SPEC SHEET

BTE-308

Compact size, maximum efficiency

BALLAST TOOLS™ BTE EQUIPMENT

The BTE-308 Hi-Rail Mini Excavator is the ideal solution for bridge and tie work. Its lightweight and compact design enhances mobility across work sites, ensuring efficient task completion. Despite its size, the BTE-308 delivers robust power for tackling heavy duty tasks such as changing ties, tamping and ditching with ease.

TWO-WHEEL DRIVE SYSTEM

DEF-FREE OPERATION

69.5 HP

MACHINE AT-A-GLANCE

Engine Power	69.5	hp	51.8	kW
Max On-Track Speed	25	mph	40	kph
Reach (at ground level)	26.5	ft	8.1	m
Weight	26,000	lb	11,793	kg
Width x Height	7.5 x 9.2	ft	2.3 x 2.8	m
Swing Radius	Reduced/Compact			
Rototilt	R4 high flow			

Other Features:

- Rototilt 360° rotation and tilt attachment coupler
- Two-speed drive motor for travel and towing
- 16” extended-life hi-rail wheels
- Heavy-duty hi-rail axles and bearings
- Widened undercarriage to straddle rail
- Quick tow mode drive disconnects
- Joysticks for multi-function control
- Crawler track mobility for power and stability
- Optional BTE Bridge Tie Configuration maximizes productivity and safety
- Insulated axles (optional)
- Diesel Exhaust Fluid (DEF) Free

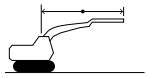
COMPARE MODELS

Scan the QR code to see how the BTE-308 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

On Rail*

LPH		2000 mm/ (79 in)		3000 mm/ (118 in)		4000 mm/ (157 in)		5000 mm / (197 in)	
5,000 mm	kg								
(197 in)	lb								
5,000 mm Super Elevated	kg								
(197 in Super Elevated)	lb								
4,000 mm	kg					*1,950		*1,650	1,050
(157 in)	lb					*(4,300)		*(3,650)	(2,350)
4,000 mm Super Elevated	kg						1,275		875
(157 in Super Elevated)	lb						(2,850)		(1,950)
3,000 mm	kg					*2,250	1,600	*1,875	1,015
(118 in)	lb					*(4,950)	(3,550)	*(4,100)	(2,200)
3,000 mm Super Elevated	kg						1,275		850
(118 in Super Elevated)	lb						(2,80)		(1,850)
2,000 mm	kg			*4,125	2,250	*3,075	1,450	*2,200	925
(79 in)	lb			*(9,100)	(5,000)	*(6,750)	(3,200)	*(4,850)	(2,050)
2,000 mm Super Elevated	kg				1,875		1,250		775
(79 in Super Elevated)	lb				(4,150)		(2,750)		(1,700)

"Lift Capacities – One Piece Boom "Spec", "Spec" Stick"

Off Rail*

LPH / LIFT POINT HEIGHT			LIFT POINT RADIUS 3M (9.8 FT)			LIFT POINT RADIUS 4.5 (14.8 FT)			LIFT POINT RADIUS (MAXIMUM)			m (ft)
			BLADE DOWN	BLADE UP		BLADE DOWN	BLADE UP		BLADE DOWN	BLADE UP		
20 ft 4.5 m	Standard Stick	kg				*2,445	2,090	1,820	*2,195	1,675	1,460	5.13 (16.8)
		(lb)				(*5,391)	(4,608)	(4,013)	(*4,840)	(3,693)	(3,219)	
	Long Stick	kg							*1,625	1,395	1,215	5.74 (18.8)
		(lb)							(*3,583)	(3,076)	(2,679)	
20 ft 4.5 m	Standard Stick	kg				*2,770	2,025	1,760	*2,130	1,315	1,145	5.90 (19.4)
		(lb)				(*6,108)	(4,465)	(3,881)	(*4,697)	(2,900)	(2,525)	
	Long Stick	kg				*2,400	2,045	1,775	*1,585	1,135	990	6.42 (21.1)
		(lb)				(*5,292)	(4,509)	(3,914)	(*3,495)	(2,503)	(2,183)	
20 ft 4.5 m	Standard Stick	kg				*3,345	1,905	1,645	*2,305	1,205	1,050	6.13 (20.1)
		(lb)				(*7,376)	(4,201)	(3,627)	(*5,083)	(2,657)	(2,315)	
	Long Stick	kg				*3,080	1,820	1,640	*1,695	1,050	910	6.63 (21.8)
		(lb)				(*6,791)	(4,013)	(3,616)	(*3,737)	(2,315)	(2,007)	
20 ft 4.5 m	Standard Stick	kg	*3,750	*3,750	2,795	*3,535	1,905	1,565	*2,365	1,250	1,080	5.89 (19.3)
		(lb)	(*8,269)	(*8,269)	(6,163)	(*7,795)	(4,201)	(3,451)	(*5,215)	(2,756)	(2,381)	
	Long Stick	kg	*3,845	*3,845	2,745	*3,480	1,790	1,535	*1,990	1,075	930	6.42 (21.1)
		(lb)	(*8,478)	(*8,478)	(6,053)	(*7,673)	(3,947)	(3,385)	(*44,388)	(2,370)	(2,051)	

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. Maximum Weight includes steel tracks with pads, cab, operator, full fuel tank, counterweight and no bucket. Heavy lift function on.

COMPATIBLE ATTACHMENTS

Mini Culvert Cleaner

Tamper - 2-Motor

Tie Talon

Parallel Tie Talon

Tube Talon

Tie Grapple

Tie Shear

Cold Air Blower

Mulcher

Track Jack

Magnet

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.

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