



TUSKER

Tow Trucks (AC Drive)

(Capacity 8000 / 10000 Kg.)

- MOSFET stepless speed controller and heavy-duty contactors
- Towing capacity up to 10000 kg
- Pollution free and user friendly
- Easy and comfortable to ride.
- Effortless steering operation

The Jost's Electric Tow Truck is a Four-Wheel Battery Operated Material Handling Equipment used for towing load up to 8,000 /10,000 kg over long distances on asphalt or smooth concrete road. It is ideal for use in interplant transportation, factories, airports, railways and large processing plants. Jost's leads the way through its tough, dependable industrial towing trucks



OPERATOR AREA:

Ergonomically convenient operator's area provides operators comfort. All controls are located at easily accessible reach with ample leg room. Adjustable seat (optional) further enhances operator's comfort.

DRIVE & DRIVE CONTROL



Equipment is driven by an AC motor of suitable rating with class 'F' insulation powered by suitable battery capacity. Efficient power transmission is provided to rear wheels via noise free dual stage gear reduction unit and differential mechanism. Microprocessor based MOSFET controller enables smooth step less acceleration, variable speed control and precise inching movement. The controller comes with self-diagnostic feature which monitors the control system for fault diagnostic purposes. The controller also enables regenerative braking thereby increasing the battery utilisation period.



BRAKE

When the operator removes his foot from the acceleration pedal, automatic braking gets enabled by regenerative braking mechanism. Service braking is provided by self-adjusting brakes with heavy duty brake linings. Service braking is effected by hydraulic braking that is actuated by ergonomically located foot pedal. Parking brake is done through expandable shoes which is operated by the cable. This cable is connected to a hand operated lever which is located on left hand side of the operator.



TILLER HEAD & STEERING:

Hydrostatic power steering system with automotive tillable steering column enables virtually fatigue free operation while providing maneuvering in the confined area. The hydraulic steering unit controls the steering action hydraulically via steering cylinder that is mounted on the steer axle. The steering column is operated by 16" hand wheel provided with foam grip to ensure operator's comfort.



STEER AXLE

Articulating hydraulic steer axle of robust construction ensures accurate steering geometry and minimum tyre wear. It also ensures great maneuverability via sharp angle steering. It comprises of hardened steel bushing for the center pivot for prolonged trouble-free life. Integrated balanced, Hydraulic cylinder is located at the convenient accessible position for the easy maintenance of equipment



WHEELS

The truck is supplied with Solid cushion tyres as a standard for operating over a variety of surface. The Solid cushion tyres with split rim construction provides adequate resilience during operation. Solid rubber tyres or Non-marking tyres can also be supplied as an option on request.



CHASSIS

Chassis is fabricated from heavy steel plates to provide rigidity and strength. Battery compartment with cover is integrated with chassis and it supports the operator's seat without compromising on the accessibility of battery for routine maintenance. A hand lever operated self-return towing arrangement is provided at the rear of the truck which can be operated by the operator without dismantling from the seat. The chassis is adequately balanced for towing the specified loads without any problem. The canopy is made of hollow section for rigidity and protects the operator against the hazards of falling objects.



INSTRUMENTATION AND CONTROL

The hour meter and battery discharge indicators are provided as a standard on the front panel. The On-Off switch and forward reverse direction switch are located within easy reach.



ACCESSORIES

Head / tail / brake / side indicator lights, reverse light / horn, and rear view mirror are supplied as a standard. Revolving lights can also be supplied as an option



BATTERY & CHARGER

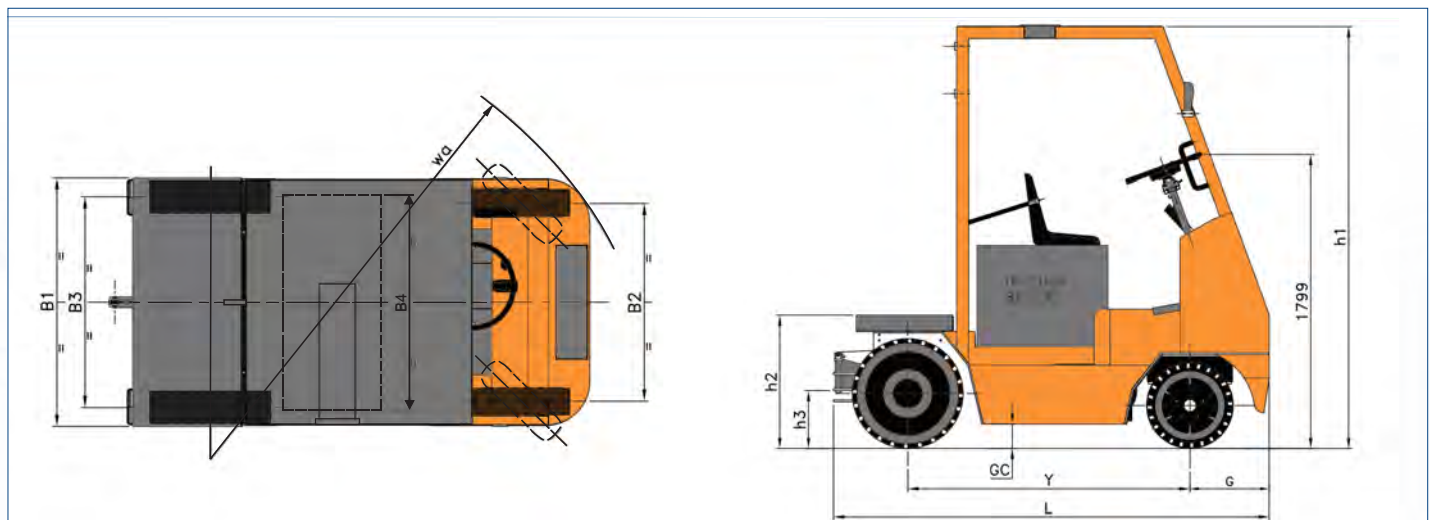
The vehicle is supplied with suitable traction battery with lead acid cells and adequate capacity rating as standard for non intensive application. Optional higher capacity rating batteries can also be provided for more intensive applications. Microprocessor based charger of suitable ratings can be supplied, depending on the battery selection.

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Performance Data

	Model	Nos.	JETW – 80	JETW – 100
Identification	Controller	type	AC	AC
	Operation	type	Seated	Seated
	Towing Capacity*	Kg	8000	10000
	Wheelbase	Y = mm	1425	1625
Weight	Service weight incl. battery (approx.)	Kg	1650	2050
	Battery weight (approx.)	Kg	650	990
Chassis	Tyres	type	Solid Cushion	Solid Cushion
	Tyre size, front	mm	Ø460 x 127W	Ø460 x 127W
	Tyre size, rear	mm	Ø580 x 172W	Ø580 x 172W
	Wheels, front / rear (x = driven wheels)	nos.	2 x 2	2 x 2
	Track width, front	B2 = mm	960	960
	Track width, rear	B3 = mm	975	975
Basic Dimension	Overall height	h1 = mm	2200	2200
	Overall length	L = mm	2250	2450
	Battery compartment width	B4 = mm	1000	1000
	Overall width	B1 = mm	1150	1150
	Ground clearance	GC = mm	120	120
	Turning radius	Wa = mm	2450	2650
	Platform size	PL x PW = mm	500 x 1150	500 x 1150
	Platform / Towing height	h2 / h3 = mm	700 / 300	700 / 300
	Front overhang	G = mm	450	450
Performance	Travel speed # :	Laden	Km / hr	7
		Unladen	Km / hr	10
	Gradient performance :	Laden	%	5
		Unladen	%	10
	Service brake (foot operated)	type	Hydraulic	Hydraulic
	Parking brake	type	Hand Operated	Hand Operated
Power	Drive motor rating S2 60 min.	Kw	8	12
	Battery voltage, nominal capacity	V / Ah	48 / 375	72 / 385
	Battery charger (3 Phase - Automatic)	V / A	48 / 50	72 / 55
Others	drive control	type	3Φ AC	3Φ AC
	Sound level	db (A)	85	85

Note: 1). * = Towing capacity includes trolley weight plus pay load weight., 2). # = Max. speed can be achieved with full battery charge.



For any special requirements, Please contact Jost's H.O., Dimensions indicated here are subject to variations of ± 20 mm and performance ± 10%. Service weight ± 50 kg. Right to make changes and technical improvement reserved.



Since 1907

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