

# JOTRUK

(AC/ DC Drive)

## Four Wheel Industrial Platform Trucks

(Capacity 2000 / 3000 / 4000 Kg)

- MOSFET STEPLESS SPEED CONTROLLER AND HEAVY DUTY CONTACTORS
- CARRYING CAPACITY UP TO 2000 / 3000 / 4000 KG
- POLLUTION FREE AND USER FRIENDLY
- VERY GOOD TRACTIVE FORCE AND GRADABILITY
- EASY AND COMFORTABLE TO RIDE

Jost's Electric Platform Truck model Jotruk is a Four-Wheel Battery Operated Material Handling Equipment used for carrying loads up to 2000 / 3000 / 4000 kg over long distances on asphalt or smooth concrete road. It is ideal for use in inter-plant transportation, factories, warehouses, defense units, railway workshops, airports, and large processing plants. Josts leads the way through its tough, dependable industrial platform truck.



### OPERATOR AREA:

Comfortable seat (with backrest ergonomically) is positioned over the battery cover with easy reach to the steering wheel. Equipment has optimum leg-space for operating accelerator and brakes. Control switches on the panel are easily visible and accessible.



### DRIVE AND TRANSMISSION:

Equipment is driven with suitable axle and DC/AC (optional) motor of suitable rating with class "F" insulation and is powered by suitable traction battery



### FRONT AXLE :

Front axle comprises of robustly constructed central axle and stub axle. Stub axle is connected to the front axle using kingpin assembly. The front axle is connected to the main chassis via suspension system.



### DRIVE CONTROL:

Microprocessor-based MOSFET controller provides smooth and stepless control of speed and acceleration. High life cycle contactors 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 Reverses switch, Emergency Power cut-off Switch and Battery Discharge Indicators. 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. It is fabricated from suitable rolled sections and plates. Platform is made of a thick M.S chequered plate of two half. Platform can be of fixed or elevating type for carrying stillages. In the elevating platform model, platform elevation is achieved by hand lever operated hydraulic pump and hydraulic cylinder. Elevating platform, either hand-operated or motorised, can be supplied as option.



### SUSPENSIONS:

The suspension has leaf springs and it has shock absorbers on the both axles.



### STEERING :

Steering mechanism consists of the automotive steering gear unit. Entire unit is suitably inclined towards the operator's seat for a comfortable drive.



### BRAKES:

Internally expanded foot-operated hydraulic brakes on both wheels ensures smooth braking. Parking brake is actuated by a hand-operated lever on the left-hand side of the operator's seat. With AC motor (optional), the regenerative function of the controller provides additional braking during the operation. It automatically halts the truck when the operator removes the foot from the acceleration pedal.



### WHEELS:

Solid rubber tyres are provided on both front and rear axle for operating over a variety of surface conditions. Non-marking tyres can also be supplied as an option on request



### ACCESSORIES:

Head, tail, brake lights and horn are provided along with the equipment as a standard. Revolving / flashing lights, reverse buzzer, side indicators, and canopy can also be provided as an option



### VARIATIONS:

Platform truck can be customised with elevating platform, dumper bucket, side flaps and scissor lift as per application. For the machine shop application, platform truck can be supplied with coolant containers for supply and collection of fresh / used coolant for machines. Platform Truck with a capacity of 2000 / 3000 kg can also be supplied with an extended platform length and wider width up to 2500 mm and 1400 mm respectively on request.



### 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 thus ensures safety during emergency



### SERVICING:

Modular service-friendly design with easily removable cover and twin platform sheets provide easy access to all components for servicing. It saves time during maintenance



### BATTERY:

Equipment is supplied with lead-acid traction batteries of 36V / 299Ah for both 2000 kg and 3000 kg model and 48V / 299Ah for the 4000 kg model as a standard. 36V / 330Ah batteries (for 2000 and 3000 kg model) can be supplied as an option. Equipment can also be supplied with maintenance-free batteries as an option.



### CHARGER:

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

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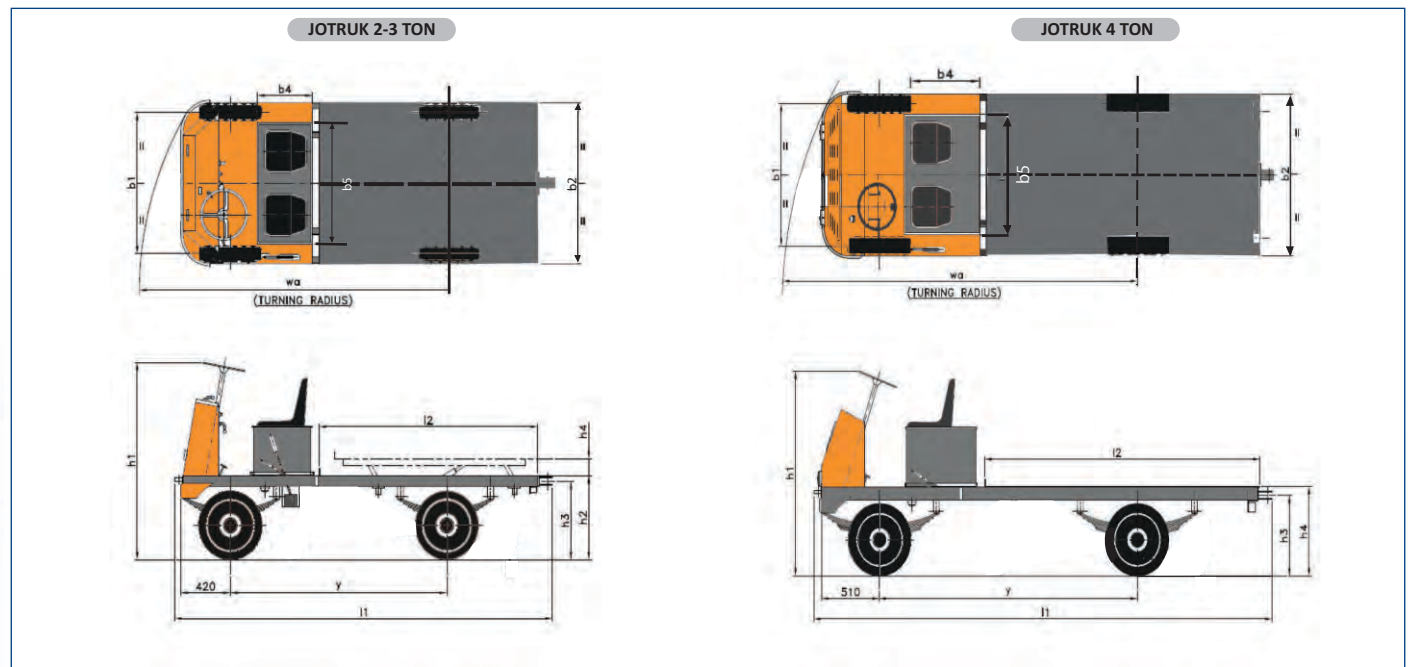
Capacity : 2000 / 3000 / 4000 kg.

### Performance Data

	Model	nos.	Jotruk – F		Jotruk – F		Jotruk – F		
Identification	Platform	type	Fixed		Fixed		Fixed		
	Operation	type	Seated		Seated		Seated		
	Load capacity	Kg	2000		3000		4000		
	Wheelbase	y = mm	1830		1830		2300		
Weight	Service weight excl. battery (apx.)	Kg	785		835		1150		
	Battery weight (apx.)	Kg	430		430		550		
Chassis	Tyres	type	Solid Rubber		Solid Rubber		Solid Rubber		
	Tyre size, Front	mm	Ø535 x 127		Ø535 x 127		Ø560 x 152		
	Tyre size, Rear	mm	Ø535 x 127		Ø535 x 127		Ø560 x 152		
	Wheels, Front / Rear (x = driven wheels) Nos.		2 x 2		2 x 2		2 x 2		
	Track width, Rear / front	b1 = mm	1080		1080		1100		
Basic Dimensions	Overall height	h1 = mm	1500 - 1600		1500 - 1600		1500 - 1600		
	Overall length (2 - 3 ton)	l1 = mm	3200		3200		-		
	Overall length for 2450mm platform length (4 ton)	l1 = mm	-		-		4100		
	Overall length for 2650mm platform length (4 ton)	l1 = mm	-		-		4300		
	Battery compartment (width x Length.)	B4 x b5 = mm	450 x 945		450 x 945		640 x 930		
	Overall width	b2 = mm	1250 / 1400		1250 / 1400		1250 / 1400		
	Turning radius	wa = mm	3250		3250		4500		
	Platform Size	l2 x b2 = mm	1850 x 1250 / 1400		1850 x 1250 / 1400		2450 / 2650 x 1250 / 1400		
	Platform Height	h2 = mm	655 <sup>®</sup>		655 <sup>®</sup>		700 <sup>®</sup>		
	Towing Height	h3 = mm	610 <sup>®</sup>		610 <sup>®</sup>		655 <sup>®</sup>		
	Travel speed :	Laden	Km / hr	8	6	8	6	6 - 7	7 - 8
		Unladen	Km / hr	8 - 9	9 - 10	7 - 8	9 - 10	7 - 8	8 - 9
	Gradient performance :	Laden	Max. %	7	8	7	8	7	7
		Unladen	Max. %	10	12	10	12	10	12
	Service brake	type	Hydraulic		Hydraulic		Hydraulic		
	Parking brake	type	Hand operated		Hand operated		Hand operated		
Power	Drive motor rating S2 = 60 min.	Kw	2.6		3.6		8.0		
	Drive	type	©Series DC	3 Ø AC	©Series DC	3 Ø AC	©Series DC	3 Ø AC	
	Battery voltage, nominal capacity	V / Ah	36 / 299		36 / 299		48 / 299		
	Charger (Single phase) (automatic)	V / A	36 / 40		36 / 40		48 / 40		
Others	Drive control	type	STEPLESS MOSFET		STEPLESS MOSFET		STEPLESS MOSFET		
	Sound level at driver's ear	db(A)	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. 4. Elevating Platform models are available on request. 5. Elevating height (h4) = 130mm



• 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.



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