

Demag AC40

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Tonne

City & Low
Headroom Cranes

Lifting capacities - outriggers fully extended

Radius (m)	Outriggers fully extended							Free on wheels			
	Over rear	360° Slew						over Rear			
3	40.0	34.3	25.0	21.0	19.5	25.3	28.4	31.2	7.8	10.7	13.6
3.5		32.4	25.0	21.0					12.9	12.4	13.4
4		30.5	25.0	21.0	16.0				11.5	11.1	12.1
4.5		28.3	25.0	20.7	16.0				10.4	10.0	11.0
5			24.0	19.7	16.0					9.0	10.0
6			20.3	17.9	16.0	14.0				7.5	8.4
7			17.0	16.0	15.3	13.2	11.1			6.1	7.2
8				15.4	14.0	12.2	10.8	9.0			5.9
9				12.6	12.3	11.2	10.1	8.8			4.8
10				10.5	10.3	10.3	9.4	8.3			4.1
12					8.1	7.6	7.6	7.3			
14						5.9	6.0	5.9			
16							5.0	4.9	4.7		
18							4.3	4.0	3.8		
20							3.5	3.4	3.1		
22							3.0	2.8	2.6		
24								2.3	2.1		
26									1.7		
28									1.4		
30											
HB		20.0	14.0	8.8	4.5	2.5	1.8	1.1	8.0	4.0	3.0

Lifting capacities - outriggers partially extended

Radius (m)	Outriggers partially extended (4.40m) - 360°						
	Main Boom						
3	34.3	25.0	21.0				
3.5	31.2	25.0	21.0				
4	28.3	25.0	21.0	16.0			
4.5	23.8	23.0	20.7	16.0			
5		18.4	18.0	16.0			
6		13.0	14.4	14.2	13.6		
7		9.8	11.1	11.4	10.9	10.8	
8			8.9	9.2	8.7	8.8	8.8
9			7.3	7.6	7.7	7.4	7.2
10			6.2	6.4	6.5	6.3	6.1
12				4.8	4.9	4.7	4.5
14				3.7	3.8	3.6	3.4
16				3.0	3.0	2.8	2.7
18					2.5	2.3	2.1
20					2.1	1.8	1.7
22					1.7	1.5	1.3
24						1.2	1.0
26							0.8
28							0.6
HB	20.0	7.0	5.2	2.5	1.5	0.8	

The charts that have been included have been reproduced from manufacturer specifications, and while every effort has been made to ensure their accuracy, we do not accept any responsibility for errors or omissions. We also need to draw your attention to the guidance notes on page 48 to assist you with your crane selection.



Lifting capacities - outriggers in min. position

Radius (m)	Outriggers at 2.34m - 360° Slew				Free on wheels - 360° Slew (Stationery)		
	7.8	10.7	13.6	19.5	7.8	10.7	13.6
4	11.8	11.2	12.6	12.9			
4.5	9.8	9.2	10.5	10.8	5.9	5.4	6.6
5		7.7	8.9	9.2		4.7	5.8
6		5.7	6.7	7.0		3.6	4.7
7		4.3	5.3	5.5		2.8	3.8
8			4.3	4.5			3.1
9			3.6	3.8			2.6
10			3.0	3.2			2.2
12				2.3			
14				1.7			
HB	8.0	2.8	2.1		4.8	1.9	1.3

Main Boom extension

360° Slew - 25.3m Main Boom +								
Radius (m)	Outriggers fully extended				Outriggers Partially Extended (4.40m)			
	7.1m ext		13.0m ext		7.1m ext		13.0m ext	
	0°	30°	0°	30°	0°	30°	0°	30°
8	6.5				6.5			
9	6.2				6.2			
10	5.9	4.2	3.6		5.9	4.2	3.6	
12	5.4	4.0	3.3		4.7	4.0	3.3	
14	4.9	3.8	3.0		3.6	3.8	3.0	
16	4.5	3.7	2.8	2.2	2.8	3.1	2.8	2.2
18	4.0	3.5	2.6	2.1	2.3	2.5	2.4	2.1
20	3.3	3.4	2.4	2.0	1.8	2.0	1.9	2.0
22	2.8	2.9	2.3	1.9	1.5	1.6	1.6	1.9
24	2.3	2.4	2.1	1.9	1.2	1.3	1.3	1.6
26	1.9		2.0	1.8	0.9		1.0	1.3
28	1.6		1.7	1.8	0.7		0.8	1.0
30			1.5	1.6			0.6	0.8
32			1.2					
34			1.0					

360° Slew - 31.2m Main Boom +								
Radius (m)	Outriggers fully extended				Outriggers Partially Extended			
	7.1m ext		13.0m ext		7.1m ext		13.0m ext	
	0°	30°	0°	30°	0°	30°	0°	30°
10	5.0				5.0			
12	4.8	3.9	3.0		4.6	3.9	3.0	
14	4.6	3.7	2.9		3.5	3.7	2.9	
16	4.4	3.5	2.8		2.8	3.1	2.8	
18	4.0	3.3	2.7	2.1	2.2	2.5	2.3	2.1
20	3.3	3.1	2.5	2.0	1.7	2.0	1.8	2.0
22	2.7	2.9	2.4	1.9	1.4	1.6	1.5	1.8
24	2.2	2.4	2.2	1.9	1.1	1.3	1.2	1.5
26	1.8	2.0	1.9	1.8	0.8	1.0	0.9	1.2
28	1.5	1.6	1.6	1.8	0.6	0.7	0.7	1.0
30	1.2	1.3	1.3	1.6				0.7
32	0.9		1.1	1.3				
34	0.7		0.9	1.0				
36			0.7					

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Runner

Radius (m)	Outriggers partially extended - 360° Slew Main Boom						
	7.8	10.7	13.6	19.5	25.3	28.4	31.2
3	15.0 ¹⁾	15.0 ²⁾	15.0 ³⁾				
3.5	15.0 ¹⁾	15.0 ¹⁾	15.0 ¹⁾				
4	15.0 ²⁾	15.0 ¹⁾	15.0 ³⁾				
4.5	15.0 ²⁾	15.0 ¹⁾	15.0 ³⁾	15.0 ¹⁾			
5	15.0 ³⁾	15.0 ¹⁾	15.0 ¹⁾	15.0 ¹⁾			
6		15.0 ¹⁾	15.0 ¹⁾	14.5 ¹⁾			
7		15.0 ²⁾	15.0 ¹⁾	13.6 ¹⁾	11.9 ¹⁾		
8		14.1 ³⁾	14.3 ³⁾	12.5 ¹⁾	11.0 ¹⁾	9.8 ¹⁾	
9			12.6 ²⁾	11.6 ¹⁾	10.2 ¹⁾	9.1 ¹⁾	8.3 ¹⁾
10			10.5 ³⁾	10.3 ¹⁾	9.5 ¹⁾	8.6 ¹⁾	7.8 ¹⁾
12				7.5 ¹⁾	7.6 ¹⁾	7.6 ¹⁾	6.8 ¹⁾
14				6.2 ²⁾	5.8 ¹⁾	5.8 ¹⁾	5.8 ¹⁾
16				5.0 ³⁾	4.5 ¹⁾	4.8 ¹⁾	4.6 ¹⁾
18					4.0 ²⁾	3.9 ¹⁾	3.7 ¹⁾
20					3.4 ²⁾	3.2 ²⁾	2.9 ¹⁾
22					2.9 ³⁾	2.6 ²⁾	2.3 ²⁾
24						2.1 ³⁾	1.9 ²⁾
26						1.8 ³⁾	1.5 ²⁾
28							1.2 ³⁾
HB	15.0 ²⁺³⁾	11.0 ²⁺³⁾	7.5 ²⁺³⁾	3.8 ²⁺³⁾	2.2 ²⁺³⁾	1.4 ²⁺³⁾	0.8 ²⁺³⁾

Radius (m)	Outriggers partially extended - 360° Slew Main Boom						
	7.8	10.7	13.6	19.5	25.3	28.4	31.2
3	15.0 ¹⁾	15.0 ¹⁾	15.0 ¹⁾				
3.5	15.0 ¹⁾	15.0 ¹⁾	15.0 ¹⁾				
4	15.0 ²⁾	15.0 ¹⁾	15.0 ¹⁾				
4.5	15.0 ²⁾	15.0 ¹⁾	15.0 ¹⁾	15.0 ¹⁾			
5	15.0 ³⁾	15.0 ¹⁾	15.0 ³⁾	15.0 ¹⁾	11.0 ¹⁾		
6		13.3 ³⁾	14.7 ¹⁾	14.4 ¹⁾	8.7 ¹⁾		
7		10.0 ²⁾	11.0 ¹⁾	11.0 ¹⁾	7.2 ¹⁾		
8		7.9 ³⁾	8.9 ¹⁾	9.2 ¹⁾	6.5 ¹⁾	8.7 ¹⁾	
9			7.4 ²⁾	7.6 ¹⁾	4.8 ¹⁾	7.4 ¹⁾	7.2 ¹⁾
10			6.2 ²⁾	6.4 ¹⁾	3.7 ¹⁾	6.2 ¹⁾	6.0 ¹⁾
12				4.7 ¹⁾	2.9 ¹⁾	4.6 ¹⁾	4.3 ¹⁾
14				3.6 ²⁾	2.4 ²⁾	3.5 ¹⁾	3.3 ¹⁾
16				2.9 ³⁾	1.9 ²⁾	2.7 ¹⁾	2.5 ¹⁾
18					1.6 ³⁾	2.1 ¹⁾	1.9 ¹⁾
20						1.7 ²⁾	1.5 ¹⁾
22						1.3 ²⁾	1.1 ²⁾
24						1.1 ³⁾	0.8 ²⁾
26						0.8 ³⁾	
28							
HB	15.0 ²⁺³⁾	6.8 ²⁺³⁾	4.8 ²⁺³⁾	2.3 ²⁺³⁾	1.2 ²⁺³⁾		

¹⁾ Working range max. offset for runner

²⁾ Working range medium offset for runner

³⁾ Working range min. offset for runner

HB: With horizontal Boom

