

Electric low lift ride-on forklift truck **Virtus 30 RX ac**

Ride-on electric pallet truck with transversal steering column, ideal for intensive use and long travel distances



The Virtus 30 R ac ride-on electric pallet trucks with transversal steering column are ideal for transporting pallets over long distances. The special ergonomic features of these machines, excellent performance of the AC motors and high battery life render them ideal for intensive use and efficient in any work environment.

Electronic system

The Virtus 30 RX ac trucks are equipped with ac electronic equipment. These controls check and enable all machine functions and allow unlimited adjustments for performance optimisation, adapting the truck to the operation to be carried out, ensuring silent operation and high performance with low power consumption. All electric drive and braking parameters can be set from a control panel, according to customer's requirements. Powerful acceleration with quick change of direction. The anti roll-back system turns on automatically when working on slopes, ensuring maximum safety for the operator.

Drive

Powerful and reliable three-phase ac traction motors, able to satisfy even the most demanding requests for performance, providing the necessary amount of power every time, as the speed of the truck can be adjusted by changing the position of the throttle.

Braking

There are three braking systems in this range:

- braking by reversing the running direction and releasing the throttle (service braking that can be adjusted from the control panel);
- emergency braking that takes place automatically if the tiller is suddenly released or lowered (electromagnetic brake);
- parking brake.

Frame

Made of bended sheet metal to minimise any tensions induced by welds, ensuring maximum mechanical resistance over time. Standard lateral battery extraction system for readily replacement in case of heavy duty applications and multiple work shifts. Particular attention has been paid to provide easy access to wear parts, minimising therefore the routine main-tenance costs.

Operator's compartment

The central operator workstation located inside the chassis protects the operator while offering him 360° visibility, preventing any neck pain. All the controls are intuitive and easily accessible. The dashboard shows all machine parameters including the traction speed, battery life and operating hours.

Low step height

Low step height for safe and quick climbing on and off the truck.

Lateral battery extraction

High-capacity battery (24V 320Ah and 24V 500Ah optional) for long battery life. Easy lock system for battery extraction, ideal for quick replacement when used on multiple work shifts.

double front roller		S
width over forks 560 mm		S
width over forks 680 mm		0
polyurethane drive wheel		S
servo-assisted steering wheel	S	
13 km/h speed (only for Virtus 20R)		0
setup for cold store		0
automatic battery filling system		0
electronic braking system		S
electronic speed control		S
electromagnetic parking brake		S
timer - battery state of charge indicator		S
single roller for lateral battery extraction		0
double roller for lateral battery extraction		0
s=standard	o=optional	





Characteristics	teristics 1.1 Manufacturer					OMG S.r.I. Single member company
	1.2	Model				VIRTUS 30 R ac
						1,150 x 560
	1.3	Powertrain : E (electric)				E
	1.4	Type of steering : T (tiller) S (steering wheel) A (walk behind) P (stand-on) R (se	ated)			S / R
	1.5	Capacity		Q	С	3.0
	1.6	Center of mass		С	mm	600
1.8		Load distance from front axle		Х	mm	980
		Wheel centre distance		Y	mm	1,612
		Truck weight (with battery)			kg	1,233
Weights	2.2	Load on wheels (with load)	front/rear		kg	1,372 / 2,861
	2.3	Load on wheels (empty)	front/rear		kg	924 / 309
Wheels - Frame	3.1	Tyres and wheels : plt (polyurethane) vlk (vulkollan)	nonzroda		g	plt
WIECEIS - FLATTIC	3.2	Front wheels size			mm	245 / 150
	3.3	Rear wheels size			mm	85
	3.4	Stabiliser wheels size			mm	150
	3.5	Wheels number : front / rear (x = drive)				1x + 2/4
	3.6	Front track		b 10	mm	600
	3.7	Rear track		b 10	mm	380
Dimonsions				h3	mm	120
DIMENSIONS	Dimensions 4.4 Lifting height			h14	mm	120
	4.9 4.15	Tiller height in travel position (min / max)		h13		90
		Forks lowered height		11	mm	
	4.19	Overall length			mm	2,043
	4.20	Length including fork plates		12	mm	894
	4.21	Overall width		b1 / b2	mm	950
	4.22	Forks size		s/e/l	mm	60 / 180 / 1,150
	4.25	Width over forks		b5	mm	560
	4.32	Clearance at mid stroke	with load	m2	mm	30
	4.33	Working aisle with 1000 x 1200 pallet and 1200 forking		Ast3	mm	
	4.34	Working aisle with 800 x 1200 pallet and 800 forking		Ast3	mm	2,280
	4.35	Turning radius		Wa	mm	1,880
Performance	5.1	Translation speed	with load / empty		km / h	9.0 / 10.5
	5.2	Lifting speed	with load / empty		m / s	0.04 / 0.05
	5.3	Lowering speed	with load / empty		m / s	0.26 / 0.06
	5.7	Feasible gradient (S2 30 min)			%	
	5.8	Max feasible gradient (S2 5 min)			%	6 / 15
	5.10	Service brake M (mechanical) I (hydraulic) IV (reverse)			IV	
Motor	6.1	Traction motor, power S2 60 min			kW 2.6	
	6.2	Lift motor, power S3 15%			kW	2
	6.3	Battery as per DIN 43531 / 35 / 36 A, B, C, no				no
	6.4	K5 battery voltage, capacity			V / Ah	24 - 320 / 460 / 500
	6.5	Battery weight (± 5 %)			kg	300
Other	8.1	Start control type				ac
	8.4	Noise level at operator's station			dB (A)	< 70
technical data determined i	n compli	ance with VDI 2198				
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