

# M320F

Wheeled Excavator



## Lift Capacity Specifications

# Table of Contents

## M320F Wheeled Excavator Lift Charts

### Variable Adjustable Boom – Counterweight: 3700 kg

Medium Stick – 2500 mm .....	3
Long Stick – 2800 mm .....	4
Industrial Stick – 3300 mm .....	5

### Variable Adjustable Boom – Counterweight: 4200 kg

Medium Stick – 2500 mm .....	6
Long Stick – 2800 mm .....	7
Industrial Stick – 3300 mm .....	8

### One-Piece Boom – Counterweight: 3700 kg

Medium Stick – 2500 mm .....	9
Long Stick – 2800 mm .....	10
Industrial Stick – 3300 mm .....	11

### One-Piece Boom – Counterweight: 4200 kg

Medium Stick – 2500 mm .....	12
Long Stick – 2800 mm .....	13
Industrial Stick – 3300 mm .....	14





# M320F Wheeled Excavator Lift Charts

## Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (3700 kg), heavy lift on.

Industrial Stick 3300 mm	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	Undercarriage configuration												mm
						3000 mm			4500 mm			6000 mm			7500 mm			
						Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	
6000 mm	Rear dozer up								*4950	4050	3600				*3150	2950	2600	7310
	Rear dozer down								*4950	4050					*3150	2950		
	Dozer and stabilizer down								*4950	*4950	*4950				*3150	*3150	*3150	
	2 sets of stabilizers down								*4950	*4950	*4950				*3150	*3150	*3150	
4500 mm	Wide rear dozer up								4100	3900					2950	2850		
	Rear dozer up				*5900	*5900	5350	5450	3950	3500	3850	2800	2500	*3100	2500	2200	8020	
	Rear dozer down				*5900	*5900	5900		*5800	3950		*4500	2800		*3100	2500		
	Dozer and stabilizer down				*5900	*5900	5900		*5800	5650		*4500	4000		*3100	*3100		
2 sets of stabilizers down				*5900	*5900	5900	*5800	*5800	*5800	*4500	*4500	*4500	*3100	*3100	*3100			
3000 mm	Wide rear dozer up				*5900	*5900	5850		3950	3800		2800	2700		2500	2400		
	Rear dozer up				8100	5700	4950	5250	3750	3300	3750	2700	2400	3150	2250	2000	8400	
	Rear dozer down				*8150	5650		*6550	3750		5500	2700		*3200	2300			
	Dozer and stabilizer down				*8150	*8150		*6550	5450		5550	3950		*3200	*3200			
2 sets of stabilizers down				*8150	*8150	*8150	*6550	*6550	6300	*5650	*5650	4500	*3200	*3200	*3200			
1500 mm	Wide rear dozer up				5700	5450		3800	3600		2700	2600		2300	2200			
	Rear dozer up				7600	5250	4550	5000	3550	3100	3650	2600	2300	3050	2200	1900	8480	
	Rear dozer down				*9750	5200		*7250	3550		5400	2600		*3400	2200			
	Dozer and stabilizer down				*9750	7950		*7250	5250		5450	3800		*3400	3200			
2 sets of stabilizers down				*9750	9350	*7250	*7250	6050	*5950	5550	4400		*3400	*3400				
0 mm	Wide rear dozer up				5250	5000		3550	3400		2600	2500		2200	2100			
	Rear dozer up	*7000	*7000	*7000	7250	4950	4250	4800	3400	2950	3550	2500	2200	3100	2200	1950	8290	
	Rear dozer down		*7000	*7000	*10 550	4900		7400	3350		5250	2500		*3800	2200			
	Dozer and stabilizer down		*7000	*7000	*10 550	7600		7400	5050		5350	3700		*3800	3250			
2 sets of stabilizers down	*7000	*7000	*7000	*10 550	*10 550	9000	*7700	7600	5850	*6100	5450	4300	*3800	*3800	3750			
-1500 mm	Wide rear dozer up				4950	4700		3400	3250		2550	2400		2200	2100			
	Rear dozer up	*9800	8750	7200	7100	4800	4100	4700	3300	2850	3500	2450	2150	3350	2350	2050	7790	
	Rear dozer down		*9800	8600	*10 350	4750		7250	3300		5200	2450		*4500	2350			
	Dozer and stabilizer down		*9800	*9800	*10 350	7450		7300	4950		5300	3650		*4500	3500			
2 sets of stabilizers down	*9800	*9800	*9800	*10 350	*10 350	8800	*7600	7450	5750	*5800	5400	4250	*4500	*4500	4000			
-3000 mm	Wide rear dozer up				4800	4550		3300	3150		2500	2400		2350	2250			
	Rear dozer up	*12 900	8850	7250	7050	4800	4100	4700	3250	2850				3900	2750	2400	6930	
	Rear dozer down		*12 900	8700	*9150	4750		*6750	3250					*5400	2750			
	Dozer and stabilizer down		*12 900	*12 900	*9150	7450		*6750	4950					*5400	4100			
2 sets of stabilizers down	*12 900	*12 900	*12 900	*9150	*9150	8800	*6750	*6750	5750				*5400	*5400	4700			
-3000 mm	Wide rear dozer up				4800	4550		3300	3150		2500	2400		2350	2250			

\*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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# M320F Wheeled Excavator Lift Charts

## Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (4200 kg), heavy lift on.

Medium Stick 2500 mm	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	Lift Capacity (kg)												mm
						3000 mm			4500 mm			6000 mm			7500 mm			
						Stick	Bucket	Quick Coupler	Stick	Bucket	Quick Coupler	Stick	Bucket	Quick Coupler	Stick	Bucket	Quick Coupler	
6000 mm	Rear dozer up					*6200	*6200	5450	5400	3900	3400				*3300	3250	2850	6630
	Rear dozer down					*6200	6200			*5500	3850					*3300	3250	
	Dozer and stabilizer down					*6200	*6200			*5500	*5500					*3300	*3300	
	2 sets of stabilizers down					*6200	*6200	*6200	*5500	*5500	*5500				*3300	*3300	*3300	
4500 mm	Wide rear dozer up					*6200	*6200	5950		3900	3700					3250	3100	
	Rear dozer up					*7200	5950	5200	5300	3800	3300				*3150	2650	2300	7410
	Rear dozer down					*7200	*7200	5900		*6100	3750					*3150	2650	
	Dozer and stabilizer down					*7200	*7200	*7200		*6100	5550					*3150	*3150	
2 sets of stabilizers down					*7200	*7200	*7200	*6100	*6100	*6100				*3150	*3150	*3150		
3000 mm	Wide rear dozer up					*7200	6000	5700		3800	3650					2650	2550	
	Rear dozer up					7950	5500	4750	5100	3600	3150	3600	2550	2200	*3150	2350	2050	7820
	Rear dozer down					*8700	5450			*6650	3600		*5250	2550		*3150	2350	
	Dozer and stabilizer down					*8700	8350			*6650	5350			3800		*3150	*3150	
2 sets of stabilizers down					*8700	*8700	*8700	*6650	*6650	6200	*5250	*5250	4350	*3150	*3150	*3150		
1500 mm	Wide rear dozer up						5500	5200		3600	3450					2350	2250	
	Rear dozer up					7450	5050	4300	4900	3400	2950	3500	2450	2100	3250	2250	1950	7910
	Rear dozer down					*9900	5050			*7200	3400		5300	2450		*3350	2250	
	Dozer and stabilizer down					*9900	*9900	7850		*7200	5100		5350	3700		*3350	*3350	
2 sets of stabilizers down					*9900	*9900	9250	*7200	*7200	5950	*5750	5500	4250	*3350	*3350	*3350		
0 mm	Wide rear dozer up						5100	4800		3400	3250		2450	2350		2250	2150	
	Rear dozer up					7200	4850	4100	4750	3250	2800	3450	2400	2050	3350	2300	2000	7700
	Rear dozer down					*10 100	4800			*7350	3250		5250	2400		*3700	2300	
	Dozer and stabilizer down					*10 100	7600			*7350	4950		5300	3600		*3700	3500	
2 sets of stabilizers down					*10 100	*10 100	9000	*7350	*7350	5800	*5600	5400	4200	*3700	*3700	*3700		
-1500 mm	Wide rear dozer up						4850	4550		3250	3100		2400	2300		2300	2200	
	Rear dozer up	*9450	9000	7400	7150	4750	4050	4650		3200	2750				3700	2550	2200	7160
	Rear dozer down		*9450	8850		*9350	4750			*6900	3200					*4400	2550	
	Dozer and stabilizer down		*9450	*9450		*9350	7550			*6900	4900					*4400	3850	
2 sets of stabilizers down	*9450	*9450	*9450	*9350	*9350	8950	*6900	*6900	*6900	5750				*4400	*4400	*4400		
-3000 mm	Wide rear dozer up						9050	8350		3200	3050					2550	2400	
	Rear dozer up					7200	4850	4100	4750	3250	2800				4550	3150	2700	6210
	Rear dozer down					*7600	4800			*5250	3250					*4800	3150	
	Dozer and stabilizer down					*7600	*7600	*7600		*5250	5000					*4800	4750	
2 sets of stabilizers down					*7600	*7600	*7600	*5250	*5250	*5250				*4800	*4800	*4800		

\*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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# M320F Wheeled Excavator Lift Charts

## Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (4200 kg), heavy lift on.

Industrial Stick 3300 mm	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load over side	Load point height	Undercarriage configuration												mm
						3000 mm			4500 mm			6000 mm			7500 mm			
						Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	Load at maximum reach (stick nose/bucket pin)	Load over front	Load over rear	
6000 mm	Rear dozer up								*4950	4300	3850					*3150	*3150	2800
	Rear dozer down								*4950	4300						*3150	*3150	*3150
	Dozer and stabilizer down								*4950	*4950	*4950					*3150	*3150	*3150
	2 sets of stabilizers down								*4950	*4950	*4950					*3150	*3150	*3150
Wide rear dozer up									4350	4150					*3150	*3150	3050	
4500 mm	Rear dozer up					*5900	*5900	5700	5750	4200	3750	4100	3000	2650	*3100	2700	2400	
	Rear dozer down					*5900	*5900	5900		*5800	4200		*4500	3000		*3100	2700	
	Dozer and stabilizer down					*5900	*5900	5900		*5800	*5800		*4500	4250		*3100	*3100	
	2 sets of stabilizers down					*5900	*5900	5900	*5800	*5800	*5800	*4500	*4500	*4500	*3100	*3100	*3100	
Wide rear dozer up					*5900	*5900	5900		4250	4050		3000	2900		2700	2600		
3000 mm	Rear dozer up					*8150	6100	5300	5550	4000	3550	4000	2900	2600	*3200	2450	2150	
	Rear dozer down					*8150	6050			*6550	4000		*5650	2900		*3200	2450	
	Dozer and stabilizer down					*8150	*8150			*6550	5800		*5650	4150		*3200	*3200	
	2 sets of stabilizers down					*8150	*8150	*8150	*6550	*6550	*6550	*5650	*5650	4750	*3200	*3200	*3200	
Wide rear dozer up						6100	5800		4050	3850		2900	2800		2450	2350		
1500 mm	Rear dozer up					8050	5600	4850	5300	3800	3350	3900	2800	2500	3250	2350	2100	
	Rear dozer down						*9750	5600		*7250	3800		5700	2800		*3400	2350	
	Dozer and stabilizer down						*9750	8450		*7250	5550		5700	4050		*3400	*3400	
	2 sets of stabilizers down					*9750	*9750	*9750	*7250	*7250	6400	*5950	5850	4650	*3400	*3400	*3400	
Wide rear dozer up						5650	5350		3850	3650		2800	2700		2350	2250		
0 mm	Rear dozer up	*7000	*7000	*7000	7700	5300	4550	5100	3650	3200	3800	2700	2400	3300	2400	2100		
	Rear dozer down		*7000	*7000		*10 550	5250		*7700	3650		5550	2700		*3800	2400		
	Dozer and stabilizer down		*7000	*7000		*10 550	8100		*7700	5350		5600	3950		*3800	3450		
	2 sets of stabilizers down	*7000	*7000	*7000	*10 550	*10 550	9500	*7700	*7700	6200	*6100	5750	4550	*3800	*3800	*3800		
Wide rear dozer up		*7000	*7000		5350	5050		3650	3500		2750	2600		2400	2300			
-1500 mm	Rear dozer up	*9800	9400	7800	7550	5150	4450	5000	3550	3100	3750	2650	2350	3550	2550	2250		
	Rear dozer down		*9800	9250		*10 350	5150		*7600	3550		5500	2650		*4500	2550		
	Dozer and stabilizer down		*9800	*9800		*10 350	7950		*7600	5250		5550	3900		*4500	3700		
	2 sets of stabilizers down	*9800	*9800	*9800	*10 350	*10 350	9350	*7600	*7600	6100	*5800	5700	4500	*4500	*4500	4250		
Wide rear dozer up		9450	8750		5200	4900		3550	3400		2700	2550		2550	2450			
-3000 mm	Rear dozer up	*12 900	9500	7850	7500	5150	4450	5000	3550	3100				4150	2950	2600		
	Rear dozer down		*12 900	9350		*9150	5150		*6750	3500					*5400	2950		
	Dozer and stabilizer down		*12 900	*12 900		*9150	7900		*6750	5250					*5400	4350		
	2 sets of stabilizers down	*12 900	*12 900	*12 900	*9150	*9150	*9150	*6750	*6750	6050				*5400	*5400	5000		
Wide rear dozer up		9550	8850		5200	4900		3550	3400					2950	2850			

\*Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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# M320F Wheeled Excavator Lift Charts

## Lift Capacities – One-Piece Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (4200 kg), heavy lift on.

Long Stick 2800 mm		 Load at maximum reach (stick nose/bucket pin)			 Load over front			 Load over rear			 Load over side			 Load point height			mm
		3000 mm		4500 mm			6000 mm			7500 mm							
																	
6000 mm	Rear dozer up							*5150	3900	3450				*3000	*3000	2650	
	Rear dozer down								*5150	3900					*3000	3000	
	Dozer and stabilizer down								*5150	*5150					*3000	*3000	
	2 sets of stabilizers down							*5150	*5150	*5150					*3000	*3000	
4500 mm	Wide rear dozer up								3950	3750					*3000	2850	
	Rear dozer up							5300	3800	3350	3700	2650	2300	*2900	2500	2150	
	Rear dozer down								*5700	3800			*4000	2650	*2900	2500	
	Dozer and stabilizer down								*5700	5550			*4000	3850	*2900	*2900	
3000 mm	2 sets of stabilizers down							*5700	*5700	*5700	*4000	*4000	*2900	*2900	*2900	*2900	
	Wide rear dozer up								3800	3650			2650	2500		2400	
	Rear dozer up				7950	5550	4800	5100	3600	3150	3600	2550	2250	*2950	2250	1950	
	Rear dozer down					*8250	5500		*6400	3600			5400	2550	*2950	2250	
1500 mm	Dozer and stabilizer down					*8250	*8250		*6400	5350			5450	3800	*2950	*2950	
	2 sets of stabilizers down				*8250	*8250	*8250	*6400	*6400	6150	*545	*5450	4350	*2950	*2950	*2950	
	Wide rear dozer up					5550	5250		3650	3450			2550	2450		2150	
	Rear dozer up				7450	5100	4400	4900	3400	2950	3500	2450	2150	3050	2150	1850	
0 mm	Rear dozer down					*9700	5100		*7050	3400			5250	2450	*3150	2150	
	Dozer and stabilizer down					*9700	7850		*7050	5100			5300	3700	*3150	*3150	
	2 sets of stabilizers down				*9700	*9700	9250	*7050	*7050	5950	*5700	5450	4250	*3150	*3150	*3150	
	Wide rear dozer up					5150	4850		3450	3250			2450	2350		2050	
-1500 mm	Rear dozer up				7200	4850	4150	4700	3250	2800	3450	2400	2050	3150	2150	1900	
	Rear dozer down					*10 200	4850		7350	3250			5200	2400	*3500	2200	
	Dozer and stabilizer down					*10 200	7600		7350	4950			5250	3600	*3500	3300	
	2 sets of stabilizers down				*10 200	*10 200	8950	*7400	*7400	5750	*5750	5350	4150	*3500	*3500	*3500	
-3000 mm	Wide rear dozer up					4900	4600		3300	3100			2400	2300		2100	
	Rear dozer up	*8900	*8900	7400	7100	4800	4050	4650	3200	2750				3400	2350	2050	
	Rear dozer down		*8900	8850		*9800	4750		*7200	3200					*4200	2350	
	Dozer and stabilizer down		*8900	*8900		*9800	7500		*7200	4900					*4200	3600	
-4500 mm	2 sets of stabilizers down	*8900	*8900	*8900	*9800	*9800	8900	*7200	*7200	5700				*4200	*4200	4150	
	Wide rear dozer up		*8900	8350		4800	4550		3200	3050					2400	2250	
	Rear dozer up	*11 700	9150	7550	7150	4850	4100	4700	3250	2800				4150	2850	2500	
	Rear dozer down		*11 700	9000		*8450	4800		*6100	3200					*5150	2850	
-4500 mm	Dozer and stabilizer down		*11 700	*11 700		*8450	7550		*6100	4900					*5150	4350	
	2 sets of stabilizers down	*11 700	*11 700	*11 700	*8450	*8450	*8450	*6100	*6100	5750				*5150	*5150	5000	
	Wide rear dozer up		9200	8500		4850	4600		3250	3100					2850	2750	
	Rear dozer up				*5500	5000	4300								*4500	4250	3650
-4500 mm	Rear dozer down					*5500	5000								*4500	4250	
	Dozer and stabilizer down					*5500	*5500								*4500	*4500	
	2 sets of stabilizers down				*5500	*5500	*5500								*4500	*4500	
	Wide rear dozer up					5050	4750								4250	4050	

\*Limited by hydraulic rather than tipping load.

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