

VOLVO BM

loader 641 with sugar-cane attachments



The Volvo BM 641 sugar-cane loader is designed for high capacity and features a high-torque 80-hp Volvo BM diesel and 4-wheel drive with large wheels for minimum ground pressure and maximum tractive and floatation power. It loads high and fast both right and left with outstanding stability owing to the Volvo BM Stablematic system. The adjustable crane boom affords great flexibility in loading. Driver comfort is superior thanks to easy operation and a rubber-mounted cab ensuring a very low noise level. The pressurized cab is effectively dust-proofed. Built for operation round the clock — standard equipment includes 8 headlamps powered by a 700-W alternator.

The 641 sugar-cane loader offers unsurpassed versatility the year round owing to its Volvo BM snap-on coupling and wide range of attachments — excavating units, buckets, angletine forks, dozer blades, rotary brooms, grabs, etc.

Advantages include:

- Hydraulic system with standard components — simpler maintenance and servicing.
- High hydraulic power despite low hydraulic pressure — 1680 lbf/in² (120 kgf/cm²).
- Convenient operation — Torque Converter and Power-Shift transmission — eliminates clutch and shutdowns.
- 310 degree swing allows operator to pick up cane over a large area — automatic center- and 90 degree side stops cuts cycle time.
- Better compact load — knuckle boom allows grab to fit down in carrier.
- VOLVO BM Stablematic — automatic hydraulic stabilizer permits loading to both sides without extra counter weights.
- Heavy Duty Push-piler with four long prongs which lift the cane from the ground with adjustable width and parallel hydraulic floating position. This exclusive feature prevents earth, stones, etc. from becoming mixed up with the sugar cane and also reduces waste.
- Outstanding driver comfort — reduces operator fatigue — increases capacity.
- Possibility of using VOLVO BM attachments for cleaning and digging ditches.
- Several "optional extras" are included among the standard equipment and included in the basic price — ready to go.



**Specification for the VOLVO BM 641
Sugar-cane loader**

Sugar-cane crane

Crane, type	Volvo BM	
Length of crane boom incl. adjustable extension	18 ft 2 in	(5.6 m)
Max clearance under grab at a reach of 10 ft 2 in (3.1 m)	20 ft 4 in	(6.2 m)
Lift capacity	43 000 lbf ft	(6 000 kgf m)
Swing angle, crane boom, right-hand side	120°	
Swing angle, crane boom, left-hand side	190°	
Swing angle, crane boom, total	280°	
Cycle times — 2 200 lb (1 000 kg) load, including push-piling, when loading onto vehicles with a height of:		
	6 ft 6 in (2 m)	approx. 20 s
	10 ft (3 m)	approx. 25 s
	13 ft (4 m)	approx. 30 s

Grab

Grip area	10 ³ / ₄ ft ²	(1 m ²)
Grab opening	6 ft 10 in	(2.1 m)

Push-piler

Volvo BM Push-piler adjustable for different row spacing		
Width	4 ft 6 in — 6 ft	(1.4—1.8 m)
	7 ft 10 in	(2.4 m)

Cab ventilator

Pressurizing cab ventilator with two two-speed fans, air cleaners and 4 adjustable air intakes		
Capacity	543 ft ³ /min	15.5 m ³ /min)

Tires	Standard	Extra
Front	18.4—30/10	23.1—26/12
Rear	14.9—24/10	14.9—24/12



VOLVO BM Push-piler

The manufacturers reserves the right to change specifications without prior notice.

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