



JUMBOLECTRIC

(AC / DC Drive)

Three Wheel Industrial Platform Trucks

(Capacity 2000 / 3000 kg.)



- MOSFET stepless speed controller and heavy-duty contactors
- Carrying capacity up to 3000 kg
- Pollution free and user friendly
- Very good tractive force and ramp ability
- Easy and comfortable to ride.

Jost's Electric Platform Truck Model Jumboelectric is a Three-Wheel battery operated Material Handling Equipment used for carrying load up to 3000 kg over long distances on asphalt or smooth concrete road. It is ideal for use in interplant transportation, factories, warehouses, defence units, railway workshops, airports, and large processing plants. Josts leads the way with tough, dependable industrial platform trucks.



OPERATOR AREA:

Comfortable seat (with backrest ergonomically) is positioned over the battery cover with easy reach to the steering handle and it has the optimum leg-space (with suitable footrest) for operating the accelerator and brakes. The control switches on the panel are easily visible and accessible.



DRIVE AND TRANSMISSION :

Equipment is driven by an DC / AC (optional) motor of suitable rating with class 'F' insulation and is powered by suitable traction battery. Two-stage self-contained completely enclosed transmission gear unit is coupled with motor shaft on one side and is directly fitted on the front wheel on the other side thus transmits the power efficiently.



DRIVE CONTROL:

Microprocessor-based MOSFET controller provides smooth and stepless control of speed and acceleration. High life cycle contactors are used in the controller circuit to enhance dependability and productivity. Alternatively, four step resistance control can also be provided as an option.



CONTROL PANEL:

Control panel possess ON-OFF key switch, forward and reverse switch, emergency power cutoff switch, and battery discharge indicators (LED-type). Battery level indicator with an hour meter display can also be supplied as an option.



CHASSIS:

Chassis frame consists of a robust welded steel frame and chequered steel plate for holding the load. Bed height of the platform can be turn low or high as per need of the application. Platform can be of fixed type or of elevating type in both high & low platform model. This is suitable for carrying stillages. In elevating platform model, platform elevation is achieved via hand lever operated hydraulic pump and hydraulic cylinder. Motorised platform can also be supplied as an option.



Suspension:

Low Platform model comes with helical coil spring suspension at the front. High platform model incorporates helical coil spring (at the front) and rear suspension. High platform model is supported by leaf spring of adequate resilience and capacity thus absorb shocks and vibrations



Steering:

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



BRAKES:

Internally expanding foot-operated hydraulic brakes (for high platform model) and mechanical brakes (for the low platform on rear wheels) ensures smooth braking. Parking brake is actuated by hand-operated lever that is located on the left-hand side of the operator's seat. With AC motor (optional), regenerative function of the controller provides additional braking during the operation. With this arrangement, equipment comes to halt automatically when the operator remove foot from the acceleration pedal.



WHEELS:

Solid rubber-mounted tyres are provided on both drive wheel and rear axle for operating over a variety of surface conditions. Non-marking tyres can also be supplied as an option as per customer requests.



ACCESSORIES:

Head, tail, brake, lamps, and horns are supplied along with the equipment as a standard. Revolving / flashing lights, reverse buzzer, side indicators, canopy, battery roller bed, and battery changing trolley can also be supplied along with the equipment as an option.



SPECIAL VARIATIONS:

Platform truck can also be provided with elevating / tilting platform and dumper bucket to cater to various needs of the industries. For machine shop applications, platform truck can be supplied with Coolant containers for supply and collect fresh / used coolant for machines. Equipment can also be supplied with extended platform length and wider width up to 3000 mm and 2000 mm respectively as an option.



SAFETY:

Parking brake enables the vehicle to park on slopes without any kind of movement. Emergency power cut-off switch isolates the battery from the control panel to prevent any situation in an emergency. Safety accessories like revolving / flashing lights, reverse buzzer, side indicators, and canopy can also be supplied along with the equipment as an option.



SERVICING:

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:

Equipment is supplied with lead-acid traction batteries of 24V / 330Ah (AC model) and 30V / 289Ah (DC model) for 2000 kg model and of 36V / 299Ah for 3000 kg model as a standard. 36V / 330Ah battery can be supplied as an options. Maintenance-free batteries can also be supplied as an option.



CHARGER:

Equipment is supplied with high frequency constant current charger of suitable rating as a standard

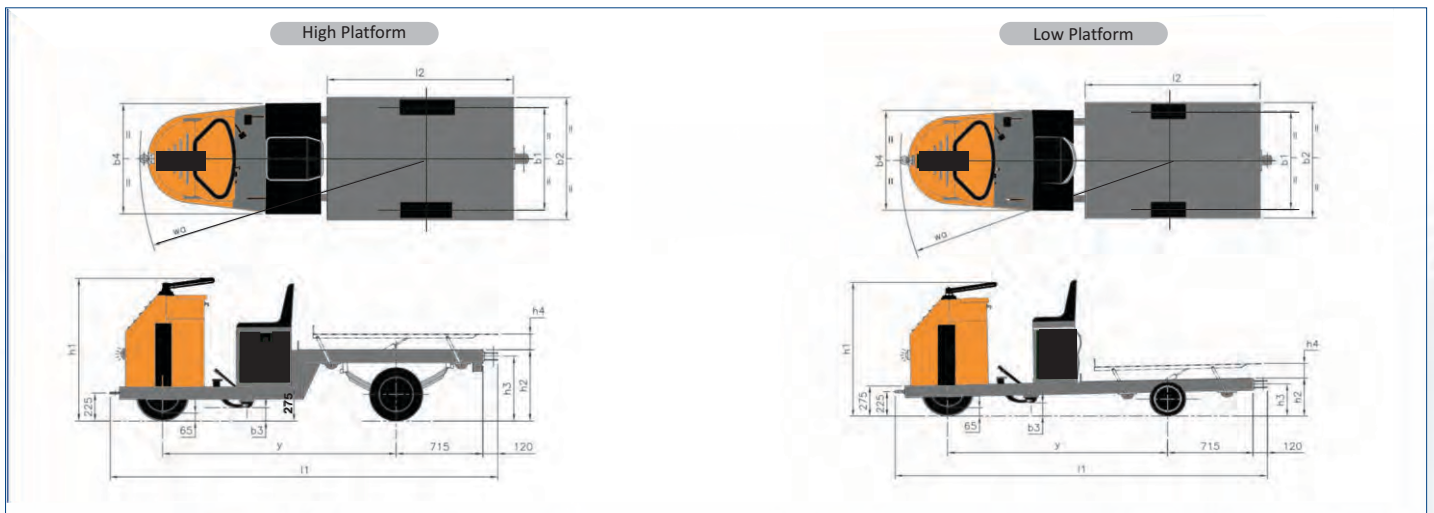
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Capacity: 2000 / 3000 kg

Performance Data

Description		HIGH PLATFORM				LOW PLATFORM					
Identification	Model	nos.	JEHF 20		JEHF 30		JELF 20		JELF 30		
	Platform	type	Fixed	Elevating	Fixed	Elevating	Fixed	Elevating	Fixed	Elevating	
Operation	type	Seated		Seated		Seated		Seated			
	Load Capacity	Kg	2000		3000		2000		3000		
Wheelbase	y = mm	1930		1930		1930		1930			
Weight	Service weight incl. Battery (approx) Fixed / Elevating	Kg	950 / 1050		1125 / 1225		900 / 1000		1075 / 1175		
	Battery weight (apx.)	Kg	350		450		350		450		
Chassis	Tyres	type	Solid Rubber		Solid Rubber		Solid Rubber		Solid Rubber		
	Tyre size, Front	mm	Ø438 x 127		Ø438 x 127		Ø438 x 127		Ø438 x 127		
	Tyre size, Rear	mm	Ø438 x 127		Ø438 x 127		Ø305 x 127		Ø305 x 152		
	Wheels, number Front / Rear (x = driven wheels)	nos.	1 x 2		1 x 2		1 x 2		1 x 2		
	Track width, Rear	b1 = mm	880		880		850		850		
Basic Dimension	Overall height	h1 = mm	1170 ^o		1170 ^o		1170 ^o		1170 ^o		
	Overall length	l1 = mm	3200		3200		3200		3200		
	Battery compartment width	b4 = mm	865		945		865		945		
	Overall width	b2 = mm	1000		1000		1000		1000		
	Ground clearance	b3 = mm	95 ^o		95 ^o		95 ^o		95 ^o		
	Turning radius	Wa = mm	2365		2365		2365		2365		
	Platform Size	l2 x b2 = mm	1525 x 1000		1525 x 1000		1525 x 1000		1525 x 1000		
	Elevation Height	h4 = mm	-	130	-	130	-	130	-	130	
	Platform / Towing Height with Rear suspension	h2 / h3 = mm	585 / 530 ^o		585 / 530 ^o		-		-		
	Platform / Towing Height without Rear suspension	h2 / h3 = mm	480 / 425 ^o		480 / 425 ^o		330 / 275 ^o		330 / 275 ^o		
Performance	Travel speed :	Laden	Km / hr	8	6	8	6	8	6	8	6
		Unladen	Km / hr	10	9	10	9	10	9	10	9
	Gradient performance :	Laden	Max. %	8	7	8	7	8	7	8	7
		Unladen	Max. %	12	10	15	13	12	10	15	13
	Service brake	type	Hydraulic		Hydraulic		Mechanical		Mechanical		
	Parking brake	type	Hand operated		Hand operated		Hand operated		Hand operated		
Power	Drive motor rating S2 = 60 min.	Kw	1.5	1.7	3.6		1.5	1.7	3.6		
	Drive	type	3Ø AC	©Series DC	3Ø AC	©Series DC	3Ø AC	©Series DC	3Ø AC	©Series DC	
	Battery voltage, nominal capacity	V / Ah	24 / 330	30 / 289	36 / 299		24 / 330	30 / 289	36 / 299		
	Charger (Single Phase) (Automatic)	V / Amp.	24 / 35	30 / 30	36 / 40		24 / 35	30 / 30	36 / 40		
Others	Drive control	type	STEPLESS MOSFET		STEPLESS MOSFET		STEPLESS MOSFET		STEPLESS MOSFET		
	Sound level at driver's ear	db(A)	85		85		85		85		

Note: 1. @ = Unladen Condition., 2. © = Resistance Controller available with DC series drive motor on request
3. # = Towing arrangement is for towing the vehicle only.



• 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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