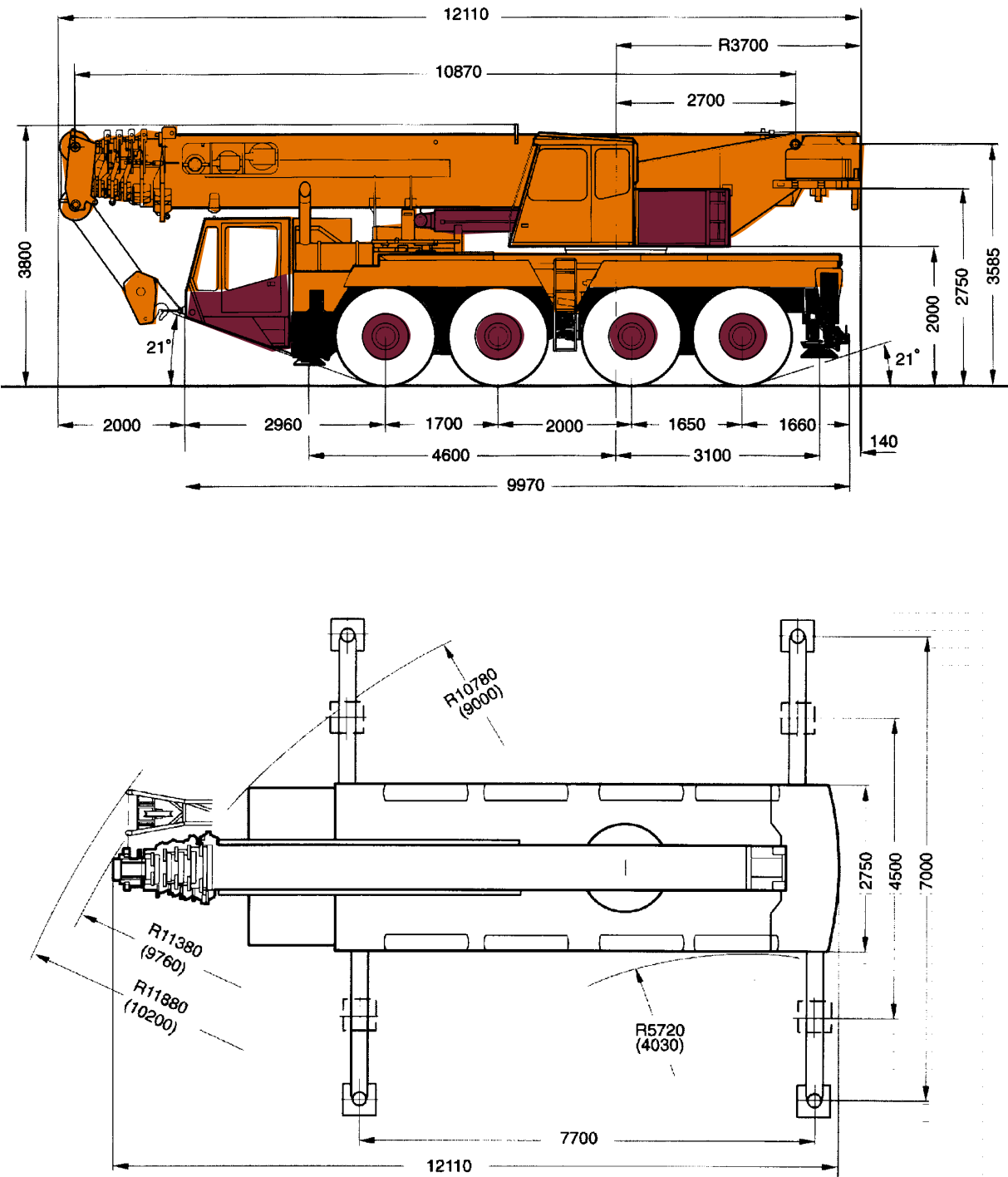




DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

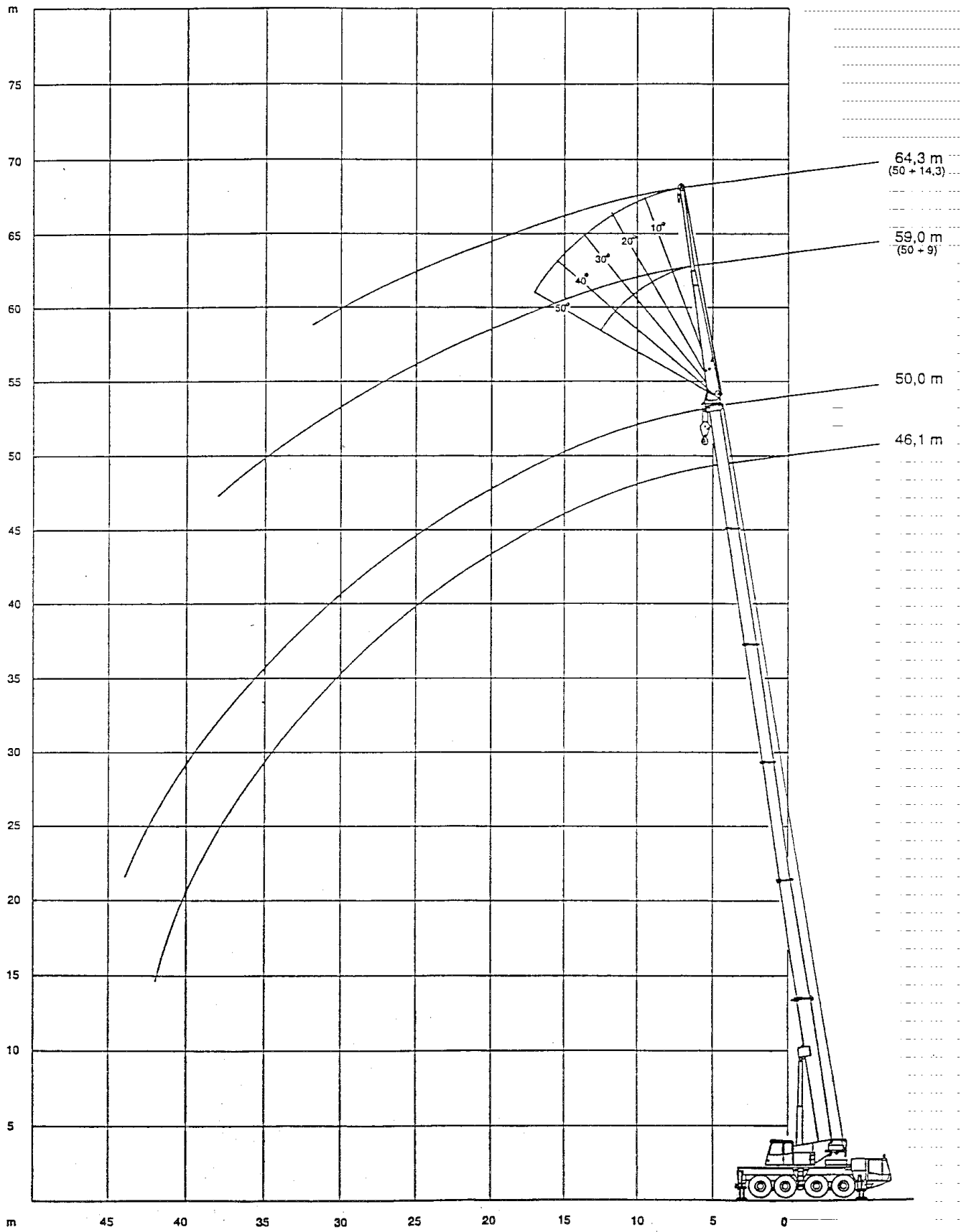
GENERAL DIMENSIONS



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

Main Boom Extension Working Range Diagram





DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205		Capacities on Main Boom								75%/DIN 15019.2
		Capacity (t) = Load + Hook Block								360°
										Counterweight 18t
										Outrigger base 7.7 x 7 m
Radius (m)	Main Boom (m)									
	10.9	16.1	21.4	25.0	31.2	37.1	42.3	46.1	50.0	
3.0	80.0*	-	-	-	-	-	-	-	-	
3.0	70.0	-	-	-	-	-	-	-	-	
3.5	64.7	50.0	-	-	-	-	-	-	-	
4.0	59.6	50.0	40.0	-	-	-	-	-	-	
4.5	55.2	50.0	38.0	30.0	-	-	-	-	-	
5.0	51.3	47.6	35.5	30.0	17.0	-	-	-	-	
6.0	42.2	41.8	31.7	28.9	17.0	15.0	-	-	-	
7.0	35.2	34.9	28.6	26.1	17.0	14.7	11.0	-	-	
8.0	28.4	29.8	26.0	23.5	17.0	14.1	11.0	8.0	-	
9.0	-	25.8	23.6	21.2	17.0	13.5	11.0	8.0	6.0	
10.0	-	22.1	21.2	19.1	16.1	12.9	11.0	8.0	6.0	
12.0	-	16.2	15.3	15.3	13.9	11.5	10.8	7.8	6.0	
14.0	-	-	11.6	11.6	12.1	10.2	9.8	7.5	5.9	
16.0	-	-	9.1	9.0	10.5	9.1	8.6	7.1	5.7	
18.0	-	-	7.2	7.1	8.5	8.1	7.6	6.7	5.4	
20.0	-	-	-	5.6	7.1	7.4	6.8	6.1	5.0	
22.0	-	-	-	-	5.9	6.3	6.2	5.6	4.6	
24.0	-	-	-	-	4.9	5.3	5.2	5.1	4.2	
26.0	-	-	-	-	4.1	4.5	4.3	4.5	3.8	
28.0	-	-	-	-	-	3.8	3.6	3.8	3.5	
30.0	-	-	-	-	-	3.2	3.0	3.2	3.2	
32.0	-	-	-	-	-	2.6	2.5	2.7	2.7	
34.0	-	-	-	-	-	-	2.1	2.3	2.3	
36.0	-	-	-	-	-	-	1.7	1.9	1.9	
38.0	-	-	-	-	-	-	1.3	1.5	1.5	
40.0	-	-	-	-	-	-	-	1.2	1.2	
42.0	-	-	-	-	-	-	-	0.9	0.9	
44.0	-	-	-	-	-	-	-	-	0.6	
No. of Hoist Lines		16	10	8	6	4	3	2	2	2
Sequence of extended boom (%):										
Tel I	0	0	67	80	67	67	90	90	100	
Tel II	0	67	67	100	67	67	90	90	100	
Tel III-V	0	0	0	0	42	67	74	90	100	
Dialling code for telescopic control		1	2	3	4	5	6	7	8	9

* over rear

- When runner is attached load capacities must be reduced by 130 kg.



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205 Capacities on Hydraulic Extension Boom 75%/DIN 15019.2
Capacity (t) = Load + Hook Block 360°

Extension Boom 9.0 m Counterweight 18.0 t
Outrigger base 7.70 x 7.00 m

Main Boom 42.3 m

(Sequence of extended boom 90-90-74-74-74 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
10.0	4.2	-	-	-	-	-
12.0	4.0	3.8	-	-	-	-
14.0	3.8	3.6	3.4	2.9	-	-
16.0	3.6	3.5	3.2	2.8	2.5	2.2
18.0	3.5	3.3	3.0	2.7	2.5	2.2
20.0	3.3	3.1	2.8	2.5	2.4	2.1
22.0	3.0	2.9	2.6	2.4	2.2	2.0
24.0	2.8	2.7	2.5	2.3	2.1	1.9
26.0	2.6	2.5	2.3	2.1	2.0	1.8
28.0	2.4	2.2	2.1	2.0	1.8	1.7
30.0	2.2	2.0	1.9	1.8	1.7	1.6
32.0	1.9	1.8	1.7	1.6	1.6	-
34.0	1.7	1.6	1.6	1.5	1.4	-
36.0	1.4	1.4	1.4	1.4	1.3	-
38.0	1.2	1.2	1.2	1.2	-	-
40.0	-	1.0	1.0	1.0	-	-

No. of Hoist Lines 2

Dialling code for telescopic control 7



8



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205

Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t

Outrigger base 7.70 x 7.00 m

Extension Boom 9.0 m

Main Boom 50.0 m

(Sequence of extended boom 100-100-100-100-100 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
12.0	1.9	-	-	-	-	-
14.0	1.9	1.9	-	-	-	-
16.0	1.9	1.9	1.9	-	-	-
18.0	1.9	1.9	1.9	1.9	1.9	1.9
20.0	1.9	1.9	1.9	1.9	1.9	1.9
22.0	1.9	1.9	1.9	1.9	1.9	1.9
24.0	1.9	1.9	1.9	1.9	1.9	1.9
26.0	1.7	1.7	1.7	1.7	1.7	1.8
28.0	1.5	1.5	1.5	1.6	1.6	1.6
30.0	1.3	1.3	1.3	1.4	1.4	1.4
32.0	1.1	1.1	1.1	1.2	1.2	1.3
34.0	0.9	1.0	1.0	1.0	1.0	1.1
36.0	0.8	0.8	0.8	0.9	0.9	0.9
38.0	0.6	0.6	0.6	0.7	0.7	-
40.0	-	-	-	0.6	0.6	-

No. of Hoist Lines

2

Dialling code for telescopic control

9



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t

Outrigger base 7.70 x 7.00 m

Extension Boom 14.3 m

Main Boom 42.3 m

(Sequence of extended boom 90-90-74-74-74 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
12.0	2.4	-	-	-	-	-
14.0	2.3	1.8	-	-	-	-
16.0	2.1	1.7	1.4	-	-	-
18.0	2.0	1.6	1.3	1.1	-	-
20.0	1.9	1.5	1.3	1.1	1.0	-
22.0	1.7	1.4	1.2	1.1	1.0	0.9
24.0	1.6	1.3	1.2	1.0	0.9	0.9
26.0	1.5	1.3	1.1	1.0	0.9	0.9
28.0	1.4	1.2	1.1	1.0	0.9	0.9
30.0	1.3	1.2	1.0	0.9	0.9	0.9
32.0	1.3	1.1	1.0	0.9	0.9	0.9
34.0	1.2	1.1	1.0	0.9	0.9	0.9
36.0	1.2	1.0	1.0	0.9	0.9	-
38.0	1.1	1.0	0.9	0.9	0.9	-
40.0	1.1	0.9	0.9	0.9	0.9	-
42.0	1.0	0.9	0.9	0.9	-	-
44.0	0.8	0.8	0.8	0.8	-	-
46.0	-	-	0.6	0.6	-	-

No. of Hoist Lines

2

Dialling code for telescopic control

7



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205	Capacities on Hydraulic Extension Boom		75%/DIN 15019.2			
	Capacity (t) = Load + Hook Block		360°			
		Counterweight		18.0 t		
		Outrigger base		7.70 x 7.00 m		
Extension Boom		14.3 m				
Main Boom		46.1 m				
		(Sequence of extended boom 90-90-90-90-90 °)				
Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
14.0	1.9	-	-	-	-	-
16.0	1.8	1.6	-	-	-	-
18.0	1.8	1.6	1.4	-	-	-
20.0	1.7	1.5	1.3	1.1	-	-
22.0	1.6	1.4	1.3	1.1	1.0	0.9
24.0	1.5	1.4	1.2	1.1	0.9	0.9
26.0	1.5	1.3	1.2	1.0	0.9	0.9
28.0	1.4	1.3	1.1	1.0	0.9	0.9
30.0	1.4	1.2	1.1	1.0	0.9	0.9
32.0	1.3	1.2	1.1	1.0	0.9	0.9
34.0	1.2	1.1	1.0	0.9	0.9	0.9
36.0	1.2	1.1	1.0	0.9	0.9	0.9
38.0	1.1	1.0	1.0	0.9	0.9	0.9
40.0	1.0	1.0	0.9	0.9	0.9	-
42.0	0.8	0.9	0.9	0.8	0.8	-
44.0	0.6	0.7	0.8	0.8	0.8	-
46.0	-	-	0.6	0.7	-	-
No. of Hoist Lines		2				
Dialling code for telescopic control		8				



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205		Capacities on Hydraulic Extension Boom					75%/DIN 15019.2
		Capacity (t) = Load + Hook Block					360°
		Counterweight					18.0 t
		Outrigger base					7.70 x 7.00 m
		Extension Boom					14.3 m
		Main Boom					50.0 m
		(Sequence of extended boom 100-100-100-100-100 %)					
Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°	
14.0	0.9	-	-	-	-	-	
16.0	0.9	-	-	-	-	-	
18.0	0.9	0.9	0.9	-	-	-	
20.0	0.9	0.9	0.9	0.9	-	-	
22.0	0.9	0.9	0.9	0.9	0.9	-	
24.0	0.9	0.9	0.9	0.9	0.9	0.9	
26.0	0.9	0.9	0.9	0.9	0.9	0.9	
28.0	0.9	0.9	0.9	0.9	0.9	0.9	
30.0	0.9	0.9	0.9	0.9	0.9	0.9	
32.0	0.9	0.9	0.9	0.9	0.9	0.9	
34.0	0.9	0.9	0.9	0.9	0.9	0.9	
36.0	0.8	0.8	0.9	0.9	0.9	0.9	
38.0	0.7	0.7	0.8	0.8	0.8	0.8	
40.0	-	0.6	0.7	0.7	0.7	0.8	
42.0	-	-	0.6	0.6	-	-	
No. of Hoist Lines		2					
Dialling code for telescopic control		9					
Operating mode switch on PAT-console		1041					