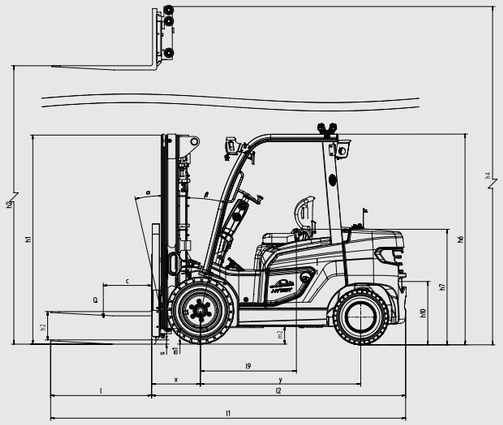
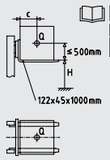
Lifting Capacity Diagram for Duplex Mast/Triplex Mast with Standard Fork Carriage

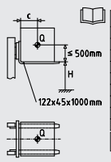


HT30 **Duplex mast**



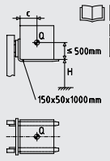
H [mm]	Q [kg]			
≤ 3500	3000	2720	2500	2300
c [mm]	400 - 500	600	700	800

HT30 **Triplex mast**



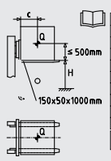
H [mm]	Q [kg]			
6045	1510	1370	1260	1160
5545	1870	1700	1560	1440
5045	2240	2030	1860	1720
4845	2380	2170	1990	1830
4695	2490	2260	2080	1920
4545	2600	2360	2170	2000
4395	2710	2460	2260	2090
4095	2930	2660	2440	2250
≤ 4500	3000	2720	2500	2310
c [mm]	400 - 500	600	700	800

HT35 **Duplex mast**

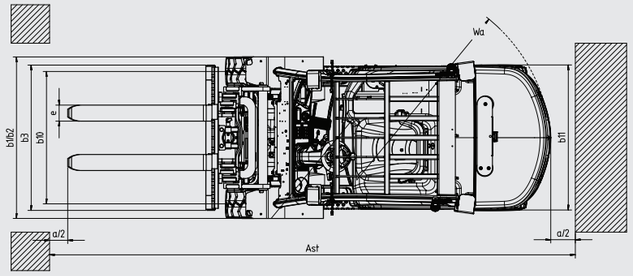


H [mm]	Q [kg]			
≤ 3500	3500	3180	2920	2690
c [mm]	400 - 500	600	700	800

HT35 **Triplex mast**



H [mm]	Q [kg]			
6050	1650	1500	1370	1270
5550	2100	1910	1750	1620
5050	2550	2320	2130	1970
4850	2730	2480	2280	2100
4700	2860	2610	2390	2210
4550	3000	2730	2500	2310
4400	3130	2850	2620	2420
4100	3400	3100	2840	2630
≤ 4500	3500	3180	2920	2700
c [mm]	400 - 500	600	700	800



Safety distance a=200mm

Mast Datasheet (in: mm)

Duplex Masts (mm)		HT30/35
Lift height	h3	3500
Retracted height	h1	2402
Free lift (With LBR)	h2	1353
Free lift (Without LBR)	h2	1653
Height, mast extended	h4	4545
Height of overall at max. lift (Without LBR)	h4	4252
Tilt of mast, forward/backward	a/b°	6/12

Triplex Masts (mm)		HT30/35	
Lift height	h3	4500	6000
Retracted height	h1	2202	2902
Free lift (With LBR)	h2	1153	1853
Free lift (Without LBR)	h2	1453	2153
Height, mast extended	h4	5545	7045
Height of overall at max. lift (Without LBR)	h4	5252	6752
Tilt of mast, forward/backward	a/b°	6/6	6/6

Linde Material Handling

Engine Forklift Trucks

HT30 - HT35

Capacity 3.0 – 3.5 t

Robust Safety & Proven Reliability

Engineered to meet stringent standards, the overhead guard, chassis, and mast ensure operator safety. Trusted components and Linde's design benchmarks deliver lasting reliability and rugged diesel performance.

Driver Comfort & Ergonomic Design

The cabin is spacious, quiet, and designed for ergonomic efficiency with features like an adjustable seat, small-diameter steering wheel, and user-friendly levers, offering superior driver comfort and control.

Powerful Performance & Fuel Efficiency

Driven by a turbocharged Kubota engine with electronic control, the diesel forklift delivers efficient fuel combustion and strong hydraulic output. Features like inching pedals, anti-skid footrests, and clear mast visibility enhance operational precision and productivity.

Eco-Friendly Efficiency & Compliance

Built to comply with CEV-V norms, this diesel forklift ensures lower fuel consumption, reduced emissions, extended component life, and simplified maintenance, offering long-term value with a focus on sustainable operations.

Features

Smooth & Fuel-Efficient Transmission

→ Optimized engine-to-transmission coordination ensures high-efficiency performance
→ Smart fuel management delivers power on demand for better fuel economy
→ Kubota engine with electronic control enhances overall stability and reliability

Advanced Hydraulic & Mast System

→ Electro-hydraulic system allows swift forward/reverse transitions
→ Side-mounted control lever ensures easy and efficient handling
→ Hydraulic multi-control valve enables accurate and responsive operations

Linde Clear-View Mast

→ Slim-profile mast ensures a broad, clear line of sight
→ Designed for fast assembly and simplified maintenance
→ Lost load height of 4300 mm enables superior lifting performance

Linde Operator's Compartment

→ Roomy and ergonomic workspace for the operator
→ Compact steering wheel for effortless maneuvering
→ Smooth-operating hydraulic lever designed for ease and comfort

CEV-V Compliance & Eco-Friendly Operations

→ Fully compliant with CEV-V norms to reduce emissions
→ Features advanced after-treatment systems: DOC and DPF
→ Regeneration (REGEN) function supports DPF cleaning and consistent performance

Standard and Optional Equipment

Standard Equipment

→ Single pedal system
→ Electronic direction lever
→ Ergonomic dashboard
→ Wrap-around seat
→ Foot-operated parking brake
→ Multi-function display
→ Flashing beacon
→ Adjustable steering column
→ Teardrop steering wheel
→ 4.3" colour display
→ USB charger
→ Towing pin
→ Downwards exhaust
→ SE tires

Optional Equipment

→ Other lift height with Standard/Duplex/Triplex mast
→ Various non-standard fork lengths
→ Integrated side shifter/Hook on side shifter
→ One or two additional hydraulic circuits available
→ Additional working lamp
→ Blue spot
→ Pneumatic tires

Linde Material Handling

Technical data

				KION INDIA	KION INDIA
Characteristics	1.1	Manufacturer		KION INDIA	KION INDIA
	1.2	Manufacturer's type designation		HT30	HT35
	1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel
	1.4	Operator type: pedestrian, standing, seated, order-picker		Seated	Seated
	1.5	Rated capacity	Q (t)	3	3.5
	1.6	Load center distance	c (mm)	500	500
	1.8	Load distance	x (mm)	518	518
	1.9	Wheelbase	y (mm)	1700	1700
Weight	2.1	Service weight	kg	4950	5350
	2.2	Axle loading, laden front/rear	kg	7270 / 690	7710 / 750
	2.3	Axle loading, unladen front/rear	kg	2280/ 2680	2600/ 2760
Tyres	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Solid	Solid
	3.2	Tyre size, front		28×9–15	28×9–15
	3.3	Tyre size, rear		6.50–10	6.50–10
	3.4	Wheels, number front/rear (x = driven wheels)		2x/2	2x/2
	3.5	Tread, front	b10 (mm)	1030	1030
	3.6	Tread, rear	b11 (mm)	1100	1100
Dimentions	4.1	Tilt of mast forward/backward	(Grad)	6/6	6/6
	4.2	Height, mast lowered	h1 (mm)	2200	2200
	4.3	Free lift	h2 (mm)	1150	1150
	4.4	Lift	h3 (mm)	4500	4500
	4.5	Height, mast extended	h4 (mm)	5130	5130
	4.6	Height of overhead guard (cabin)	h6 (mm)	2220	2220
	4.7	Seat height relative to SIP/stand height	h7 (mm)	1240	1240
	4.8	Distance front axle to SIP at middle seat position	l9 (mm)	1000	1000
	4.9	Coupling height	h10 (mm)	650	650
	4.10	Overall length	l1 (mm)	3770	3810
	4.11	Legnth to face of forks	l2 (mm)	2700	2750
	4.12	Overall width	b1/b2 (mm)	1260	1260
	4.13	Fork dimensions DIN ISO 2331	s/e/l (mm)	45×125×1070	50×150×1070
	4.14	Fork carriage ISO 2328, Class/type A,B		3A	3A
	4.15	Fork carriage width	b3 (mm)	1100	1100
	4.16	Ground clearance, laden, below mast	m1 (mm)	160	160
	4.17	Ground clearance, laden, center of wheelbase	m2 (mm)	180	180
	4.18	Load dimension b12xl6	b12xl6 (mm)	1000 × 1220	1000 × 1220
	4.19	Aisle width predetemined load dimensions	Ast (mm)	4254	4315
	4.20	Turning radius	Wa (mm)	2400	2450
Performance	5.1	Travel speed, laden/unladen	km/h	17 / 18	17 / 18
	5.2	Lifting speed, laden/unladen	m/s	0.5 / 0.55	0.5 / 0.55
	5.3	Lowering speed, laden/unladen	m/s	0.40 / 0.45	0.40 / 0.45
	5.4	Drawbar pull, laden/unladen	N	16500 / 11100	16300 / 10900
	5.5	Gradeability, laden/unladen	%	22 / 24	20 / 22
	5.6	Service brake		Mechanical / Hydraulic	Mechanical / Hydraulic
Combustion-engine	6.1	Engine manufacturer/type		Kubota / V2607-T	Kubota / V2607-T
	6.2	Engine power according to ISO 1585	kW	48	48
	6.3	Rated speed	(min-1)	2400	2400
	6.4	Number of cylinders/displacement	cm^3	4 / 2615	4 / 2615
	6.5	Battery voltage/nominal capacity	V / Ah	12V / 90Ah	12V / 90Ah
Others	7.1	Type of drive unit		Hydrodynamic	Hydrodynamic
	7.2	Operating pressure for attachments	bar	185	185
	7.3	Oil volume for attachments	l/min	30	30
	7.4	Fuel tank capacity	L	50	50
	7.5	Sound pressure level at the driver's seat	dB (A)	85	85

Figures for standard version may vary when options equipment is fitted