SPEC SHEET

BTE-M318

Mobility, power and performance

BALLAST TOOLS™ BTE EQUIPMENT

The BTE-M318 Wheeled Hi-Rail Excavator helps you get the job done more efficiently. With high-durability tires and a travel speed of up to 25 mph on the rail, it is the perfect solution for tackling jobs that require quick mobilization in challenging conditions.

32.4-FT REACH

25 MPH ON TRACK

174 HP

MACHINE AT-A-GLANCE

Engine Power	174	hp	129.7	kW
Max On-Track Speed	25	mph	40	kph
Reach (at ground level)	32.4	ft	9.9	m
Weight	48,000	lb	21,772	kg
Width x Height	8.3 x 12	ft	2.5 x 3.6	m
Swing Radius	Conventional			
Rototilt	R6 high flow			
Power Class	12 ft undercutter with 2-inch bi-directional chain			

Other Features:

- Solid axle, cab controlled hi-rail
- R6 high flow Rototilt
- Extendable outriggers
- BE PLC and attachment recognition ID
- Insulated axles (optional)

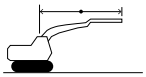
COMPARE MODELS

Scan the QR code to see how the BTE-M318 compares to our other excavators

LOAD CHARTS/LIFT CAPACITIES

*Please note, values do not account for the weight of the Rototilt.

Load point height



Load at maximum reach (sticknose/bucket pin)

Load over front

Load over side

Load over rear

On Rail*

LPH		3.0 m/10.0 ft		4.5 m/15.0 ft		6 m/20.0 ft		7.5 m/25.0 ft	
6.0 m	kg					*3,925	2,050		
(20.0 ft)	lb					*(8,650)	(4,550)		
6.0 m Super Elevated	kg						1,700		
(20.0 ft Super Elevated)	lb						(3,750)		
4.5 m	kg					*4,250	1,925		
(15.0 ft)	lb					*(9,400)	(4,200)		
4.5 m Super Elevated	kg						1,750		
(15.0 ft Super Elevated)	lb						(3,850)		
3.0 m	kg	*9,125	5,450	*5,875	3,100	*4,650	1,825	*3,825	1,100
(10.0 ft)	lb	*(20,100)	(1,200)	*(13,000)	(6,850)	*(10,250)	(4,000)	*(8,450)	(2,400)
3.0 m Super Elevated	kg				2,650		1,600		925
(10.0 ft Super Elevated)	lb				(5,850)		(3,550)		(2,050)

"Lift Capacities – One Piece Boom "Spec", "Spec" Stick." All lifts are done from the tires with the outriggers up.

Off Rail*

LPH		3.0 m/10.0 ft			4.5 m/15.0 ft			6 m/20.0 ft			7.5 m/25.0 ft			Load at maximum reach (sticknose/bucket pin)			
25 ft	Front parallel dozer—rear stabilizer—lowered													*6,400	*6,400	*6,400	17.88
	Front stabilizer—rear stabilizer—lowered													*6,400	*6,400	*6,400	
20 ft	Front parallel dozer—rear stabilizer—lowered							*8,800	*8,800	*8,800				*5,600	*5,600	*5,600	22.24
	Front stabilizer—rear stabilizer—lowered							*8,800	*8,800	*8,800				*5,600	*5,600	*5,600	
15 ft	Front parallel dozer—rear stabilizer—lowered							*10,700	*10,700	*10,700				*5,400	*5,400	*5,400	24.84
	Front stabilizer—rear stabilizer—lowered							*10,700	*10,700	*10,700				*5,400	*5,400	*5,400	
10 ft	Front parallel dozer—rear stabilizer—lowered	*25,000	*25,000	*25,000	*16,300	*16,300	*16,300	*12,700	*12,700	10,800	*8,600	*8,600	7,600	*5,400	*5,400	*5,400	26.21
	Front stabilizer—rear stabilizer—lowered	*25,000	*25,000	*25,000	*16,300	*16,300	*16,300	*12,700	*12,700	*12,700	*8,600	*8,600	*8,600	*5,400	*5,400	*5,400	
5 ft	Front parallel dozer—rear stabilizer—lowered				*18,500	*18,500	16,000	*13,500	*13,500	10,400	*10,400	*10,400	7,500	*5,700	*5,700	*5,700	
	Front stabilizer—rear stabilizer—lowered				*18,500	*18,500	*18,500	*13,500	*13,500	12,400	*10,400	*10,400	8,900	*5,700	*5,700	*5,700	
0 ft	Front parallel dozer—rear stabilizer—lowered	*10,900	*10,900	*10,900	*18,800	*18,800	15,400	*13,600	*13,600	10,100	*10,100	*10,100	7,300	*6,400	*6,400	*6,400	25.89
	Front stabilizer—rear stabilizer—lowered	*10,900	*10,900	*10,900	*18,800	*18,800	18,700	*13,600	*13,600	12,100	*10,100	*10,100	8,700	*6,400	*6,400	*6,400	
-5 ft	Front parallel dozer—rear stabilizer—lowered	*17,600	*17,600	*17,600	*17,100	*17,100	15,100	*12,400	*12,400	9,000				*7,600	*7,600	*7,600	24.11
	Front stabilizer—rear stabilizer—lowered	*17,600	*17,600	*17,600	*17,100	*17,100	*17,100	*12,400	*12,400	11,900				*7,600	*7,600	*7,600	
-10 ft	Front parallel dozer—rear stabilizer—lowered	*17,800	*17,800	*17,800	*13,200	*13,200	*13,200	*9,000	*9,000	*9,000				*7,800	*7,800	*7,800	21.03
	Front stabilizer—rear stabilizer—lowered	*17,800	*17,800	*17,800	*13,200	*13,200	*13,200	*9,000	*9,000	*9,000				*7,800	*7,800	*7,800	
-15 ft	Front parallel dozer—rear stabilizer—lowered				*5,500	*5,500	*5,500										25.89
	Front stabilizer—rear stabilizer—lowered				*5,500	*5,500	*5,500										

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load and do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. All values are in lb with a 9,260 lb counterweight, no work tool, bucket cylinder and bucket linkage installed. Heavy lift function on.

COMPATIBLE ATTACHMENTS

Undercutter

Cribber

Tamper - 2-Motor

Tamper - 4-Motor

Concrete Tie Unloader

Tie Talon

Tube Talon

Tie Grapple

Tie Shear

Tower Shear

Cold Air Blower

Mulcher

Culvert Cleaner

Buckets

Contact your sales representative or visit our website to get started.

636.937.0505 OR SALES@BTEQUIP.COM

*All values are approximate and will change. For specific and the latest engineering machine data, please contact BTE directly.

BTE EQUIPMENT

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