



SB-85 PT

CONVEYOR BELT MOVER

- **Net Horsepower**
238 kW (320 hp)
- **Max Lifting Capacity**
15300 kg (33,600 lb)
- **Operating Weight**
48500 kg (106,925 lb)



SB-85 PT

CONVEYOR BELT MOVER

- High stability and low ground pressure
- Modular power train components
- Superior traction
- Hydraulic or mechanical head



ENGINE

Make and model	CUMMINS KT-19C
Type	4-cycle diesel, turbocharged, direct start, direct injection
* Net Flywheel power @ 2100 rpm	238 kW (320 hp)
Maximum torque @ 1500 rpm	1530 Nm (1,128 lb ft)
Number of cylinders	6
Displacement	18.8 l (1,150 in ³)
Bore and stroke	159 x 159 mm (6.25" x 6.25")
Lubrication, full flow filtering w/bypass	full pressure
Number of main bearings	7
Electrical system	24V
Air cleaner	two stage, exhaust aspirated, dry type with service indicator

* Output of standard engine complete with fan, air cleaner, muffler, alternator, water pump, lubricating oil pump and fuel pump, per SAE J1349.

STEERING & BRAKING

Unique two speed geared steering module provides gradual turns while maintaining full power to both tracks plus conventional clutch-brake performance for tight or pivot turns. This type of steering system offers superior traction in all types of operations and terrain. Coupled to 3-speed transmission and torque converter provides 6 speeds forward and 6 reverse.

Complete steering module (incl. pinion and bevel gears) is removable as an assembly for superior serviceability.

Hand levers, hydraulically actuate, oil cooled, adjustment free, steering planetary gears, multiple disc clutches and brakes in one control for each track.

Pull back single lever to detent position for gradual turn or both levers for speed reduction. Pull lever slightly further to disengage steering clutches, fully back to brake.

Single foot pedal applies both brakes for parking or down-hill speed control. Brakes are spring applied and hydraulic released.

TRANSMISSION & TORQUE CONVERTER

Countershaft type power shift, hydraulically controlled and actuated. Single stage, single phase 16" (409 mm) modular torque converter with a stall ratio of 2.7:1. The three speed transmission combined with exclusive two speed steering provides 6 speeds forward and 6 reverse

FINAL DRIVES

Double-reduction with planetary final drive stage provides desired gear reduction at the sprocket. Three-piece bolt on sprocket distributes wear evenly over track bushings letting every tooth ride free one-half of the time to reduce wear. Sprockets are replaceable without removing track frames.

TRAVEL SPEEDS

High-low power shift in each transmission gear.

Gear	Range	Forward		Reverse	
		km/h	(mph)	km/h	(mph)
1st	low	2.8	(1.7)	3.4	(2.1)
	high	3.7	(2.3)	4.5	(2.8)
2nd	low	4.8	(2.9)	5.8	(3.6)
	high	5.8	(3.6)	7.0	(4.3)
3rd	low	7.1	(4.3)	8.6	(5.3)
	high	9.3	(5.7)	11.3	(7.0)

TRACK FRAME

Non-oscillating type, all-welded heavy box section track frame.

Track rollers, each side

Top idlers, each side

Front idlers (drum type), each side

All rollers and idlers lifespan lubricated

SERVICE CAPACITIES

	Liter	(US gal)
Fuel tank	643	(170)
Cooling system	86	(22.7)
Engine lubrication, incl. filters	52	(13.75)
Transmission and rear frame	300	(79)
Sprocket drive, each side	38.8	(10.25)
Hydraulic oil tank	280	(73.70)

TRACKS

The split master link reduces chain removal and installation time.

Track shoe width, standard

Track shoes each side

Ground contact area w/std shoes

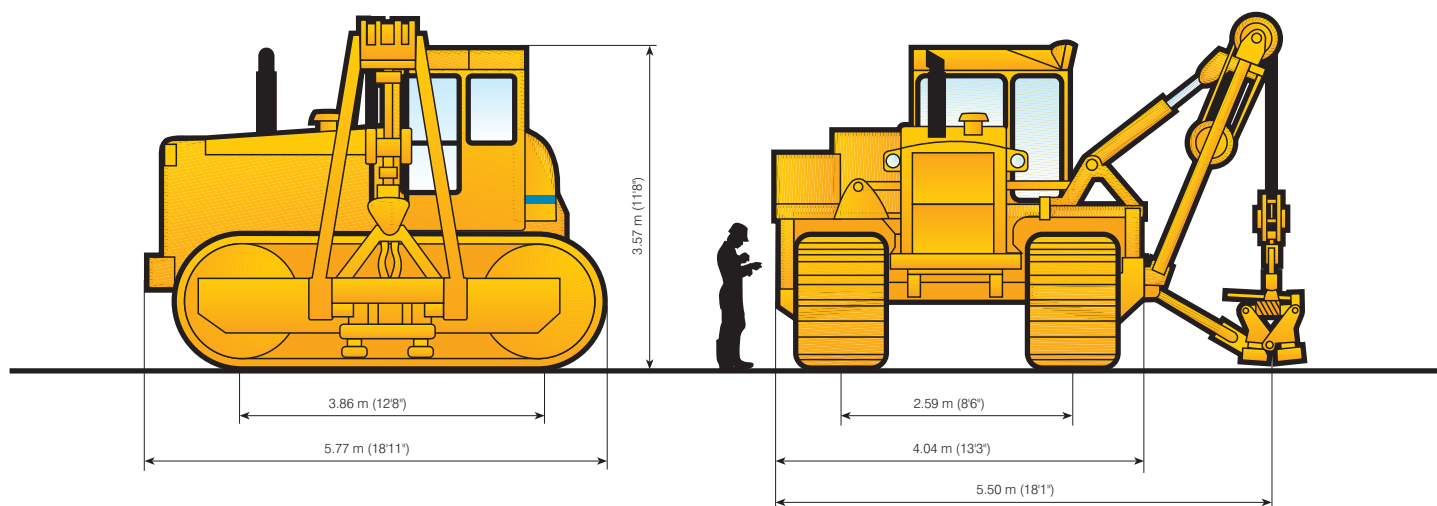
Grouser height

Track adjustment

Ground clearance

Rigid drawbar – approx. height ground to

centerline of 3.75" (95 mm) clevis



VERTICAL DIMENSIONS INCLUDE 76 mm (3") GROUSER HEIGHT

The moving equipment has been designed to shift belt conveyors of belt width up to 2500 mm as well as railway tracks. It's equipped with a hydraulic or mechanical head for working with rails S49, S60 and P65. This highly specialized machine is ideal for confined areas and tough operating conditions.

WEIGHTS

	kg	(lb)
Approximate weight with cab.....	40000	(88,185)
Moving equipment	8000	(17,637)
Total shipping weight.....	48000	(105,822)

OVERALL DIMENSIONS

Max. width with moving equipment	
– high position	4.65 m (15'3")
– low position	6.35 m (20'10")
Shipping width w/o moving equipment	4.04 m (13'3")
Overall length	5.77 m (18'11")
Height with cab	3.57 m (11'8")
Height with moving equipment:	
– high position	4.30 m (14'1")
– low position	3.60 m (11'10")
Track on ground	3.86 m (12'7")

MOVING EQUIPMENT

Max. lifting capacity	15300 kg (33,600 lb)
Type	Closed box fabricated "A" frame
Hoisting	full hydraulic
Range of hoisting	-370 to +1050 mm (-14.6" to +41.3")
Max. moving speed	9 km/h (5.5 mph)
Max. moving range	1.50 m (4'11")



SB-85 PT

CONVEYOR BELT MOVER



STANDARD EQUIPMENT

- | | |
|--|--|
| <ul style="list-style-type: none"> • Air cleaner, dry type w/exhaust aspirated primary and safety elements and service indicator • Alternator, 50 A • Antifreeze, -37°C (-34°F) • Batteries, (4) 12 V, maintenance free • Belt conveyor shifter equipment complete, with hydraulic or mechanical head • Bumper front • Cab, isolation mounted, full vision, enclosed type with safety glasses and lockable door, dome light, door window wiper, emergency exit window and heater/pressurizer/defroster • Coolant filter conditioner • Counterweight, fixed • Decelerator, foot operated • Drawbar, fixed • Exhaust pipe extension • Fan, reversible pitch • Filters, oil, full flow and by-pass with replaceable elements • Filters, hydraulic and fuel system, transmission • Fuel strainer • Guards: crankcase, fan, radiator, transmission • Heat exchanger, engine oil | <ul style="list-style-type: none"> • Horn, electric • Hourmeter, electric • Instrument panel light • Instruments, grouped in resilient - mounted panel • Lights w/guards, 2 front on tractor, 1 rear • Muffler • Radiator, isolation mounted • Seat, suspension type with arm rests, 90° rotating pod • Starting, 24 V • Steering, planetary type, 2 speed • Tool box • Torque converter, single stage • Track adjusters, hydraulic • Track chain guides, integral • Track chain sealed with split master link, 45 links • Track frames, 8 roller, 2591 mm (102") gauge, non-oscillating type, lifespan lubricated rollers & idlers • Track shoes, 864 mm (34"), severe service • Transmission, power shift, 3 speeds forward, 3 reverse combined with 2 speed steering provides 6 speeds forward, 6 reverse • Water separator, fuel system |
|--|--|

OPTIONAL ATTACHMENTS

- | | |
|--|--|
| <ul style="list-style-type: none"> • Air conditioner (roof mounted) • Alarm, back-up • Batteries (6), cold start • Ether starting • Guards: track roller, sprocket dirt/rock deflector • Heater/pressurizer/defroster (cab side wall mounted) • Lights, 2 rear, cab mounted | <ul style="list-style-type: none"> • Lubricated track system • Mirror and sunshield • Mirrors RH and LH • Tools 17 items in metal box • Track shoes 1016 mm (40"), clipped corner, severe service • Vandalism protection |
|--|--|

Specifications subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment.

DRESSTA Co.Ltd.
A JOINT VENTURE OF KOMATSU AMERICA INTERNATIONAL CO. AND HUTA STALOWA WOLA SA
 Kwiatkowskiego 1, 37-450 Stalowa Wola, P O L A N D
 tel.48 15 843 5252, 843 4556 fax:48 15 844 4714, 872 0207
www.dressta.com.pl