

JUMBOLECTRIC TOW TRUCK

(Capacity 2000 / 3000 / 5000 Kg.)



- MOSFET stepless speed controller and heavy duty contactors
- Towing capacity up to 5000 kg
- Pollution free and user friendly
- Easy and comfortable to ride



The Jost's electric tow truck is a three wheel battery operated material handling equipment used for towing load up to 5000 kg over long distances on asphalt or smooth concrete road. It is ideal for use in inter-plant transportation, factories, airports, railways and large processing plants. Jost's leads the way with tough, dependable industrial towing trucks.

Operator Area : Comfortable seat with back rest ergonomically positioned over battery cover with easy reach to steering handle and optimum leg-space with suitable foot rest for operating the accelerator and brakes. The control switches on the panel are easily visible and accessible.

Drive and Transmission : The vehicle is driven by a Series / Sepex (optional) motor of suitable rating with class 'F' insulation and powered by suitable traction battery. A two stage self contained completely enclosed transmission gear unit coupled with motor shaft on one side and directly fitted on to the front wheel on the other side, transmits the power efficiently.

Drive Control : Microprocessor based MOSFET controller provides smooth and stepless control of speed and acceleration. The high life cycle contactors used in the controller circuit enhances dependability and productivity. Alternatively four step resistance control can also be provided as an option.

Control Panel : The control panel is provided with conveniently located simple controls such as ON - OFF key switch, forward and reverse switch, emergency power cut-off switch and battery discharge indicators (LED-type). Battery level indicator with hour meter display can also be supplied as an option.

Chassis : The chassis consist of robust welded steel frames. The tow truck has a small platform at the rear for keeping materials like tools etc. A separate trolley with roller bed can be supplied as an option for easy loading / unloading of batteries. A hand lever operated self return towing arrangement is provided at the rear of the truck which can be operated by the operator without dismounting from the seat. The chassis is adequately balanced for towing the specified loads without any problem.

Suspension : The standard model comes with front suspension made of helical coil springs which provides adequate cushion to shocks.

Steering : The direct mounted steering handle with low friction bearings ensure comfortable steering within narrow aisle. The steering can be operated in the range of 90° on the either side. The steering handle is wide enough for the operator to steer the vehicle with little effort.

Brakes : Internally expanding foot operated hydraulic brakes on rear wheels ensures smooth braking within adequate distance, without the collision of the towing trolley. Parking brake is actuated by hand operated lever on the left hand side of the operators seat. The truck comes to halt automatically with removal of foot from acceleration pedal. With Sepex motor, the regenerative function of the motor provides additional braking during above operation.

Wheels : Solid rubber moulded tyres are provided on both drive wheel as well as rear axle for operating over a variety of surface conditions. The steel rim bonded rubber provides adequate resilience. Solid cushion / Non-marking tyres can also be supplied as an option on customers request.

Accessories : The truck comes with head / tail / brake lights and horn as standard. The truck can also be provided with revolving / flashing lights, reverse buzzer, side indicators, canopy, battery roller bed, battery changing trolley as an option.

Safety : The parking brake enables vehicle to park on slopes without any kind of movement. The emergency power cut-off switch isolates the battery from the control panel to prevent any situation in emergency. Adequate braking distance prevents collisions of the trailing trollies at the time of braking. Safety accessories like revolving / flashing lights, reverse buzzer, side indicators, canopy can also be supplied with the truck as an option.

Servicing : The modular, service friendly design with easily removable front / top cover provides easy access to all components for servicing, thus saving valuable time during maintenance.

Battery : The vehicle is supplied with lead acid traction batteries of 30V / 289Ah for 2000 kg model, 36V / 299Ah for 3000 / 5000 kg model as standard. 36V / 330Ah and 36V / 464Ah batteries can be supplied as an option. The trucks can also be supplied with maintenance free batteries as an option.

Charger : The truck can be supplied with timer controlled semi-automatic charger of suitable rating as a standard. Alternatively electronically controlled automatic charger can also be supplied on request.

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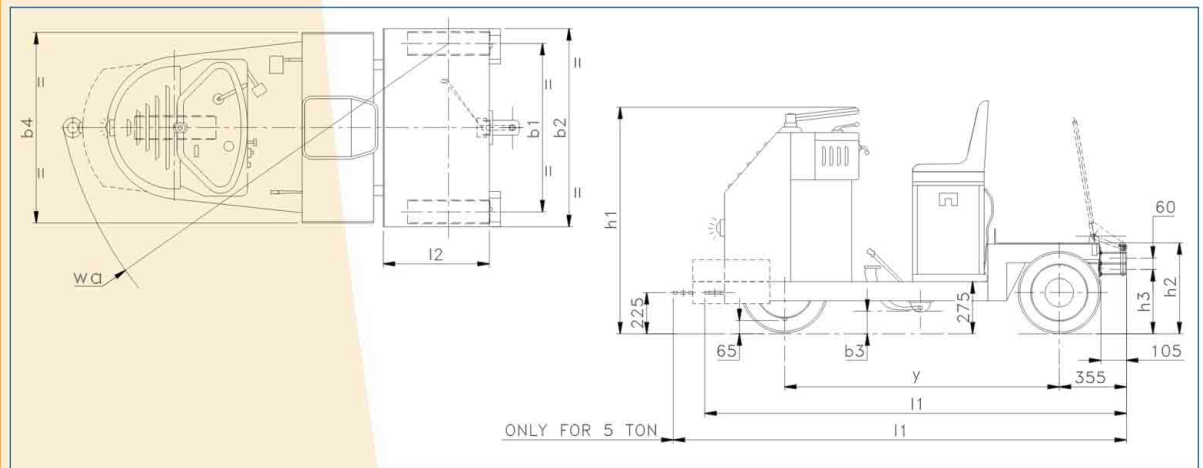
Performance Data

			Tow Truck with Platform			
Identification	Model		JETW – 20	JETW – 30	JETW – 50	
	Type of operation		Seated	Seated	Seated	
	Towing capacity *	Kg	2000	3000	5000	
	Wheelbase	y = mm	1320	1320	1450	
Weight	Service weight incl. battery (approx.)	Kg	800	925	1100	
	Battery weight (approx.)	Kg	350	450	450	
Chassis	Tyres		Solid Rubber	Solid Rubber	Solid Rubber	
	Tyre size, front	mm	Ø438 x 127	Ø438 x 127	Ø438 x 127	
	Tyre size, rear	mm	Ø438 x 127	Ø438 x 127	Ø438 x 127	
	Wheels, number front / rear (x = driven wheels)		1 x 2	1 x 2	1 x 2	
	Track width, rear	b1 = mm	850	850	850	
Basic Dimension	Overall height	h1 = mm	1170	1170	1170	
	Overall length	l1 = mm	2110	2110	2350	
	Battery compartment width	b4 = mm	865	945	945	
	Overall width	b2 = mm	1000	1000	1000	
	Ground clearance	b3 = mm	110	110	110	
	Turning radius	Wa = mm	1720	1720	1950	
	Platform size	l2 x b2 = mm	400 x 1000	400 x 1000	560 x 1000	
	Platform / Towing height	h2 / h3 = mm	480 / 350	480 / 350	480 / 350	
	Performance	Travel speed :	Laden	Km / hr	6 – 7	6 – 7
Unladen			Km / hr	9 – 10	9 – 10	9 – 10
Gradient performance :		Laden	Max. %	7	7	4
		Unladen	Max. %	10	10	15
Service brake				Hydraulic	Hydraulic	Hydraulic
Parking brake				Hand operated	Hand operated	Hand operated
Power	Drive motor rating S2 60 min.	Kw	1.7	2.6	3.5	
	Drive type		®Series	®Series	®Series	
	Battery voltage, nominal capacity	V / Ah	30 / 289	36 / 299	36 / 299	
	Charger (Single phase)	Semi - automatic	30V / 40Ah	36V / 42Ah	36V / 42Ah	
Others	Type of drive controller		Stepless Mosfet	Stepless Mosfet	Stepless Mosfet	
	Sound level at driver's ear	db(A)	70	70	70	

* = Towing capacity includes trolley weight plus pay load weight.

@ = Resistance controller available with series drive motor on request.

© = Sepex motor can also be supplied on request.



• For any special requirement, please contact Jost's marketing department. • Dimensions indicated here are subject to variations of ± 20mm and performance within ± 10%. • Right to make changes and technical improvement reserved.

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