SPEC SHEET

BTE-325

High-performance lifting and maneuverability

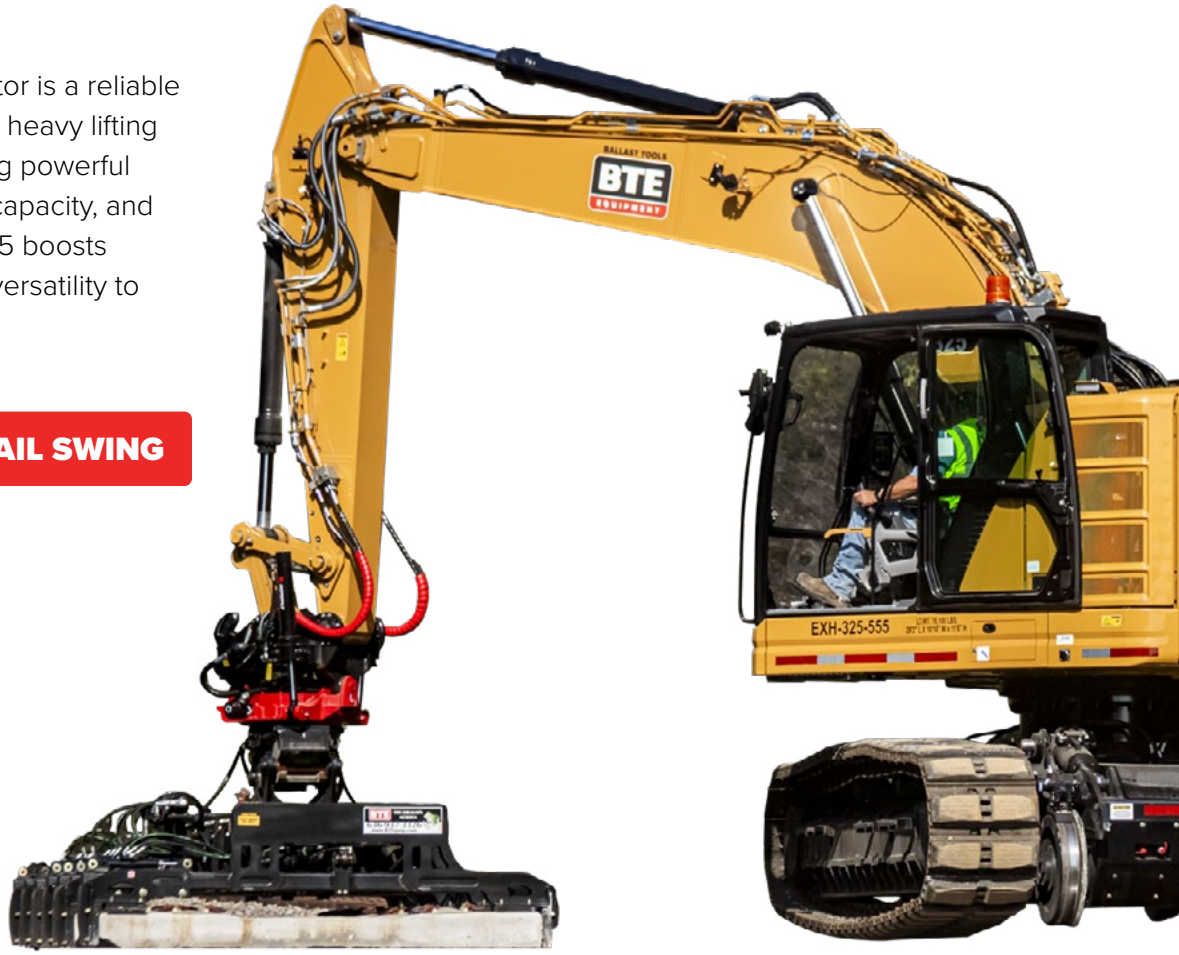
BALLAST TOOLS™ BTE EQUIPMENT

The BTE-325 Hi-Rail Excavator is a reliable solution for jobs that require heavy lifting in compact areas. Combining powerful performance, increased lift capacity, and maneuverability, the BTE-325 boosts production while providing versatility to quickly move on and off-rail.

REDUCED RADIUS TAIL SWING

35-FT REACH

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)	34.8	ft	10.6	m
Weight	78,100	lb	35,426	kg
Width x Height	10.6 x 11.5	ft	3.2 x 3.5	m
Swing Radius	Reduced/Compact			
Rototilt	R8 high flow			
Power Class	12 ft undercutter with 2-inch bi-directional chain			

Other Features:

- Rototilt 360° rotation and tilt attachment coupler
- Two-speed drive motors for travel and towing
- 24” extended-life hi-rail wheels
- Chain drive, solid axle, heavy duty bearings
- Widened undercarriage to straddle rail
- Hi-rail wheels retract for greater ground clearance
- Quick tow mode drive disconnects
- Joysticks for multi-function control
- Crawler track mobility for power and stability
- Insulated axles (optional)

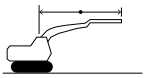
COMPARE MODELS

Scan the QR code to see how the BTE-325 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		3.0 m/10.0 ft		4.5 m/15.0 ft		6 m/20.0 ft		7.5 m/25.0 ft	
7.5 m	kg			*6,150	*6,125	*5,150	4,050		
(25.0 ft)	lb			*(13,550)	*(13,500)	*(11,350)	(8,900)		
7.5 m Super Elevated	kg				4,775		3,275		
(25.0 ft Super Elevated)	lb				(10,550)		(7,200)		
6.0 m	kg			*6,325	*6,425	*6,050	3,925		
(20.0 ft)	lb			*(13,950)	*(14,150)	*(13,300)	(8,650)		
6.0 m Super Elevated	kg				4,850		3,125		
(20.0 ft Super Elevated)	lb				(10,700)		(6,900)		
4.5 m	kg	*10,350	*10,275	*8,275	5,800	*6,825	3,600	*5,750	2,400
(15.0 ft)	lb	*(22,850)	*(22,650)	*(18,250)	(12,800)	*(15,050)	(7,900)	*(12,700)	(5,330)
4.5 m Super Elevated	kg		*8,775		4,725		2,975		2,975
(15.0 ft Super Elevated)	lb		*(19,300)		(10,450)		(6,600)		(6,600)
3.0 m	lb			*10,125	5,125	*7,550	3,375	*6,525	2,225
(10.0 ft)	lb			*(22,350)	(11,300)	*(16,650)	(7,400)	*(14,400)	(4,900)
3.0 m Super Elevated	lb				4,125		2,675		1,750
(10.0 ft Super Elevated)	lb				(9,100)		(5,900)		(3,900)

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

Off Rail*

LPH		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6 m/20.0 ft		7.5 m/25.0 ft				
														m ft
9.0 m	kg											*5,000	*5,000	**4.50**
30.0 ft	lb											*11,350	*11,350	**14.17**
7.5 m	kg					*6,200	*6,200	*5,350	*5,350			*4,200	*4,200	**6.28**
25.0 ft	lb					*13,650	*13,650	*10,150	*10,150			*9,350	*9,350	**20.83**
6.0 m	kg					*6,650	*6,650	*6,400	*6,400			*3,950	*3,950	**7.35**
20.0 ft	lb					*14,500	*14,500	*14,050	*14,050			*8,700	*8,700	**24.17**
4.5 m	kg			*10,650	*10,650	*8,150	*8,150	*7,050	6,400	*6,300	4,600	*3,900	*3,900	**8.00**
15.0 ft	lb			*22,700	*22,700	*17,600	*17,600	*15,300	13,750	*12,700	9,850	*8,550	*8,550	**26.67**
3.0 m	kg					*10,250	9,250	*8,000	6,150	*6,900	4,500	*4,000	3,850	**8.33**
10.0 ft	lb					*22,100	19,950	*17,350	13,250	15,000	9,600	*8,800	8,450	**27.50**
1.5 m	kg					*12,050	8,800	*8,900	5,900	6,850	4,350	*4,250	3,750	**8.39**
5.0 ft	lb					*26,050	18,950	*19,300	12,750	14,750	9,400	*9,350	8,200	**27.50**
0 m	kg			*7,450	*7,450	*12,850	8,550	9,300	5,750	6,750	4,300	*4,750	3,850	**8.17**
0 ft	lb			*17,000	*17,000	*27,800	18,400	20,050	12,400	14,550	9,200	*10,450	8,450	**27.50**
-1.5 m	kg	*7,750	*7,750	*12,400	*12,400	*12,600	8,450	9,250	5,700	6,750	4,250	*5,650	4,150	**7.65**
-5.0 ft	lb	*17,300	*17,300	*28,100	*28,100	*27,350	18,250	19,900	12,250	*12,700	9,200	*12,400	9,200	**25.00**
-3.0 m	kg	*12,900	*12,900	*15,750	*15,750	*11,400	8,550	*8,450	5,750			*7,100	4,950	**6.76**
-10.0 ft	lb	*28,950	*28,950	*34,150	*34,150	*24,600	18,400	*18,150	12,400			*15,650	10,950	**22.50**
-4.5 m	kg			*11,800	*11,800	*8,600	*8,600					*6,850	*6,850	**5.32**
-15.0 ft	lb			*25,100	*25,100	*18,100	*18,100					*14,950	*14,950	**17.50**

**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 18,300 lb counterweight, pads, cab, operator, full fuel tank and no bucket. Heavy lift function on.*

COMPATIBLE ATTACHMENTS

Undercutter

Cribber

Tamper - 2/4-Motor

Tie Dragon

Concrete Tie Unloader

Tie Talon

Tie Grapple

Tube Talon

Panel Lifter

Rail Threader

Tower Shear

Tie 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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