS 1757/75%

Telescopes pinned

360°
Counterweight 50 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius (m)	Jib (m)			
	18.0	24.0	30.0	36.0
12	15.2	-	-	-
14	14.0	12.0	-	-
16	13.0	10.9	8.8	-
18	12.2	10.0	8.2	6.5
	11.4	9.3	7.6	6.1
22	10.6	8.7	7.1	5.7
24	9.6	8.1	6.6	5.3
26	9.3	7.5	6.1	5.0
28	8.7	7.0	5.7	4.7
30	8.0	6.5	5.3	4.4
32	7.5	6.0	4.9	4.1
34	6.9	5.6	4.6	3.8
36	6.3	5.2	4.2	3.5
38	5.8	4.8	3.9	3.2
40	5.3	4.3	3.6	3.0
42	4.8	4.0	3.3	2.7
44	4.3	3.6	3.1	2.5
46	3.9	3.2	2.8	2.3
48	3.5	2.9	2.6	2.1
50	2.8	2.6	2.3	1.9
52	2.1	2.4	2.1	1.7
54	1.5	1.8	1.8	1.5
56	-	1.2	1.3	1.3
No. of Hoist Lines				
	2	2	2	2
DS				
	410	420	440	450

DS = operating mode switch on PAT-Console

Tele-Extension Jib and SL-Mast fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 52.0 m Pos. 83°

Counterweight 36 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)				
	30.0*	36.0	42.0	48.0	54.0
14	13.2	-	-	-	-
16	12.7	11.5	-	-	-
18	12.5	11.4	8.5	6.5	-
20	12.5	11.3	8.3	6.4	5.0
22	12.5	11.2	8.2	6.3	5.0
	12.5	11.1	8.1	6.2	4.8
26	12.5	11.0	8.0	6.1	4.7
28	12.5	10.8	8.0	6.1	4.6
30	<u>12.5</u>	10.5	8.0	6.1	4.5
34	-	<u>10.0</u>	8.0	6.1	4.5
38	-	-	8.0	6.1	4.5
42	-	-	<u>8.0</u>	6.1	4.5
46	-	-	-	<u>6.1</u>	4.5
50	-	-	-	-	4.5
54	-	-	-	-	<u>4.0</u>
No. of Hoist Lines					
	2	2	2	2	2
DS	262	263	264	265	266

DS = operating mode switch on PAT-Console

* Hook Block (3 sheaves) - weight 1150 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

Mannesmann
DEMAG Baumaschinen

✓ HC 920-SL
s/n 35065

Capacities on Tele-Extension-Boom
(with SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block.

Counterweight 50 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

	Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
12	-	-	10.5	-
14	20.0	14.7	10.1	-
16	19.4	13.9	9.8	8.0
18	18.8	13.1	9.4	7.6
20	18.0	12.6	9.0	7.3
22	17.1	11.9	8.7	7.1
24	16.2	11.2	8.3	6.8
26	15.4	10.7	8.0	6.5
28	14.3	10.1	7.7	6.3
30	13.3	9.6	7.4	6.1
32	12.5	9.1	7.0	5.8
34	11.8	8.6	6.7	5.6
36	11.0	8.2	6.4	5.4
38	10.2	7.7	6.2	5.2
40	9.1	7.3	5.9	5.0
42	8.1	6.8	5.6	4.8
44	7.3	6.4	5.3	4.6
46	6.4	6.0	5.1	4.5
48	5.6	5.6	4.8	4.3
50	4.9	5.3	4.6	4.1
54	-	3.9	4.2	3.8
58	-	-	3.8	3.5
62	-	-	2.9	3.2
No. of Hoist Lines				
	2	2	2	2
DS	060	160	070	170

DS = operating mode switch on PAT-Console

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 34.0 m Pos. 70°

Counterweight 50 t
Outrigger base 10 m

Radius
(m)

Luffing Fly Jib (m)

	30.0	36.0	42.0	48.0	54.0
--	------	------	------	------	------

26	16.8	-	-	-	-
28	15.9	14.0	-	-	-
30	15.1	13.5	-	-	-
32	14.8	13.1	11.5	-	-
34	14.5	12.6	11.1	-	-
36	14.3	11.8	10.3	9.8	8.3
40	-	11.2	9.6	9.4	7.8
42	-	-	9.2	9.1	7.4
50	-	-	8.9	8.8	7.1
54	-	-	-	8.6	6.9
58	-	-	-	-	6.8
62	-	-	-	-	6.4

No. of Hoist Lines

	2	2	2	2	2
--	---	---	---	---	---

DS	232	233	234	235	236
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DS = operating mode switch on PAT-Console

Crane hook 10 t (allowable single line speed 50 m/min)

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DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Tele-Extension-Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

Counterweight 36 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

	Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
10	19.6	-	-	-
12	18.5	-	10.5	-
14	17.5	14.7	10.1	-
16	16.5	13.9	9.8	8.0
18	15.5	13.1	9.4	7.6
20	14.6	12.6	9.0	7.3
22	13.7	11.9	8.7	7.1
24	12.8	11.2	8.3	6.8
26	12.0	10.7	8.0	6.5
28	11.3	10.1	7.7	6.3
30	10.6	9.6	7.4	6.1
32	9.8	9.1	7.0	5.8
34	<u>9.2</u>	8.6	6.7	5.6
36	8.0	8.2	6.4	5.4
38	6.8	<u>7.6</u>	6.2	5.2
40	5.8	6.5	5.9	5.0
42	4.8	5.5	5.6	4.8
44	4.0	4.6	<u>5.3</u>	4.6
46	3.2	3.7	4.8	4.5
48	2.6	3.0	4.1	<u>4.3</u>
50	2.0	2.3	3.4	4.1
54	-	1.1	2.3	2.9
58	-	-	1.3	1.8
No. of Hoist Lines				
	2	2	2	2
DS				
	041	141	051	151

DS = operating mode switch on PAT-Console

SL-Mast fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920 Capacities on Luffing Fly Jib
s/n 35065 Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 43.0 m Pos. 83°

Counterweight 36 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)					
	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
12	24.5	19.5	-	-	-	-
14	24.3	18.8	16.0	-	-	-
16	24.2	18.6	15.5	12.5	-	-
18	24.2	18.5	15.3	12.4	10.3	-
20	24.2	18.5	15.1	12.3	10.2	8.0
	24.2	18.5	15.0	12.2	10.1	8.0
24	<u>24.2</u>	18.5	15.0	12.1	10.0	7.9
26	-	18.5	15.0	12.1	9.9	7.8
28	-	18.5	15.0	12.1	9.8	7.8
30	-	<u>18.2</u>	15.0	12.1	9.7	7.8
34	-	-	<u>15.0</u>	12.1	9.7	7.8
38	-	-	-	12.1	9.7	7.8
42	-	-	-	<u>11.4</u>	9.7	7.5
46	-	-	-	-	<u>9.2</u>	6.6
50	-	-	-	-	-	5.5
54	-	-	-	-	-	<u>4.0</u>
No. of Hoist Lines						
	4	2	2	2	2	2
	261	262	263	264	265	266

DS = operating mode switch on PAT-Console

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

75%

360°

Capacity (t) = Load + Hook Block

Counterweight 50 t
red. Outrigger base 6 m

Radius
(m)

Main Boom (m)

	16.0	25.0 ²⁾	34.0 ²⁾	43.0 ²⁾	52.0 ³⁾
3	185.0*	-	-	-	-
3.5	169.0	-	-	-	-
4	155.0	154.0	-	-	-
4.5	143.0	150.0	-	-	-
5	131.0	145.0	106.0	-	-
6	112.0	123.0	97.0	69.0	-
7	97.5	92.0	88.0	64.5	-
	<u>76.5</u>	<u>72.5</u>	73.5	60.0	-
9	63.0	59.5	60.5	56.0	38.0
10	53.0	50.0	<u>51.0</u>	50.0	38.0
12	39.5	37.0	38.2	37.5	35.0
14	-	28.5	30.0	29.4	28.8
16	-	22.5	24.1	<u>23.7</u>	23.3
18	-	18.5	19.8	19.5	<u>19.0</u>
20	-	15.0	16.5	16.2	16.0
22	-	-	14.0	13.6	13.4
24	-	-	11.8	11.5	11.3
26	-	-	10.0	9.8	9.6
28	-	-	8.7	8.4	8.2
30	-	-	7.5	7.1	7.0
32	-	-	-	6.1	6.0
34	-	-	-	5.2	5.0
	-	-	-	4.4	4.2
	-	-	-	3.5	3.5
40	-	-	-	-	2.6

No. of Hoist Lines

*21/16

16

10

7

4

DS

006

DS = operating mode switch on PAT-Console

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

* special attachment required (max. load 178 t on 16 falls)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Tele-Extension-Boom
Telescopes pinned

75%

Capacity (t) = Load + Hook Block

Counterweight 50 t
red. Outrigger base 6 m

Main Boom 52.0 m + Jib

Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0 m	52.0 + 20.0
	0°	15°	0°	15°
10	19.6	-	-	-
12	18.5	-	10.5	-
14	17.5	14.7	10.1	-
16	16.5	13.9	9.8	8.0
18	15.5	13.1	9.4	7.6
20	14.6	12.6	9.0	7.3
22	13.7	11.9	8.7	7.1
24	12.1	11.2	8.3	6.8
26	10.4	10.7	8.0	6.5
28	9.0	9.7	7.7	6.3
30	<u>7.7</u>	8.4	7.4	6.1
32	6.7	<u>7.3</u>	7.0	5.8
34	5.7	6.3	6.5	5.6
36	4.9	5.4	5.7	5.4
38	4.2	4.7	<u>5.0</u>	5.2
40	3.5	4.0	4.4	5.0
42	2.9	3.3	3.8	4.4
44	2.2	2.7	3.2	<u>3.9</u>
46	-	-	2.6	3.3
48	-	-	2.2	2.7
J	-	-	-	2.0
No. of Hoist Lines				
	2	2	2	2
DS				
	045	145	055	155

DS = operating mode switch on PAT-Console

Mannesmann
DEMAG Baumaschinen

HC 920 Capacities on Main Boom 75%
Telescopes pinned 360°

Capacity (t) = Load + Hook Block

Counterweight 50 t
red. Outrigger Base 8 m

Radius (m)	Main Boom (m)				
	16.0	25.0 ²⁾	34.0 ²⁾	43.0 ²⁾	52.0 ³⁾
3	200.0*	-	-	-	-
3.5	197.0*	-	-	-	-
4	180.0*	154.0	-	-	-
4.5	165.0	150.0	-	-	-
5	152.0	145.0	106.0	-	-
6	126.0	123.0	97.0	69.0	-
7	108.0	114.0	88.0	64.5	-
8	95.0	105.0	76.0	60.0	-
9	<u>85.0</u>	<u>87.0</u>	70.0	56.0	38.0
10	75.0	71.5	<u>64.0</u>	50.0	38.0
12	54.5	51.5	56.0	40.0	35.0
14	-	39.5	41.0	35.5	30.0
16	-	31.8	33.0	31.5	27.0
18	-	25.9	27.2	<u>28.0</u>	24.5
20	-	21.4	22.8	<u>23.1</u>	<u>22.0</u>
22	-	-	19.4	19.2	19.5
24	-	-	16.6	16.5	16.6
26	-	-	14.3	14.3	14.0
28	-	-	12.3	12.3	12.2
30	-	-	10.8	10.8	10.7
32	-	-	-	9.4	9.3
34	-	-	-	8.2	8.2
36	-	-	-	7.1	7.1
38	-	-	-	6.2	6.2
40	-	-	-	-	5.4

No. of Hoist Lines				
*21/16	16	10	7	4

DS 009

DS = operating mode switch on PAT-console

2) max. capacity unpinned = 50 t

3) max. capacity unpinned = 30 t

* special attachment required (max. load 178 t on 16 falls)

Serial N. 35065

Mannesmann
DEMAG BaumaschinenHC 920
s/n 35065Capacities on Main Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Counterweight 50 t
Outrigger base 10 mRadius
(m)

Main Boom (m)

	16.0	25.0 ²⁾	34.0 ²⁾	43.0 ²⁾	52.0 ³⁾
3	280.0**	-	-	-	-
3.5	255.0**	-	-	-	-
4	235.0**	154.0	-	-	-
4.5	215.0*	150.0	-	-	-
5	200.0	145.0	106.0	-	-
6	169.0	138.0	97.0	69.0	-
7	141.0	130.0	88.0	64.5	-
8	121.0	110.0	82.5	60.0	-
9	105.0	96.0	77.0	56.0	38.0
10	93.0	85.0	72.0	52.5	38.0
12	<u>75.0</u>	68.0	63.0	46.0	35.0
14	-	<u>56.0</u>	<u>56.0</u>	41.0	31.5
16	-	45.2	47.5	36.5	28.5
18	-	37.0	39.1	33.0	26.0
20	-	31.0	32.8	29.5	24.0
22	-	-	28.0	<u>26.5</u>	22.0
24	-	-	24.4	24.2	20.4
26	-	-	21.0	21.0	19.0
28	-	-	18.5	18.4	<u>17.7</u>
30	-	-	16.3	16.1	16.1
32	-	-	-	14.1	14.1
34	-	-	-	12.4	12.4
36	-	-	-	11.0	10.9
38	-	-	-	9.7	9.5
40	-	-	-	-	8.4
42	-	-	-	-	7.3
44	-	-	-	-	6.4
46	-	-	-	-	5.6

No. of Hoist Lines
**28/*21/16

16

10

7

4

DS

001

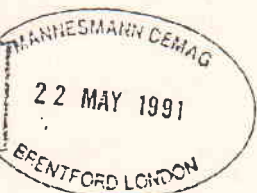
DS = Operating mode switch on PAT-console

*add. attachment required (max. load 178 t on 16 falls)

**only over side, add. attachment required

2) max. capacity unpinned = 50 t
3) max. capacity unpinned = 30 t

R.J. ADKINS



Tele-Extension Jib and SL-mast fitted on basic boom

8316, 13.05.1991 28,5,15

341 888 40 -

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Tele-Extension-Boom
(without SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

Counterweight 50 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

	Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
10	19.6	-	-	-
12	18.5	-	10.5	-
14	17.5	14.7	10.1	-
16	16.5	13.9	9.8	8.0
18	15.5	13.1	9.4	7.6
20	14.6	12.6	9.0	7.3
22	13.7	11.9	8.7	7.1
24	12.8	11.2	8.3	6.8
26	12.0	10.7	8.0	6.5
28	11.3	10.1	7.7	6.3
30	10.6	9.6	7.4	6.1
32	9.8	9.1	7.0	5.8
34	9.2	8.6	6.7	5.6
36	8.5	8.2	6.4	5.4
38	7.7	7.6	6.2	5.2
40	7.0	6.8	5.9	5.0
42	6.2	6.0	5.6	4.8
44	5.5	5.3	5.3	4.6
46	5.0	4.7	5.1	4.5
48	4.5	4.2	4.8	4.3
50	<u>4.0</u>	3.7	4.4	4.1
54	-	<u>2.8</u>	3.8	3.8
58	-	-	3.1	3.1
62	-	-	<u>2.3</u>	<u>2.5</u>
No. of Hoist Lines				
	2	2	2	2

DS	040	140	050	150;
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DS = operating mode switch on PAT-Console

SL-Mast fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on fixed Jib
(without Superlift-Suspension)

20°-Pos.

BS 1757/75%

Telescopes pinned

360°
Counterweight 50 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius (m)	Jib (m)			
	18.0	24.0	30.0	36.0
18	11.0	-	-	-
20	10.2	-	-	-
22	9.5	-	-	-
24	8.8	7.2	-	-
26	8.1	6.7	-	-
28	7.5	6.2	5.4	-
30	7.0	5.7	5.0	-
32	6.5	5.3	4.7	3.4
34	5.9	4.9	4.3	3.1
36	5.4	4.5	4.0	2.8
38	4.9	4.2	3.8	2.6
40	4.4	3.8	3.5	2.4
42	4.0	3.5	3.2	2.1
44	3.7	3.2	3.0	1.9
46	3.3	3.0	2.8	1.8
48	3.0	2.7	2.6	1.6
50	2.7	2.4	2.3	1.4
52	2.4	2.2	2.1	1.2
54	<u>2.1</u>	1.9	1.9	1.1
56	1.5	<u>1.7</u>	<u>1.7</u>	<u>1.0</u>
No. of Hoist Lines	2	2	2	2
DS	460	470	480	490

DS = operating mode switch on PAT-Console

Tele-Extension Jib and SL-Mast fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920-SL
s/n 35065

Capacities on fixed Jib
with Superlift-Suspension

20° -Pos.

BS 1757/75%

Telescopes pinned

360°
Counterweight 50 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius
(m)

Jib (m)

18.0

24.0

30.0

36.0

14	11.8	-	-	-
16	11.0	-	-	-
18	10.4	-	-	-
20	9.8	7.4	-	-
22	9.2	7.0	-	-
24	8.7	6.5	5.4	-
26	8.2	6.1	5.2	-
28	7.7	5.7	5.1	4.4
30	7.3	5.4	4.9	4.2
32	6.8	5.1	4.7	4.0
34	6.4	4.8	4.5	3.8
36	6.0	4.5	4.2	3.6
38	5.6	4.2	3.9	3.4
40	5.2	4.0	3.7	3.2
42	4.9	3.7	3.5	3.0
44	4.5	3.5	3.3	2.8
46	4.2	3.3	3.1	2.6
48	3.9	3.1	2.9	2.4
50	3.6	2.9	2.7	2.2
52	3.4	2.7	2.5	2.1
54	3.0	2.5	2.3	1.9
56	2.5	2.3	2.1	1.7
58	2.0	2.1	1.9	1.6
60	<u>1.5</u>	1.8	1.8	1.4
62	-	1.5	1.6	1.3
64	-	<u>1.0</u>	1.4	1.1
66	-	-	<u>1.0</u>	1.0
68	-	-	-	<u>0.8</u>

No. of Hoist Lines

2

2

2

2

DS

560

570

580

590

DS = operating mode switch on PAT-Console

Tele-Extension Jib fitted on basic boom

8316, 14.05.1991 28,4,18

397 770 40

Mannesmann
DEMAG Baumaschinen

HC 920-SL
s/n 35065

Capacities on fixed Jib
with Superlift-Suspension

3° - Pos.

BS 175,7/75%

Telescopes pinned

360°
Counterweight 50 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius
(m)

Jib (m)

18.0 24.0 30.0 36.0

12	19.1	-	-	-
14	18.1	15.4	-	-
16	17.2	14.4	11.6	-
18	16.3	13.7	11.1	8.7
20	15.3	12.9	10.6	8.7
22	14.5	12.2	10.1	8.2
24	13.7	11.5	9.6	7.8
26	12.9	10.8	9.1	7.4
28	12.2	10.2	8.6	7.0
30	11.5	9.5	8.1	6.6
32	10.9	9.0	7.7	6.2
34	10.3	8.4	7.2	5.8
36	9.6	7.8	6.8	5.4
38	9.0	7.3	6.4	5.0
40	<u>8.5</u>	6.8	6.0	4.7
42	7.3	6.4	5.5	4.4
44	6.2	5.9	5.1	4.0
46	5.3	<u>5.5</u>	4.8	3.7
48	4.5	4.8	4.4	3.4
50	3.8	4.1	<u>4.0</u>	3.1
52	3.2	3.4	3.5	2.8
54	2.6	2.8	2.9	<u>2.6</u>
56	2.0	2.2	2.3	2.3
58	1.5	1.4	1.7	1.9
60	-	1.0	1.2	1.4
62	-	-	0.9	1.0

No. of Hoist Lines
2

2

2

2

DS 510

520

540

550

DS = operating mode switch on PAT-Console

Tele-Extension Jib fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

360°

Main Boom 43.0 m Pos. 70°

Counterweight 50 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)			
	36.0	42.0	48.0	54.0
32	9.8	-	-	-
34	9.5	7.5	-	-
38	8.9	7.1	-	-
40	8.4	6.7	6.1	-
42	<u>8.1</u>	6.4	5.8	4.3
0	-	6.2	5.6	4.0
54	-	<u>6.2</u>	5.3	3.8
58	-	-	<u>5.1</u>	3.6
62	-	-	-	<u>3.5</u>
No. of Hoist Lines				
	2	2	2	2
DS	233	234	235	236

DS = operating mode switch on PAT-Console

Crane hook 10 t (allowable single line speed 50 m/min)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned



BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 52.0 m Pos. 83°

Counterweight 50 t

Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)				
	30.0 *	36.0	42.0	48.0	54.0
14	13.2	-	-	-	-
16	12.7	11.5	-	-	-
18	12.5	11.4	8.5	6.5	-
20	12.5	11.3	8.3	6.4	5.0
22	12.5	11.2	8.2	6.3	5.0
24	12.5	11.1	8.1	6.2	4.8
26	12.5	11.0	8.0	6.1	4.7
28	12.5	10.8	8.0	6.1	4.6
30	12.5	10.5	8.0	6.1	4.5
34	-	10.0	8.0	6.1	4.5
38	-	-	8.0	6.1	4.5
42	-	-	8.0	6.1	4.5
46	-	-	-	6.1	4.5
48	-	-	-	6.0	4.5
50	-	-	-	-	4.5
54	-	-	-	-	4.0



No. of Hoist Lines

2 2 2 2 2

232 233 234 235 236

DS = operating mode switch on PAT-Console

* Hook Block (3 sheaves) - weight 1150 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)



Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 25.0 m Pos. 83°

Counterweight 50 t
Outrigger base 10 m

Radius
(m)

Luffing Fly Jib (m)

18.0³⁾ 24.0²⁾ 30.0²⁾ 36.0 42.0 48.0 54.0

10	80.0*	70.0	-	-	-	-	-
12	70.0	67.0	50.0	40.0	-	-	-
14	60.0	62.8	50.0	40.0	33.0	-	-
16	47.0	54.3	50.0	40.0	32.2	23.5	18.5
18	-	47.7	49.3	40.0	30.8	22.3	17.6
20	-	41.8	42.9	39.0	29.7	21.0	16.5
22	-	-	37.8	38.0	28.5	19.9	15.5
24	-	-	33.7	34.2	27.2	18.8	14.5
26	-	-	29.0	30.7	26.0	17.8	13.7
28	-	-	23.5	27.8	24.7	16.8	12.9
30	-	-	-	25.1	23.5	16.0	12.2
34	-	-	-	17.6	21.1	14.4	10.9
36	-	-	-	-	18.8	13.6	10.4
38	-	-	-	-	16.3	13.0	10.0
40	-	-	-	-	13.9	11.6	9.1
42	-	-	-	-	-	10.2	8.5
46	-	-	-	-	-	7.5	7.5
48	-	-	-	-	-	-	6.9
50	-	-	-	-	-	-	6.5
52	-	-	-	-	-	-	5.9

No. of Hoist Lines
*(8) 7

7 6 5 4 4 4

DS 230 231 232 233 234 235 236

DS = operating mode switch on PAT-Console

3) Hook Block (13 sheaves) - weight 3000 kp required

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!
Limited jib stability (backwards)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 43.0 m Pos. 83°

Counterweight 50 t
Outrigger base 10 m

Radius (m)	Luffing Fly Jib (m)					
	24.0 ²⁾	30.0 ²⁾	36.0	42.0	48.0	54.0
10	25.0	-	-	-	-	-
12	24.5	19.5	-	-	-	-
14	24.3	18.8	16.0	-	-	-
16	24.2	18.6	15.5	12.5	-	-
18	24.2	18.5	15.3	12.4	10.3	-
20	24.2	18.5	15.1	12.3	10.2	8.0
22	24.2	18.5	15.0	12.2	10.1	8.0
24	<u>24.2</u>	18.5	15.0	12.1	10.0	7.9
26	-	18.5	15.0	12.1	9.9	7.8
28	-	18.5	15.0	12.1	9.8	7.8
30	-	<u>18.5</u>	15.0	12.1	9.7	7.8
34	-	-	<u>15.0</u>	12.1	9.7	7.8
38	-	-	-	12.1	9.7	7.8
42	-	-	-	<u>12.1</u>	9.7	7.5
46	-	-	-	-	9.7	6.6
48	-	-	-	-	<u>9.0</u>	5.7
50	-	-	-	-	-	5.5
54	-	-	-	-	-	<u>4.0</u>
No. of Hoist Lines						
	4	2	2	2	2	2
DS	231	232	233	234	235	236

DS = operating mode switch on PAT-Console

2) Hook Block (8 sheaves) - weight 1800 kp required

Lower weight of hook dangerous!

Limited jib stability (backwards)

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Luffing Fly Jib
Telescopes pinned

BS 1757/75%

360°

Capacity (t) = Load + Hook Block

Main Boom 52.0 m Pos. 70°

Counterweight 50 t
Outrigger base 10 m

Radius
(m)

Luffing Fly Jib (m)

48.0 54.0

46	2.9	-
50	2.7	1.3
54	2.6	1.1
58	2.5	1.0
62	<u>2.3</u>	1.0
66	-	<u>1.0</u>

No. of Hoist Lines

2 2

DS 235 236

DS = operating mode switch on PAT-Console

Crane hook 10 t (allowable single line speed 50 m/min)

Mannesmann
DEMAG Baumaschinen

HC 920-SL
s/n 35065

Capacities on fixed Jib
with Superlift-Suspension

3° -Pos.

BS 1757/75%

Telescopes pinned

360°
Counterweight 80 t
Outrigger base 10 m

Capacity (t) = Load + Hook Block

Main Boom 52.0 m

Radius (m)	Jib (m)			
	18.0	24.0	30.0	36.0
12	19.1	-	-	-
14	18.1	15.4	-	-
16	17.2	14.4	11.6	-
18	16.3	13.7	11.1	8.7
20	15.3	12.9	10.6	8.7
22	14.5	12.2	10.1	8.2
24	13.7	11.5	9.6	7.8
26	12.9	10.8	9.1	7.4
28	12.2	10.2	8.6	7.0
30	11.5	9.5	8.1	6.6
32	10.9	9.0	7.7	6.2
34	10.3	8.4	7.2	5.8
36	9.6	7.8	6.8	5.4
38	9.0	7.3	6.4	5.0
40	8.5	6.8	6.0	4.7
42	7.9	6.4	5.5	4.4
44	7.4	5.9	5.1	4.0
46	6.9	5.5	4.8	3.7
48	6.4	5.2	4.4	3.4
50	6.0	4.9	4.0	3.1
52	5.5	4.6	3.7	2.8
54	5.0	4.3	3.5	2.6
56	4.5	4.0	3.1	2.4
58	4.0	3.7	2.9	2.1
60	<u>3.5</u>	3.3	2.7	1.9
62	-	<u>2.8</u>	2.5	1.7
64	-	-	2.2	1.5
66	-	-	2.0	1.4
68	-	-	1.8	1.3
70	-	-	<u>1.6</u>	1.2
72	-	-	-	<u>1.2</u>
No. of Hoist Lines	2	2	2	2
DS	512	522	542	552

DS = operating mode switch on PAT-Console
Tele-Extension Jib fitted on basic boom

Mannesmann
DEMAG Baumaschinen

HC 920-SL
s/n 35065

Capacities on Tele-Extension-Boom
(with SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

Counterweight 80 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

	Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
12	-	-	10.5	-
14	20.0	14.7	10.1	-
16	19.4	13.9	9.8	8.0
18	18.8	13.1	9.4	7.6
20	18.0	12.6	9.0	7.3
22	17.1	11.9	8.7	7.1
24	16.2	11.2	8.3	6.8
26	15.4	10.7	8.0	6.5
28	14.3	10.1	7.7	6.3
30	13.3	9.6	7.4	6.1
32	12.5	9.1	7.0	5.8
34	11.8	8.6	6.7	5.6
36	11.0	8.2	6.4	5.4
38	10.2	7.7	6.2	5.2
40	9.1	7.3	5.9	5.0
42	8.1	6.8	5.6	4.8
44	7.3	6.4	5.3	4.6
46	6.6	6.0	5.1	4.5
48	6.0	5.6	4.8	4.3
50	<u>5.6</u>	5.3	4.6	4.1
54	-	<u>4.5</u>	4.2	3.8
58	-	-	3.8	3.5
62	-	-	<u>3.4</u>	<u>3.2</u>
No. of Hoist Lines				
	2	2	2	2
DS	062	162	072	172

DS = operating mode switch on PAT-Console

Mannesmann
DEMAG Baumaschinen

HC 920-SL
s/n 35065

Capacities on Tele-Extension-Boom
(with SL-Suspension)
Telescopes pinned

BS 1757/75%

Capacity (t) = Load + Hook Block

Counterweight 80 t
Outrigger base 10 m

Main Boom 52.0 m + Jib (m)

Pos. 0°	Pos. 15°	Pos. 0°	Pos. 15°
---------	----------	---------	----------

Radius (m)	52.0 + 12.0	52.0 + 12.0	52.0 + 20.0	52.0 + 20.0
---------------	-------------	-------------	-------------	-------------

12	-	-	10.5	-
14	20.0	14.7	10.1	-
16	19.4	13.9	9.8	8.0
18	18.8	13.1	9.4	7.6
20	18.0	12.6	9.0	7.3
22	17.1	11.9	8.7	7.1
24	16.2	11.2	8.3	6.8
26	15.4	10.7	8.0	6.5
28	14.3	10.1	7.7	6.3
30	13.3	9.6	7.4	6.1
32	12.5	9.1	7.0	5.8
34	11.8	8.6	6.7	5.6
36	11.0	8.2	6.4	5.4
38	10.2	7.7	6.2	5.2
40	9.1	7.3	5.9	5.0
42	8.1	6.8	5.6	4.8
44	7.3	6.4	5.3	4.6
46	6.6	6.0	5.1	4.5
48	6.0	5.6	4.8	4.3
50	<u>5.6</u>	5.3	4.6	4.1
54	-	<u>4.5</u>	4.2	3.8
58	-	-	3.8	3.5
62	-	-	<u>3.4</u>	<u>3.2</u>

No. of Hoist Lines

2	2	2	2
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DS	062	162	072	172
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DS = operating mode switch on PAT-Console

Mannesmann
DEMAG Baumaschinen

HC 920
s/n 35065

Capacities on Tele-Extension-Boom
Telescopes pinned

75%

Capacity (t) = Load + Hook Block

Counterweight 50 t
red. Outrigger base 6 m

Main Boom 52.0 m + Jib

Radius (m)	52.0 + 12.0 0°	52.0 + 12.0 15°	52.0 + 20.0 m 0°	52.0 + 20.0 15°
10	19.6	-	-	-
12	18.5	-	10.5	-
14	17.5	14.7	10.1	-
16	16.5	13.9	9.8	8.0
3	15.5	13.1	9.4	7.6
20	14.6	12.6	9.0	7.3
22	13.7	11.9	8.7	7.1
24	12.1	11.2	8.3	6.8
26	10.4	10.7	8.0	6.5
28	9.0	9.7	7.7	6.3
30	7.7	8.4	7.4	6.1
32	6.7	7.3	7.0	5.8
34	5.7	6.3	6.5	5.6
36	4.9	5.4	5.7	5.4
38	4.2	4.7	5.0	5.2
40	3.5	4.0	4.4	5.0
42	2.9	3.3	3.8	4.4
44	2.2	2.7	3.2	3.9
46	-	-	2.6	3.3
48	-	-	2.2	2.7
J	-	-	-	2.0
No. of Hoist Lines	2	2	2	2
DS	045	145	055	155

DS = operating mode switch on PAT-Console