

1.5T - 3.0T Automatic Diesel Forklift

Capacity : 1500 / 2000 / 3000 kg at 500 mm LC



MAX

**Power
Performance
Productivity**



ENGINE

A four-cylinder, BS-III diesel engine conforming to IS: 10000 (1980) is used. Air inlet to the engine is through top of the canopy ensuring clean air if fed to the engine for longer life. The engine cooling system with cross flow radiator and a pusher type fan is standard. 12 volts electrical system with starter motor, alternator and battery is standard.

AUTOMATIC TORQUE TRANSMISSION

The truck is equipped with a world class transmission making the drive unit compact. The fully automatic transmission uses a torque converter, which has been matched to the engine characteristics using a computer programme. This provides stepless variable torque multiplication for meeting all specified load and road conditions. Gear shifting is done electrically, using an effortless shift lever mounted on the steering column. The hydraulic inching is a standard feature provided on the truck for easy maneuverability. A neutral gear start is a standard safety feature preventing accidental truck movement at the time of starting

BRAKES

Service brakes are heavy duty drum brakes that are self-energizing and self-adjusting, conforming to IS:9701 (2001). Independent hand Operated parking brake is provided for additional safety.

STEER AXLE

The axle is fabricated from steel plates for durability and strength. The axle is supported in the frame by using hardened steel bushings for providing the required articulation. The integrated balanced power cylinder is well protected inside the axle body. The axle assembly is made by using plain pin joints for ease of maintenance.

HYDROSTATIC POWER STEERING

The hydrostatic power steering provides a finger touch effortless, smooth steering, enhancing operator comfort. The load sensing system saves power by using a priority valve that directs hydraulic flow for steering action only on demand.

HYDRAULIC SYSTEM

Hydraulic system consists of reservoir, pump, directional control valves, cylinders and full flow filtration system with bypass protection, suction strainer and 25 micron replaceable return line filter. Pressure relief, tilt lock and flow control valves are provided for safety. Tank capacity: 40 liters.

INSTRUMENTATION AND CONTROLS

Instrument panel consisting of fuel, oil pressure, water temperature and ammeter and engine hour meter gauges is ergonomically located for operator's view. All the gauges are illuminated for night driving. All control levers, switches and pedals are located ergonomically enhancing operator comfort.

AFTER SALES SERVICE AND TECHNICAL SUPPORT

After Sales Service and technical support is ensured through a nationwide network of more than 100 Voltas Touch Points with strong dealer network. Factory trained engineers at locations support speedy resolution of field problems. Our Central Parts Warehouse located at Pune caters to timely supply of parts with additional stock maintained at more than 100 Voltas Touch Points.

OPTIONS

A variety of Hydraulic and Mechanical accessories and attachments are available on requests to meet customized requirements. Contact our nearest Dealer or Branch office for further details.

MAST CONFIGURATIONS

TYPE OF MAST	MAST MODEL	OAH h1 mm	FFH h2 mm	MFH h3 mm	OAH@MFH with LBR h4mm	TILT ANGLE DEGREE FWD / BWD	SPEEDS LADEN		CAPACITY at MFH @ 500 mm LC	
							LIFTING mm/s	LOWERING mm/s	DVX20	DVX30
2-Stage	HVM	2360	100	3620	4840	6 / 12	500	550	2000*	3000*
2-Stage	HVD	2125	1500	3000	4220	6 / 8	500	550	2000*	3000*
3-Stage	HVT 2125	2125	1465	4500	5720	6 / 8	500	550	2000*	2750*
3-Stage	HVT 2600	2600	2085	6030	7240	6 / 6	500	550	1000*	1500*

OAH: Overall Mast Height

FFH: Free Fork Height

MFH: Max Fork Height

FWD : Forward

BWD : Backward

* Capacity shall derate by 200kg with sideshifter.

SALIENT FEATURES



Powerful BS-III compliant Fuel efficient Diesel engine



Reliable In house manufactured drive line for lower operating costs and increase performance



Single electric gear shift lever for Forward reverse / Hi-Low speed (Fully Automatic)



Top air inlet through canopy for cleaner air to engine



C-JJ wide view mast for clear front operator visibility



Ample operator leg room for longer hours of fatigue free operation



Wider operator foot rest for safer entry & exit



Large operator hand assisted access grip



Easy access combination switch



Lever for smooth opening of engine hood



Ergonomically cowl-mounted controls for ease in operation



High combination lights for clear visibility & safety



Protective light guards prevents damage



IP65 class smooth key start ignition provides protection from rain water ingress & longer life



Large engine hood space provides ample space for maintenance



Sleek single piece overhead guard with acrylic top cover for operator protection from sun and rain



Elegant IP65 protected panel maps vehicle diagnostic parameters

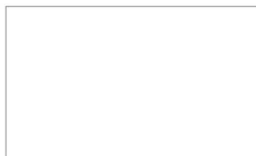
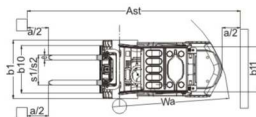
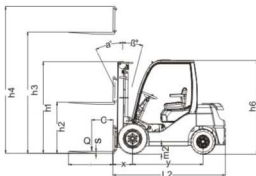
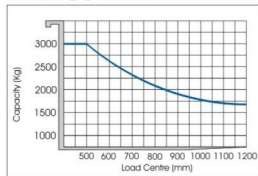


28 x 9 x 15 front tyres for better road grip and higher stability

SPECIFICATIONS		KION India	
1	MANUFACTURER		
2	MODEL		DVX30 KAT
3	CAPACITY	LIFTING LOAD	KG Q 3000
4	LOAD CENTER	DISTANCE	MM C 500
5	POWER UNIT	ENGINE TYPE	DIESEL
6	TYRES	CUSHION (BC) PNEUMATIC (P) OPTIONAL	CUSHION - STD
7	LIFT HEIGHT STD MAST	MAX FORK HEIGHT	MM h3 3620
8		FREE LIFT WITH STD HVM MAST	MM h2 100
9	FORK CARRIAGE	ISO CLASS	3A
10	FORK DIMENSIONS	THICKNESS(s) X WIDTH(e) X LENGTH(l)	MM 45 X 125 X 1070
11	FORK SPREAD	MINIMUM - MAXIMUM	MM s1 / s2 290 x 990
12	TILT ANGLE WITH HVM	FORWARD / BACKWARD	DEG 6/12
13		LENGTH TO FACE OF FORKS	MM L2 2730
14		OVERALL WIDTH	MM b1 1230
15	OVERALL DIMENSIONS WITH STD HVT MAST	HEIGHT WITH COLLAPSED MAST	MM h1 2360
16		HEIGHT WITH EXTENDED MAST & LBR	MM h4 4230
17		HEIGHT OF CANOPY GUARD	MM h6 2150
18	TURNING RADIUS	MM Wa 2475	
19	FRONT OVERHANG	MM x 470	
20		EQUAL AISLE	MM 2200
21	AISLE WIDTH	AISLE RIGHT ANGLE WITH 1200 X 1000 PALLETS	MM Ast 4120
22		TRAVEL - LADEN / UNLADEN	KMPH 17 / 17
23	LIFTING SPEEDS WITH STD HVM	LIFTING - LADEN / UNLADEN	MM/S 500 / 550
24		LOWERING - LADEN / UNLADEN	MM/S 500 / 350
25	GRADABILITY**	(PNEUMATIC TYRES) LADEN / UNLADEN	% 17 / 20
26	STEERING TYRE	POWER STEERING	HYDROSTATIC
27	SERVICE WEIGHT	LADEN / UNLADEN	KG 7300 / 4300
28		NO - FRONT / REAR	NO 02 / 02
29	TYRES	SIZE - FRONT	MM 28 X 9 - 15
30		SIZE -REAR	MM 6.50 X 10
31	WHEEL BASE	MM y 1700	
32	TRACK	FRONT / REAR	MM b10/b11 1000 / 970
33	GROUND CLEARANCE	UNDER FRAME	MM m2 175
34	BRAKES	SERVICE	HYDRAULIC
35		PARKING	MECHANICAL
36		MANUFACTURER / MODEL	MAHINDRA / NE4523A
37	ENGINE	RATED HP AS PER IS 10000	HP 49@2100 rpm
38		RATED TORQUE (Nm @ RPM) APPX	190 @ 1400
39	GEAR BOX	TRANSMISSION	AUTOMATIC

SAFETY: TRUCK CONFORMS TO STABILITY REQUIREMENT AS PER 'BIS' & 'ISO' STANDARDS. ALL SPECIFICATIONS ARE SUBJECT TO +/- 12% TOLERANCE DUE TO CONTINUOUS DESIGN IMPROVEMENTS THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DVX 30 KAT



OM VOLTAS
DESIGNED TO WORK

KION India Private Ltd.

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**100+
CUSTOMER
TOUCH POINTS**



FMKTKION 302.140.00