

REACH TRUCK XR 20

Capacity : 2000 Kg.

- ✓ European Technology
- ✓ Manufactured in India
- ✓ Full AC Version
- ✓ 360° Electronic Power Steering
- ✓ CAN - BUS Technology
- ✓ Regenerative Braking



REACH TRUCK - XR 20

Maximum Reliability



- XR Reach Truck is equipped with modern AC motors and electrical systems and wiring protected to IP 45 meaning dust-proof and spary-proof.

Safety and Ergonomics



- Hydraulic functions and the electrical controls ergonomically arranged for easy access and intuitive operation.

Braking Systems



- 3 independent braking systems
- Electric brake with energy recovery
- Hydraulic brake acts on the two load wheels
- Electromagnetic parking brake, which is activated in parking mode
- Emergency mode when the red safety button is pressed.

State-of-the-art electronic system



- The XR-16 uses a high frequency electronic system for traction and lift control



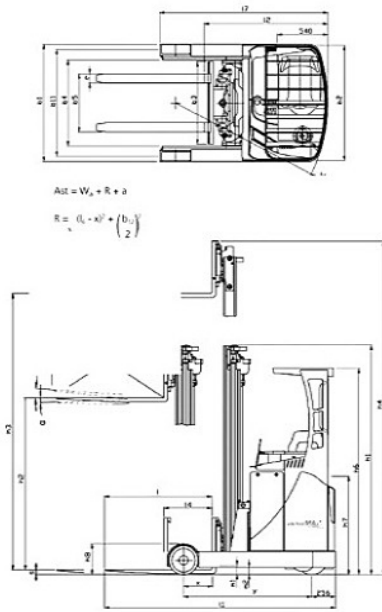
Salient Features

- Electronic Power Steering 360°
- Adjustable steering column
- Tilt Fork -2° / +4°
- Integral Side Shifter ± 100mm
- CAN BUS mode of fault detection
- Hydraulic Movement by Micro Levelers
- Proportional Controlled Hydraulics
- Two Simultaneous Movement (Lift & Carriage)
- Four Speed Profiles
- Electronic Creep Speed Selector
- Traction Speed, acceleration, electric braking, hydraulic braking & hydraulic function are electronically adjusted.
- Proportionally controlled hydraulic functions operated by potentiometric microlevers for precise control and movement.
- Polyurethane drive tyre to absorb shocks.
- Rugged mast
- Battery Roll Out
- FEM II B Forks 1150mm
- Regenerative Braking
- Load Backrest
- Easy wheel replacement

Safety Features

- Dead Man Load
- Emergency Stop Button
- Anti Tilt
- Adjustable weight Sensors to avoid accidental operation
- Three Braking Systems-Regenerative Braking, Hydraulic and Electromagnetic
- High Drive Position
- Excellent All Round Visibility
- Excellent Overhead visibility through Overhead Guard
- Seat Belt

TECHNICAL SPECIFICATION & SCHEMATIC DIAGRAM



Optional accessories offered

- Battery Auto Filling System
- Height Indicator
- Height Pre-Selector
- Weight Indicator
- On-Fork Cameras

Specification	1.1	Manufacturer		VOLTAS	VOLTAS
	1.2	Model		XR 20	XR 20 HD
	1.3	Power unit		electric	electric
	1.4	Operator type		seated	seated
	1.5	Loading capacity	Q (t)	2	2
	1.6	Centre of gravity	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	437	364
	1.9	Wheel base	y (mm)	1514	1514
Weights	2.1	Weight battery included	kg	see weight table	see weight table
	2.3	Axles unladen weight	kg	see weight table	see weight table
	2.4	Axles laden weight - reach out	kg	see weight table	see weight table
	2.5	Axles laden weight - reach in	kg	see weight table	see weight table
Wheel & Tyres	3.1	Tyre type		VULKOLLAN	VULKOLLAN
	3.2	Size of traction wheels	mm	343 x 136	343 x 136
	3.3	Size of load wheels	mm	310 x 102	310 x 102
	3.5	Wheels: number at front/back (x = traction)		1x / 2	1x / 2
	3.6	front track (drive wheels)	b10 (mm)	-	-
	3.7	Rear track (load wheels)	b11 (mm)	1140	1140
Dimensions and overall sizes	4.1	Tilt (forward α / backward β) Mast tilt $h3 \leq 5750$	degrees ($^\circ$)	-	-
		Mast tilt $h3 \geq 5900$		-	-
		Fork tilt		2° / 4°	2° / 4°
	4.2	Closed mast height	h1 (mm)	see table below	see table below
	4.3	Free lift	h2 (mm)	see table below	see table below
	4.4	Lifting range	h3 (mm)	see table below	see table below
	4.5	Height of mast extended	h4 (mm)	see table below	see table below
	4.7	Height of driver's overhead guard	h6 (mm)	2200	2200
	4.8	Height of seat	h7 (mm)	1050	1050
	4.10	Height of reach legs	h8 (mm)	330	330
	4.19	Total length	l1 (mm)	2556	2556
	4.20	Length to fork face	l2 (mm)	1406	1406
	4.21	Total width	b1 (mm)	1250	1250
	4.22	Fork dimensions	s/e/l (mm)	50 / 100 / 1150	50 / 100 / 1150
	4.23	Fork carriage		FEM II B	FEM II B
	4.25	Forks spread (outside)	b5 (mm)	620	620
	4.26	Reach legs width (inside)	b4 (mm)	914	914
	4.28	Reach	l4 (mm)	586	586
	4.31	Ground clearance under mast - laden	m1 (mm)	100	100
	4.32	Ground clearance at wheel-base centre - laden	m2 (mm)	76	76
	4.33	90° stacking aisle 1000 x 1200 crosswise	Ast (mm)	2844	2844
4.34	90° stacking aisle 1200 x 800 crosswise	Ast (mm)	2897	2897	
4.35	Minimum turning radius	Wa (mm)	1770	1770	
4.37	Length including reach legs	l7 (mm)	1942	1942	
Performances	5.1	Travel speed (loaded/unloaded)	km/h	12.0 / 12.0	12.0 / 12.0
	5.2	Lifting speed (loaded/unloaded)	m/s	0.2 / 0.5	0.2 / 0.5
	5.3	Lowering speed (loaded/unloaded)	m/s	0.4 / 0.4	0.4 / 0.4
	5.7	Max gradient KB30° (loaded/unloaded)	%	9.5/15	9/15
	5.8	Max climbing gradient KB5° (loaded/unloaded)	%	9.5/15	9/15
5.10	Service brake		Generator / Hydromechanic with pedal on load wheels	Generator / Hydromechanic with pedal on load wheels	
Engines	6.1	Traction motor, performance KB 60°	kW	6	6
	6.2	Lifting motor, performance 15% ED	kW	11.5	11.5
	6.3	Battery standard		DIN 43531 C	DIN 43531 C
	6.4	Voltage / Rated capacity	V / Ah	48 / 700	48 / 700
	6.5	Weight of battery (+/-5%)	kg	1185	1185
	6.6	Power consumption according to VDI cycle	kWh/h	5.2	6.3
Others	8.1	Type of control		Electronic tri-phase	Electronic tri-phase
	8.2	Working pressure for attachment	bar	140	140
	8.3	Oil capacity	l/min	18	18
	8.4	Noise level for operator	dB (A)	< 70	< 70

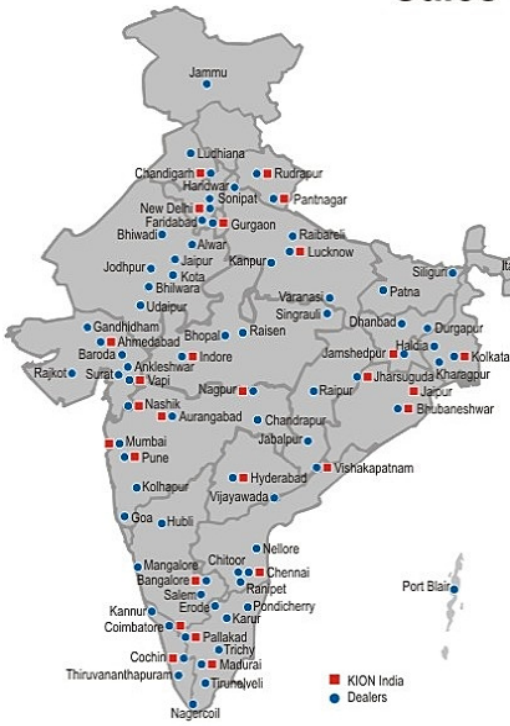
Mast Dimensions & Load Capacity For Various Mast Combinations - XR20 With Battery Specification 48V / 700 AH

MAST FORK HEIGHT H3 (mm)	H2 (mm)	H1 (mm)	H4 (mm)	Load capacity (kg)
7825	2570	3200	8455	1700
8825	2970	3600	9455	1500
9625	3270	3900	10255	1300

Mast Dimensions & Load Capacity For Various Mast Combinations - XR20HD With Battery Specification 48V / 700 AH

MAST FORK HEIGHT H3 (mm)	H2 (mm)	H1 (mm)	H4 (mm)	Load capacity (kg)
10025	3670	4300	10655	1300
10625	3870	4500	11255	1150
11525	4270	4900	12155	850

Sales & Service Network



KION GLOBAL PRESENCE



WAREHOUSING SOLUTIONS

PRODUCT RANGE



Hand Pallet Truck



Manual Stacker



Semi Electric Stacker



BOP Truck (WE)



High Performance BOPT



Electric Stacker



High Performance Electric Stacker



CB Stacker



Reach Truck



Electric Forklift
1.5 Ton - 3.5 Ton



Tow Truck
6 Ton - 8 Ton



Racking Solutions

May - 2017/00 - Qty : 2000

VOLTAS

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