

# JOTRUK

(Four wheel Industrial Platform Truck)  
Capacity 2000 kg.



- MOSFET stepless speed controller and heavy duty contactors
- Carrying capacity up to 2000 kg
- Pollution free and user friendly
- Very good tractive force and gradability
- Easy and comfortable to ride

With

Dumper



With

Scissor Lift



With

Side Flap



The Jost's electric platform truck model Jotruk is a four wheel battery operated material handling equipment used for carrying load up to 2000 kg over long distances on asphalt or smooth concrete road. It is ideal for use in inter-plant 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 back rest ergonomically positioned over battery cover with easy reach to steering wheel and optimum leg-space 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. The silent and efficient power is ensured through fully enclosed oil bathed gear box mounted directly on motor and output shaft of gearbox connected to rear differential axle through propeller shaft.

**Front Axle :** Front axle comprises of robustly constructed, central axle and stub axle with king pin assembly. The front axle connected to the main chassis through the suspension system.

**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 frame consists of robust welded steel frame, fabricated from suitable rolled sections and plates. The platform is made of thick M.S chequered plate, either of two half's or single plate as per customer requirement. The platform can be of fixed or elevating type for carrying stillages. In the elevating platform model, the platform elevation is achieved by hand lever operated hydraulic pump and hydraulic cylinder. Motorised platform can also be supplied as an option.

**Suspensions :** The suspension is through leaf springs on both axle and shock absorbers on the rear axle. Shock absorbers on the front axle can be provided as an option.

**Steering :** Steering mechanism consists of automotive steering gear unit. The entire unit is suitably inclined towards operators seat for comfortable drive.

**Brakes :** Internally expanding foot operated hydraulic brakes on rear wheels ensures smooth braking. The trucks can also be supplied with hydraulic brakes for front wheels on request. 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 (optional), the regenerative function of the motor provides additional braking during above operation.

**Wheels :** Solid rubber tyres are provided on both front and 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 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.

**Variations :** The platform truck can also be provided with elevating platform, dumper bucket, side flaps, scissor lift to cater various needs of the industries. For machine shop application, the platform truck can be supplied with coolant containers for supply and collection of fresh / used coolant for machines. The truck can also be supplied with extended platform length and wider width up to 2600 mm and 1600 mm respectively on request.

**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. Safety accessories like revolving / flashing lights, reverse buzzer, side indicators, canopy can also be supplied with the truck as option.

**Servicing :** The modular, service friendly design with easily removable front / top cover, twin platform sheets 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 36V / 299Ah for 2000 kg model, as standard. 36V / 330Ah batteries can be supplied as an option. The trucks can also be supplied with maintenance free batteries as an option.

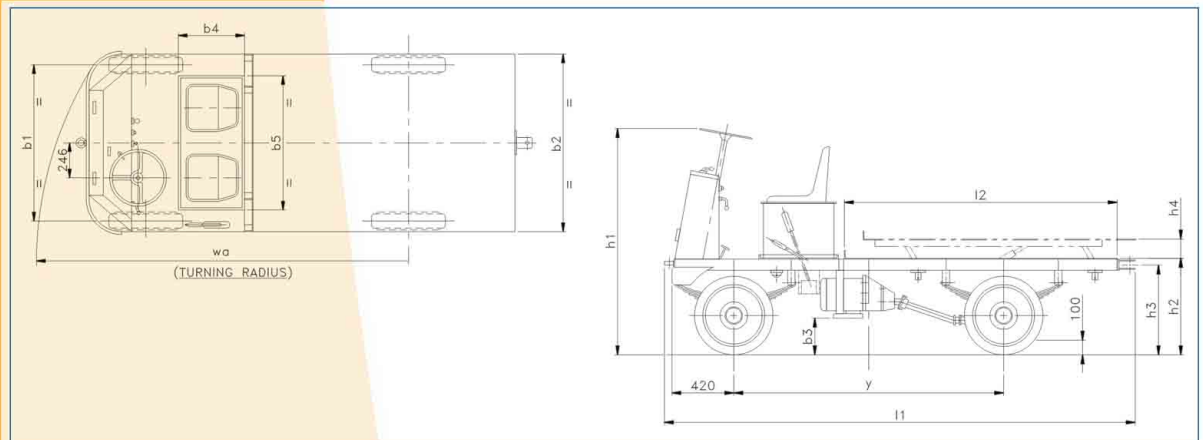
**Charger :** The truck can be supplied with timer controlled semi-automatic charger of suitable rating as a standard. Alternatively electronically controlled automatic charger can also be supplied on request.

## Performance Data

Identification	Model		Jotruk - F	Jotruk - E	
			Fixed	Elevating	
Type of operation			Seated	Seated	
Load capacity	Kg		2000	2000	
Wheelbase	y = mm		1830	1830	
Service weight incl. battery (approx.)	Kg		1210	1310	
Battery weight (approx.)	Kg		450	450	
Chassis	Tyres		Solid Rubber	Solid Rubber	
	Tyre size, Front		Ø535 x 127	Ø535 x 127	
	Tyre size, Rear		Ø535 x 127	Ø535 x 127	
	Wheels, number Front / Rear (x = driven wheels)		2 x 2	2 x 2	
Basic Dimension	Track width, Rear / Front		b1 = mm	1100	
	Overall height		h1 = mm	1585	
	Overall length		l1 = mm	3200	
	Battery compartment (width x length)		b4 x b5 = mm	450 x 945	
	Overall width		b2 = mm	1250 / 1400	
	Ground clearance		b3 = mm	250	
	Turning radius		wa = mm	3250	
	Platform size		l2 x b2 = mm	1850 x 1250 / 1400	
	Elevation height		h4 = mm	130	
	Platform height		h2 = mm	655 ± 20	
	Towing height		h3 = mm	610	
	Performance	Travel speed :			
		Laden		Km / hr	6-7
		Unladen		Km / hr	9-10
Gradient performance :					
Laden		Max. %	7		
Unladen		Max. %	10		
Power	Service brake		Hydraulic	Hydraulic	
	Parking brake		Hand operated	Hand operated	
Power	Drive motor rating S2 60 min.		Kw	2.6	
	Drive type		®Series	®Series	
	Battery voltage, nominal capacity		V / Ah	36 / 299	
	Charger (Single phase)		Semi - automatic	36V / 42Ah	
Others	Type of drive control		Stepless Mosfet	Stepless Mosfet	
	Sound level at driver's ear		db (A)	70	

® = 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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