SPEC SHEET

BTE-420 XE

Maximum reliability and productivity

BALLAST TOOLS™ BTE EQUIPMENT

The BTE-420 XE Hi-Rail Backhoe is a dependable solution for spot track maintenance. Its weight and size, paired with a three-foot extendable backhoe E-Stick, make it easy to mobilize to get the job done. Its innovative cab-operated hi-rail system ensures seamless operation on and off the rail, with a pivoting front axle for enhanced stability. Achieve maximum productivity with its accompanying Rototilt that allows precise control of attachments and a hydraulic hose reel to power track-side hand tools.

110 HP

19,500 LBS

23.6-FT REACH

25 MPH ON TRACK

MACHINE AT-A-GLANCE

Engine Power	110	hp	82	kW
On-Track Speed	25	mph	40	kph
Reach (at ground level)	23.6	ft	7.2	m
Weight	19,500	lb	8,850	kg
Width x Height	8.4 x 12	ft	2.6 x 3.7	m
Power Perspective	Runs cold air blower			
Rototilt	R4 high flow			

FEATURES

- Rototilt 360° rotation and tilt attachment coupler
- Three-foot extendable backhoe E-Stick
- 50’ hose reel to power 5 or 10 gpm hyrdraulic hand tools
- Frame-mounted pivoting front axle
- Extended outrigger pads for additional stability on rail
- Hydraulic prioritiy valve for better attachment performance
- Insulated shunt-able rail wheels

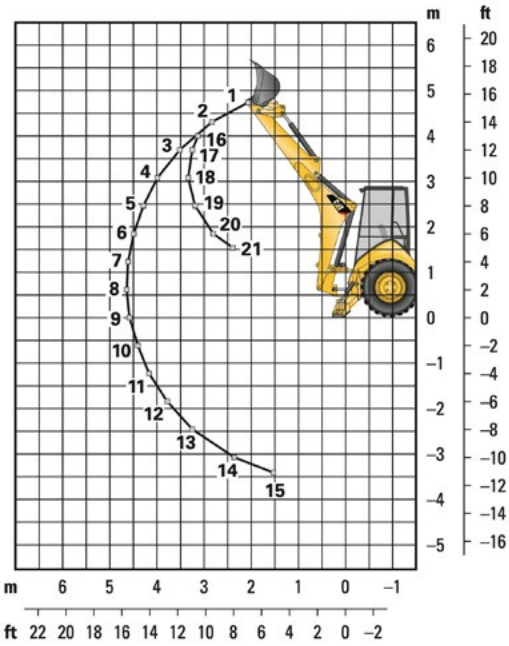
COMPARE MODELS

Scan the QR code to see how the BTE-420 XE compares to our other hi-rail machines.

LOAD CHARTS/LIFT CAPACITIES

Backhoe Lift Capacity: CAT 420 XE Standard Stick

Boom Lifting	kg	lb
1	1,842	4,060
2	2,009	4,429
3	2,008	4,427
4	1,951	4,301
5	1,880	4,145
6	1,808	3,986
7	1,739	3,833
8	1,673	3,689
9	1,613	3,556
10	1,558	3,435
11	1,509	3,327
12	1,468	3,237
13	1,441	3,176
14	1,455	3,208
15	1,590	3,506
Stick Lifting	**kg**	**lb**
16	2,170	4,785
17	2,642	5,823
18	2,933	6,465
19	3,069	6,767
20	3,626	7,994
21	4,441	9,790



Loader Bucket Dimensions and Performance

	Single Tilt Loader with Pin-On Buckets					
	0.96 m³ (1.25 yd³) GP	1.0 m³ (1.31 yd³) GP	1.07 m³ (1.40 yd³) GP	1.15 m³ (1.50 yd³) GP	1.0 m³ (1.31 yd³) MP	1.07 m³ (1.40 yd³) MP
Lift Capacity at Maximum Height	3,280 kg (7,230 lb)	3,286 kg (7,245 lb)	3,213 kg (7,084 lb)	3,192 kg (7,038 lb)	3,059 kg (6,745 lb)	3,047 kg (6,717 lb)

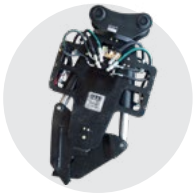
**Lift capacities are over-end values calculated according to SAE J31. Values are 87% of the maximum lift force available. Machine equipped with AWD, OROPS, 0.96 m3 (1.25 yd3) general purpose bucket and 240 kg (530 lb) counterweight. Extendible stick includes 460 kg (1,015 lb) counterweight.*

COMPATIBLE ATTACHMENTS

Tamper - 2 Motor

Tie Talon

Tube Talon



Tie Shear

Cold Air Blower

Power Grip Bucket

Cribbing Bucket

Ditching Bucket

Digging Bucket

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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