



FD2RT/FD4RT25-35

DIESEL ROUGH-TERRAIN FORKLIFT



Ergonomic



Easy to
clean



Robust
design



Capacity
2500-3500kg



High
performance

Why choose between price and quality when you can have both !

FD2RT/FD4RT25-35 - PRODUCT FEATURES

// **Excellent performance**

High gradeability of up to 45% under full load

Ground clearance adapted to most working conditions on uneven terrain 220mm

Very small turning radius 2859mm



// **Sustainability**

An optimised exhaust system, to reduce passive pressure, dual-stage air filters with high air intake, to improve air quality for the engine.

Particular attention was paid to the choice of components, which were sourced from the world's leading manufacturers worldwide, making the FD2RT/FD4RT exceptionally robust.

// **Good visibility**

- Reduced dashboard height
- Balustrade with unobstructed view over the top
- New arrangement of chains and hydraulic hoses behind the mast profile



2-WHEEL AND 4-WHEEL DRIVE THERMAL ALL-TERRAIN TRUCK



FD2RT/FD4RT25-35 - RELIABILITY AND SAFETY



The robust steel chassis, axles, mast and overhead guard provide maximum strength and stability.



The optimised heat dissipation channel allows a larger radiator to be used, ensuring reliable engine operation even in the most demanding applications.



The large LED display and CAN Bus function provide real-time information on the truck's status: parking brake, direction of travel, speed, hour counter, and error codes, fuel level etc...



Operator presence system (OPS) - When the operator is not in the driver's seat, the hydraulic controls are activated. The lifting and tilting mechanisms lock automatically and travel is disabled.



Cast-iron axles increase the load-bearing capacity and improve the truck's structure, while extending its service life.



The controller, which incorporates all the electrical components, is protected from temperature, water and vibration by a special, easily accessible casing.



FD2RT/FD4RT25-35 - HIGH VISIBILITY-ERGONOMIC-SILENT.



The layout of the mast and the use of compact uprights give the FDRT series trucks maximum visibility and enhanced working comfort for the operator.



The large, ergonomic and user-friendly cab ensures a comfortable working environment. the operator throughout the job. The low height of the entrance gives the operator easy and safe access to his driving position.

A luxury suspension seat, fully adjustable, reduces the vibrations experienced by the driver, making it possible to effectively reduce driver fatigue, whatever the size of the driver.



Fully hydrostatic power steering (FHPS) on demand ensures smooth, precise steering.

FD2RT/FD4RT25-35 - HIGH VISIBILITY-ERGONOMIC-SILENT



The angle of the steering column is easily adjusted using a lever on the left-hand side of the steering column.



Equipped with LED lamps as standard: rear work lights, headlights, strobe lights and blue LED safety lights. Standard lighting provides optimum visibility and safety.



The optimised pedal position ensures operator comfort throughout the job, while reducing operator fatigue.



Two USB connectors for charging and powering additional devices during operation.



Large-diameter tyres ensure a comfortable ride.



FD2RT/FD4RT25-35 - EASY MAINTENANCE



Quick access to the engine and other components thanks to a gas-assisted bonnet and integrated bonnet lock. Opens wide to allow full access to the engine compartment.



The cyclonic pre-filter removes 90% of impurities, debris, dust and dirt from the intake air before the air reaches the filter element. This reduces engine wear, minimises downtime and improves fuel economy. of fuel.

FD2RT/FD4RT25-35 - H I G H EFFICIENCY AND PERFORMANCE



LS Mtron motor

56 HP/2,300 rpm

High-power motor - LS Mtron High performance, durability and excellent energy efficiency. Motor type: L3

Model: L4CRTV4 (EUV)

Number of cylinders: 4

Bore x stroke: 88 mm x 103 mm

Displacement: 2,505 cc

Rated power: 42(56hp)/2300kw/rpm Rated torque: 208/1600N.m/rpm

LS Mtron diesel engines, the benchmark in their field, meet EURO 5 exhaust emission standards.

The hydraulic power pack that equips FDRT forklift trucks comes from Shimadzu, the Japanese leader in its field.



FD2RT/FD4RT25-35 - SPECIFICATIONS



121° turning radius



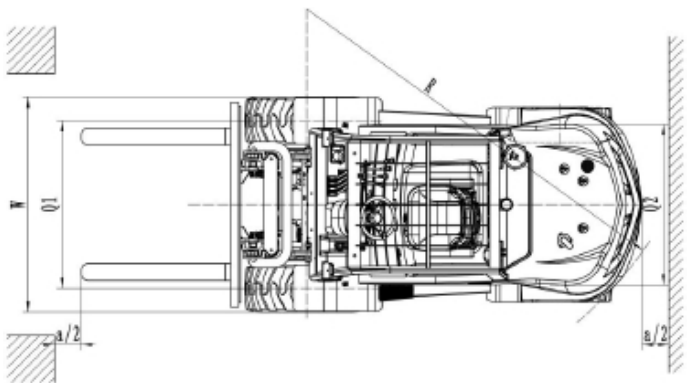
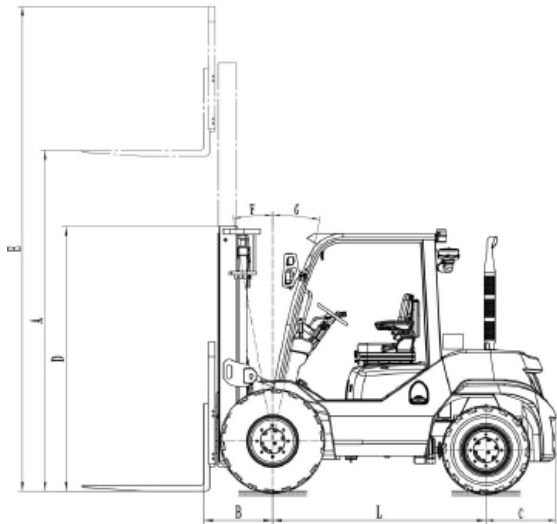
to
45 %
at full load



Mast table FD2RT/FD4RT25-35

2500-3500kg

Masts		Type	Lifting height on forks (mm)	Total height with mast lowered	Free lift on forks (mm)		front overhang	Mast tilt angle front/rear	Capacity at max. height Height (kg)	
					with support	un-supported			without sideshift carriage	with side-shift carriage
Duplex	3.00m	FD2RT/4RT25	3000	2230	165	165	580	10/12°	2500	2500
		FD2RT/4RT35		2325	170	170	595	10/12°	3500	3300
	3.30m	FD2RT/4RT25	3300	2380	165	165	580	10/12°	2500	2500
		FD2RT/4RT35		2475	170	170	595	10/12°	3500	3300
	3.50m	FD2RT/4RT25	3500	2485	165	165	580	10/12°	2500	2500
		FD2RT/4RT35		2575	170	170	595	10/12°	3500	3200
	4.00m	FD2RT/4RT25	4000	2780	165	165	580	10/12°	2500	2500
		FD2RT/4RT35		2875	170	170	595	10/12°	3400	3100
	4.50m	FD2RT/4RT25	4500	3030	165	165	580	10/12°	2200	2100
		FD2RT/4RT35		3125	170	170	595	10/12°	3100	2900
Triplex Large free lift	4.00m	FD2RT/4RT25	4000	2075	893	1338	585	10/12°	2500	2400
		FD2RT/4RT35		2200	895	1340	615	10/12°	3500	3100
	4.35m	FD2RT/4RT25	4350	2200	1018	1463	585	10/12°	2400	2200
		FD2RT/4RT35		2325	1020	1466	615	10/12°	3000	2900
	4.70m	FD2RT/4RT25	4700	2315	1133	1578	585	10/12°	2100	1900
		FD2RT/4RT35		2440	1135	1580	615	10/12°	2800	2500
	5.00m	FD2RT/4RT25	5000	2450	1268	1716	585	6/6°	1900	1600
		FD2RT/4RT35		2575	1270	1715	615	6/6°	2600	2300
	6.00m	FD2RT/4RT25	6000	2800	1618	2063	585	6/6°	1200	800
		FD2RT/4RT35		2925	1620	2065	615	6/6°	1900	1600
	6.50m	FD2RT/4RT25	6500	3015	1833	2278	585	6/6°	700	400
		FD2RT/4RT35		3140	1835	2280	615	6/6°	1300	1100



Identification								
1.1	Transmission type			4WD		2WD		
1.2	Model			FD4RT25	FD4RT35	FD2RT25	FD2RT35	
1.3	Transmission: electric (battery or mains), diesel, petrol, manual		kg	Diesel				
1.4	Rated load capacity		kg	2500	3500	2500	3500	
1.5	Load centre of gravity		mm	500				
1.6	Wheelbase		mm	1880				
Features and dimensions								
2.1	Lift height		h3(mm)	165	170	165	170	
2.2	Fork dimensions	L x W x H	mm	1070x122x40	1070x125x45	1070x122x40	1070x125x45	
2.3	Minimum/maximum fork spacing	Min./Max.	b3(mm)	250-1310	250-1500	250-1310	250-1500	
2.4	Mast tilt angle	forks, front/rear	a/b(°)	10/12				
2.5	Minimum ground clearance		m2(mm)	220				
2.6	General dimensions	Length to fork face (without fork)	l2(mm)	3070	3085	3070	3085	
2.7		Total width	b1/ b2(mm)	1450	1600	1557	1600	
2.8		Lowered mast height	h1(mm)	2230	2325	2230	2325	
2.9		Height of extended mast (with backrest)	h4(mm)	4170	4300	4170	4300	
2.10	Turning radius		Wa(mm)	3080	3080	2859	2859	
2.11	Minimum width of stacking aisle at right angles		Ast(mm)	2630	2690	2680	2690	
Pneumatic								
25	Tyres	Before		12-16.5-12PR	14-17.5-14PR	12-16.5-12PR	12-16.5-12PR	
26		Rear		10.0/75-15.3	10.0/75-15.3	27x10-12-12PR	27x10-12-12PR	
27	Tread	Before	mm	1125	1250	1250	1250	
28		Rear	mm	1198	1198	1205	1205	
29	Wheelbase		mm	1880	1880	1880	1880	
30	Dead weight		kg	4850	5460	4500	5180	
Weight								
4.1	Axle load	With charges	Front axle	kg	6600	7750	6000	7700
4.2			Rear axle	kg	750	1200	1000	980
4.3		Without charges	Front axle	kg	2180	2500	1810	2070
4.4			Rear axle	kg	2670	2960	2690	3110
Performance								
3.1	Travel speed with/without load		km/s	19/20	18/19	19/20	21/22	
3.2	Speed	Survey (with/without load)	mm/s	600/620	480/500	570/590	450/470	
3.3		Lowering (with/without load)	mm/s	400				
3.4	Maximum tractive effort (laden)			38		17		
3.5	Maximum gradient (loaded)		%	50	45	20	16	
Power and transmission								
5.1	Battery	Voltage / Capacity	V/Ah	12/90				
5.2	Transmission	Stadium	f/R	2/1				
5.3	Operating pressure		Mpa	20				



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