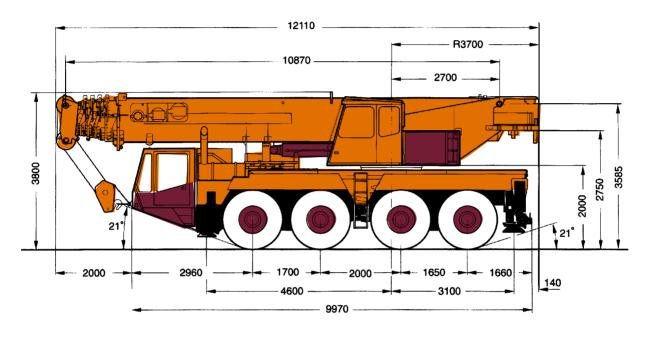
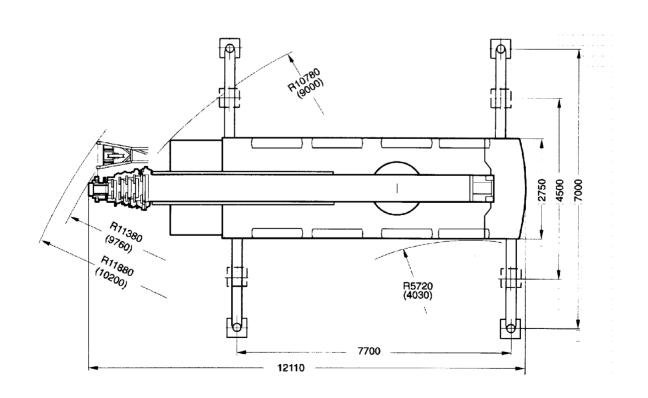
DEMAG AC 205

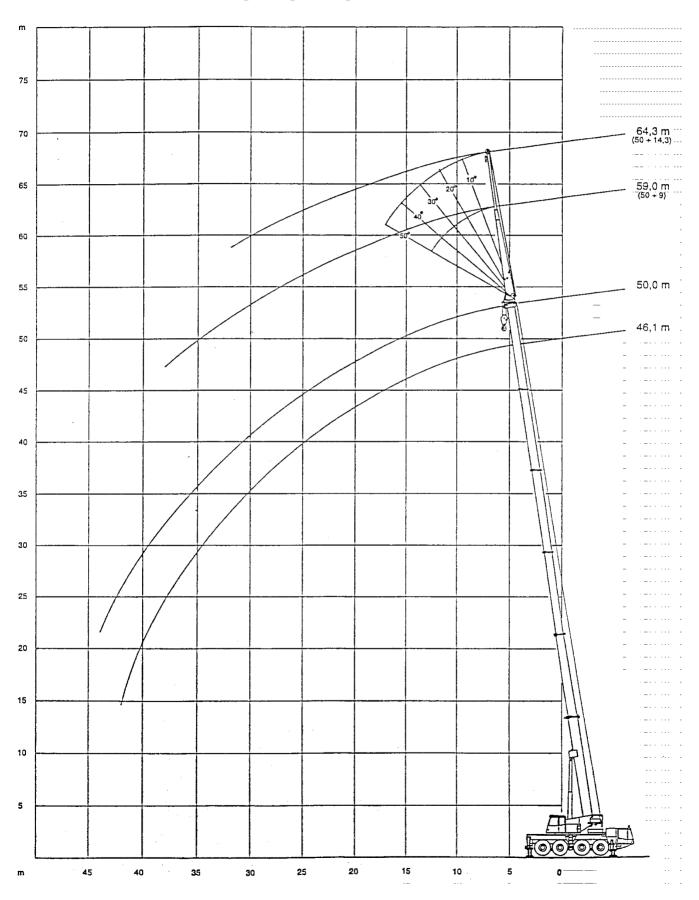
80 Tonne Hydraulic All Terrain Crane

GENERAL DIMENSIONS





Main Boom Extension Working Range Diagram



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

^{*} over rear

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

 	75%/DIN 15019 Capacities on Hydraulic Extension Boom							
 360° 		Block	ad + Hook :	Capacity				
18.0 t x 7.00 m	eight r base 7.70	Counterwe Outrigge:	.0 m					
	-74 %)	0-90-74-74	ded boom 90	e of extend	(Sequence			
Pos.50°	Pos.40°	Pos.30°	Pos.20°	Pos.10°	Pos.0°	Radius (m)		
 		-		***	4.2	10.0		
2.2 2.2 2.2 2.1	- 2.5 2.5 2.4	- 2.9 2.8 2.7 2.5	3.4 3.2 3.0 2.8	3.8 3.6 3.5 3.3 3.1	4.0 3.8 3.6 3.5 3.3	12.0 14.0 16.0 18.0 20.0		
2.0 1.9 1.8 1.7	2.2 2.1 2.0 1.8 1.7	2.4 2.3 2.1 2.0 1.8	2.6 2.5 2.3 2.1 1.9	2.9 2.7 2.5 2.2 2.0	3.0 2.8 2.6 2.4 2.2	22.0 24.0 26.0 28.0 30.0		
- - - -	1.6 1.4 1.3	1.6 1.5 1.4 1.2	1.7 1.6 1.4 1.2	1.8 1.6 1.4 1.2	1.9 1.7 1.4 1.2	320 34.0 36.0 38.0 40.0		
			2	-	st Lines	o. of Ho		

AC 205	Capacit	ies on Hyd	raulic Ext	ension Boo		IN 15019.2			
	Capacity (t) = Load + Hook Block								
	Extensi	on Boom 9	. O m	Counterweight 18.0 t Outrigger base 7.70 x 7.00 m					
·									
	Main Boo	om 46.1 m							
•	(Sequence	e of exten	ded boom 9	0-90-90-90	-90 %)				
Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°			
12.0 14.0 16.0 18.0	3.3 3.2 3.1 3.0	3.0 2.9 2.8	- 3.0 2.8 2.7	2.7 2.5	- 2.5 2.4	2.2			
20.0	2.8	2.7	2.5.	2.4	2.3	2.1			
22.0 24.0 26.0 28.0 30.0	2.7 2.5 2.3 2.1 2.0	2.5 2.4 2.2 2.0 1.9	2.4 2.2 2.1 2.0 1.8	2.3 2.1 2.0 1.9 1.7	2.2 2.0 1.9 1.8 1.6	2.0 1.9 1.8 1.7			
32.0 34.0 36.0 38.0 40.0	1.8 1.6 1.4 1.0	1.7 1.5 1.4 1.2 0.8	1.6 1.5 1.3 1.2	1.6 1.4 1.3 1.1	1.5 1.4 1.2 1.1 0.9	1.5 			
42.0	-	0.6	0.6	0.7	-	 . <u>-</u>			
No. of Ho	oist Lines			2					
Dialling	code for te	elescopic		8					

						-
					75%/D	IN 15019.2
AC 205	Capacit	ies on Hyd	raulic Ext	ension Boor	ת קהיכו מו	110 13019.2
	_	·			-	360°
	Capacit	y (t) = Lo	ad + Hook 1	Block	•	
				Counterwe	eight	18.0 t
						0 x 7.00 m
	Extensi	on Boom 9	.0 m			
	Main Bo	om 50.0 m				
	(Sequenc	e of exten	ded boom 1	00-100-100	-100-100 %)
Radius	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
(m)		 				
12.0	1.9	-	-	-	-	. -
14.0	1.9	1.9	-	-er	-	-
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
22.0						
	1.9	1.9	1.9	1.9	1.9	1.9
24.0				1.9 1.7	1.9 1.7	1.9
24.0 26.0	1.7	1.7	1.7	1.7	1.7	1.8
24.0						
24.0 26.0 28.0 30.0	1.7 1.5 1.3	1.7 1.5 1.3	1.7 1.5 1.3	1.7 1.6 1.4	1.7 1.6 1.4	1.8 1.6 1.4
24.0 26.0 28.0 30.0	1.7 1.5 1.3	1.7 1.5 1.3	1.7 1.5 1.3	1.7 1.6 1.4	1.7 1.6 1.4	1.8 1.6 1.4
24.0 26.0 28.0 30.0 32.0 34.0	1.7 1.5 1.3 1.1	1.7 1.5 1.3 1.1	1.7 1.5 1.3 1.1	1.7 1.6 1.4 1.2 1.0	1.7 1.6 1.4 1.2	1.8 1.6 1.4 1.3 1.1
24.0 26.0 28.0 30.0 32.0 34.0 36.0	1.7 1.5 1.3 1.1 0.9 0.8	1.7 1.5 1.3 1.1 1.0 0.8	1.7 1.5 1.3 1.1 1.0 0.8	1.7 1.6 1.4 1.2 1.0 0.9	1.7 1.6 1.4 1.2 1.0	1.8 1.6 1.4 1.3 1.1
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	1.7 1.5 1.3 1.1	1.7 1.5 1.3 1.1 1.0 0.8 0.6	1.7 1.5 1.3 1.1	1.7 1.6 1.4 1.2 1.0 0.9 0.7	1.7 1.6 1.4 1.2 1.0 0.9 0.7	1.8 1.6 1.4 1.3 1.1
24.0 26.0 28.0 30.0 32.0 34.0 36.0	1.7 1.5 1.3 1.1 0.9 0.8	1.7 1.5 1.3 1.1 1.0 0.8	1.7 1.5 1.3 1.1 1.0 0.8	1.7 1.6 1.4 1.2 1.0 0.9	1.7 1.6 1.4 1.2 1.0	1.8 1.6 1.4 1.3 1.1
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	1.7 1.5 1.3 1.1 0.9 0.8	1.7 1.5 1.3 1.1 1.0 0.8 0.6	1.7 1.5 1.3 1.1 1.0 0.8	1.7 1.6 1.4 1.2 1.0 0.9 0.7	1.7 1.6 1.4 1.2 1.0 0.9 0.7	1.8 1.6 1.4 1.3 1.1

Dialling code for telescopic control

9

AC 205	75%/DIN 15019.2 Capacities on Hydraulic Extension Boom									
200	360									
	Capacit	y (t) = Lo	ad + Hook :	Counterweight 18.0 t Outrigger base 7.70 x 7.00 m						
	Extensi	on Boom 1	4.3 m			•				
	Main Bo	om 42.3 m								
	(Sequenc	e of exten	ded boom 9	0-90-74-74	-74 %)					
Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°				
12.0	2.4	-	<u>-</u>	••						
14.0	2.3	1.8	-	~	_	_				
16.0 18.0	2.1	1.7 1.6	1.4 1.3	1.1	-					
20.0	1.9	1.5	1.3	1.1	1.0	<u>-</u>				
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	Ö.9	··· <u>-</u> ···				
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						
42.0 44.0	1.0 0.8	. 0.8	0.8	0.8	_	_				
46.0	-	. 0.5	0.6	0.6	_	-				
			0.5		-	-				
	ist Lines									
No. of ho	100 321100		2	_						

		•	·			IN 15019.2				
AC 205	Capacities on Hydraulic Extension Boom 360°									
	Capacity	y (t) = Lo	ad + Hook	Block						
	Extensi	on Boom 1	4.3 m	Counterw Outrigge	eight r base 7.7	18.0 t 0 x 7.00 m				
	Main Boo	om 46.1 m								
	(Sequence	e of extend	ded boom 9	0-90-90-90	-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	<u>.</u> :				
46.0	-	-	.0.6	0.7	-	<u>. </u>				
No. of Ho	ist Lines									
-	•		:	2		· —-				
					<u> </u>	·				
Dialling	code for te	elescopic d	control							
			{	3						

AC 205	Capacit	ies on Hyd		IN 15019.2				
203	oupuoro	in the second	TOUTLY DAG	CHBION DOC	,111	3ē0∘		
	Capacit	y (t) = Lo	ad + Hook					
·				Counterweight 18.0 t				
•					eignt r base 7.7	18.0 E 0 x 7.00 m		
	Extensi	on Boom 1	4.3 m					
	Mada Da	50 0						
	Main BO	om 50.0 m				- <u>-</u> -		
	(Sequenc	e of exten	ded boom 1	00-100-100	-100-100 %)		
Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°		
(111)			· · · · · · · · · · · · · · · · · · ·	 	<u> </u>			
14.0	0.9	-	-	_		-		
16.0	0.9	-	<u></u>	-	-	-		
18.0 20.0	0.9 0.9	0.9 0.9	0.9 0.9	0.9	_	.		
20.0	0.5	0.5	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 Ho	ist Lines	,						
				2				
Dialling	code for te	elescopic d						
		×.)				
Operating	mode switch	ch on PAT-o	console	11				