

Built for Rough Terrain

**Nexen Rough Terrain
Forklift 1800kg-5000kg**

2WD • Compact 4WD • 4WD

**Semi-Rough Terrain
Forklift 2500kg**

2WD



Nexen Rough Terrain Forklift Introduction

2WD

**Strong flexibility
on all terrains**

100% differential lock.



4WD

**Superior performance
in extreme conditions**

Traditional technology while
imported key components:
DANA integrated trans-axle,
Sauer Danfoss hydrostatic
system, tilting cabin.





Compact 4WD

**Designed specifically
for where space is
at a premium.**

The ideal machine
for confined spaces.

Nexen Semi-Rough Terrain Forklift Introduction



Semi-Rough 2WD

**A cost effective alternative
to a full rough terrain
machine.**

Ideal when forklift truck operators
don't require a fully blown all-wheel
drive forklift truck to operate on a
less than ideal surface.

Nexen Rough Terrain Forklift Introduction

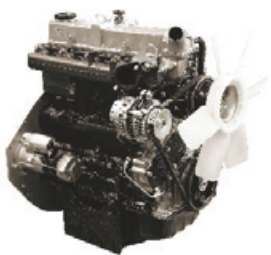
Engine

World renowned brands engine for superior performance.

MITSUBISHI S4S

Rated output **35.3kw/2250rpm** >

Rated torque **182N.m/1800rpm** >



YANMAR 4TNE98

Rated output **42.1kw/2300rpm** >

Rated torque **196.3N.m/1700rpm** >



PERKINS 1104C-44TA

Rated output **74.5kw/2300rpm** >

Rated torque **415N.m/1350rpm** >



Fully Isolated Cabin

A superior full floating overhead guard is installed with rubber damping instead of the traditional rigid design. This greatly reduces machine vibration and offers a smoother ride over rough terrain and reduces operator fatigue.



Wide-view Mast

Wide-view mast provides excellent through-the-mast visibility improving the work efficiency and allowing safe operation of the forklift.



High Quality Tyres

Industrial tyres with a wide footprint giving it greater stability and lift capacity in rough work environments.



Upward Steering Cylinder (Compact 4WD)

Lay the steering cylinder upward to make the turning radius smaller and rear wheel steering angle bigger.



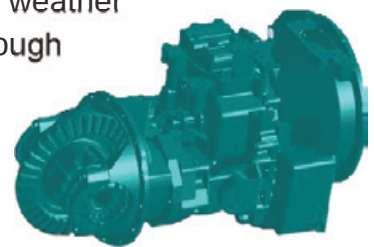
High Ground Clearance

Offer greater maneuverability and keep the machine moving in the roughest of applications.



100 % Differential Lock (2WD)

Power shift transmission with jaw type 100% differential lock provides ultimate traction during inclement weather conditions and rough operating surfaces.



Tilting Overhead Guard (4WD)

Equipped as standard with a tilting overhead guard, to ensure easy access to major components for inspection and service.



Our Solution, Your Decision

		2WD				
	YES  / NO 	1.8T	2.5T	3.5T	4T	5T
Body	Floated Overhead Guard					
	4WD-2WD Rocker Switch					
	Industrial Tyres (F/R)	 / 	 / 	 / 	 / 	 / 
	Suspension Pedal					
	Truck Width (mm)	1450	1557.5	1600	2067	2067
	Loaded into 20GP Container			 (Deflate the tyres)		
	External Type Steering Cylinder					
	With Prefilter					
	LED Lights	Standard				
	Safety Start System*	Standard				
	Suspension Seat	Option				
	OPS system	Option				
	Performance	Engine	YANMAR 4TNE98/MITSUBISHI S4S		YANMAR 4TNE98	Perkins 1104C-44TA/1104D-44TA
Gradeability		20%	20%	16%	30%	
Gradient		11.3°	11.3°	9°	16.7°	
Min.Turning Radius(mm)		2840	2870	2870	3550	
Transmission Model		Hydraulic				
Differential Lock Type		Jaw Type Differential Lock				
Differential Ratio		100%				

Safety Start System* The truck can't start if any below: 1-operator leaves the seat, 2-seatbelt unfastened, 3-hand brake released, 4-not in N position.

Compact 4WD			4WD	
1.8T	2.5T	3.5T	2.5T	3.5T
○			○	
○			○	
○ / ○	○ / ○	○ / ○	○ / ○	○ / ○
○			○	
1450	1450	1600	1980	1980
○ (Deflate the tyres)	●	●	●	●
○			○	
○			○	
Standard			Standard	
Standard			Standard	
Option			Standard	
Option			Option	
YANMAR 4TNE98/	mitsubishi S4S	YANMAR 4TNE98	YANMAR 4TNE98	
80%/60%	50%	45%	38%	38%
38.6°/31°	26.5°	24.2°	20.8°	20.8°
3120	3120	3120	4275	4295
Hydraulic			Hydrostatic	
Limited Slip Differential Lock			Limited Slip Differential Lock	
45%			45%	



Forklift Specification

2WD 1.8T/2.5T/3.5T									
						2WD	2WD	2WD	
General	1	Model				FD18RT	FD25RT	FD35RT	
	2	Power type				Diesel			
	3	Rated capacity			Kg	1800	2500	3500	
	4	Load centre			mm	500			
Characteristic&Dimension	5	Lifting height			mm	3000			
	6	Height			mm	105	160	165	
	7	Fork size	L×W×T		mm	1070×100×35	1070x122x40	1220x122x45	
	8	Fork regulating range	Min./Max.		mm	200-1000	250-1160	250-1160	
	9	Mast tilt angle	F/R		Deg	10/12			
	10	Front overhang			mm	509	586	601	
	11	Rear overhang			mm	520	520	520	
	12	Min.ground clearance(drive steer axle)			mm	255	270	270	
	13	Overall dimensions	Length to face of fork (without fork)		mm	2990	2946	2956	
	14		Overall width		mm	1450	1557.5	1600.5	
	15		Mast lowered height		mm	2148	2265	2330	
	16		Mast extended height (with backrest)		mm	4170	4175	4305	
	17		Overhead guard height		mm	2260	2256.5	2276	
	18	Turning radius			mm	2840	2870	2870	
	19	Min. right angle stacking aisle width	Pallet size a ₁₂ =1000,b ₁₂ =1200		mm	4760	4860	4870	
			Pallet size a ₁₂ =1200,b ₁₂ =800		mm	4360	4460	4470	
Performance	20	Speed	Travel(Laden/Unladen)		Km/h	20/18	20/18	22/22	
	21		Lifting(Laden)		mm	610	600	450	
	22		Lowering(Laden)		mm	450	445	500	
	23	Max. Drawbar pull(Laden)			KN	13	17	17	
	24	Max. Gradeability(Laden)			%	20	20	16	
Tyre	25	Tyre	Front			12-16.5-12PR	12-16.5-12PR	14-17.5-14PR	
	26		Rear			27×10-12-12PR	27×10-12-12PR	27×10-12-12PR	
	27	Tread	Front		mm	1123	1250.5	1250.5	
	28		Rear		mm		1205		
	29	Wheelbase			mm	1880			
Weight	30	Self weight			kg	3960	4465	5180	
	31	Weight Distribution	Laden	Front axle	kg	4954	5990	7725	
	Rear axle			kg	806	975	955		
	33		Unladen	Front axle	kg	1584	1785	2070	
	34			Rear axle	kg	2376	2680	3110	
Power&Transmission	35	Battery	Voltage/Capacity		V/Ah	12/90	12/90	12/90	
	36	Engine	Model			4TNE98-BQFLC			
	37		Manufacture			YANMAR			
	38		Rated output/r.p.m.		Kw	42.1/2300			
	39		Rated torque/r.p.m.		N.m	196.3/1700			
	40		No. of cylinder			4			
	41		Bore×Stroke		mm	98×110			
	42		Displacement		L	3.318			
	43		Fuel tank capacity		L	55			
	44	Transmission	Manufacture			China			
	45		Type			Powershift	Powershift	Powershift	
	46		Stage	F/R		1/1	1/1	1/1	
	47	Operating pressure			Mpa	16.5	20	20	

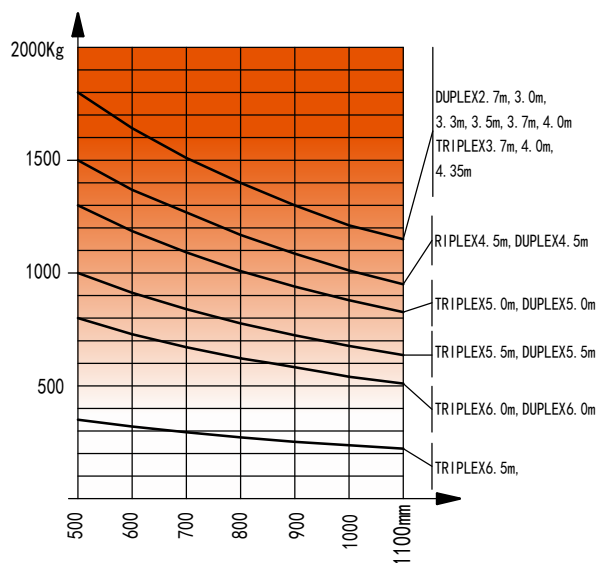
Compact 4WD 1.8T/2.5T/3.5T

General	1	Model			FD18RT	FD25RT	FD18RT	FD25RT	FD35RT	
	2	Power type			Diesel					
	3	Rated capacity		Kg	1800	2500	1800	2500	3500	
	4	Load centre		mm	500	500	500	500	500	
Characteristic&Dimension	5	Lifting height		mm	3000	3000	3000	3000	3000	
	6	Free lift		mm	105	160	105	160	165	
	7	Fork size	L×W×T	mm	1070×100×35	1070×122×40	1070×100×35	1070×122×40	1220×122×45	
	8	Fork regulating range	Min./Max.	mm	200-1315	250-1310	200-1315	250-1310	250-1500	
	9	Mast tilt angle	F/R	Deg	10/12					
	10	Front overhang		mm	520	586	520	586	601	
	11	Rear overhang		mm	600					
	12	Min.ground clearance(drive steering axle)		mm	219					
	13	Min.ground clearance(chassis) (Unladen/Laden)		mm	230/215	230/215	230/215	230/215	224/230	
	14	Min.ground clearance(mast) (Unladen/Laden)		mm	275/250	270/255	275/250	270/255	270/250	
	15	Ground clearance (drawbar pin)		mm	354.5	354.5	354.5	354.5	430	
	16	Height from seat surface to overhead guard inner side		mm	990	990	990	990	1043	
	17	Overall dimensions	Length to face of fork (without fork)	mm	3000	3066	3000	3066	3081	
	18		Overall width	mm	1450	1450	1450	1450	1600	
	19		Mast lowered height	mm	2145	2235	2145	2235	2330	
	20		Mast extended height (with backrest)	mm	4140	4175	4140	4175	4305	
	21		Overhead guard height	mm	2256	2256	2256	2256	2276	
	22	Turning radius		mm	3120	3120	3120	3120	3120	
	23	Min. right angle stacking aisle width	Pallet size a ₁₂ =1000,b ₁₂ =1200	mm	4629	4706	4629	4706	4921	
	24		Pallet size a ₁₂ =1200,b ₁₂ =800	mm	4829	4906	4829	4906	4871	
	25	Min. right angle stacking aisle width(pallet size a ₁₂ =1200,b ₁₂ =1200)		mm	2670		2670		2725	
	Performance	26	Speed	Travel(Unladen/Laden)	Km/h	18/17	18/17	20/19	20/19	19/18
		27		Lifting(Unladen/Laden)	mm	620/590	620/570	640/610	650/600	510/485
		28		Lowering(Unladen/Laden)	mm	420/450	510/450	420/450	510/450	500/450
		29	Max. Drawbar pull		KN	31	38	38	38	38
30		Max. Gradeability		%	60	50	80	50	45	
31		Braking distance		m	≤6		≤6		≤6	
Tyre	32	Tyre	Front		12-16.5-12PR		12-16.5-12PR		14-17.5L-14PR	
	33		Rear		10.0/75-15.3		10.0/75-15.3		10.0/75-15.3	
	34	Tyre pressure(Front/Rear)		Mpa	0.62/0.55		0.62/0.55		0.55/0.55	
	35	Tread	Front	mm	1123		1123		1250	
	36		Rear	mm	1190		1190		1190	
	37	Ground clearance (Front tyre centre)(Unladen/Laden)		mm	405.5/385		405.5/385		450.5/425	
	38	Ground clearance (Rear tyre centre)(Unladen/Laden)		mm	370/350		370/350		370/385	
	39	Wheelbase		mm	1880		1880		1880	
	Weight	40	Self weight		kg	4255	4830	4255	4830	5545
41		Weight Distribution	Laden	Front axle	kg	4602	6597	4602	6597	7872
42				Rear axle	kg	1453	733	1453	733	1073
43			Unladen	Front axle	kg	1702	2173	1702	2173	2345
44				Rear axle	kg	2553	2657	2553	2657	3100
Power&Transmission	45	Battery	Voltage/Capacity		V/Ah	12/90				
	46	Engine	Model			S4S		4TNE98-BQFLC		
	47		Manufacture			MITSUBISHI		YANMAR		
	48		Rated output/r.p.m.		Kw	35.3/2250		42.1/2300		
	49		Rated torque/r.p.m.		N.m	182/1800		196.3/1700		
	50		No. of cylinder			4		4		
	51		Bore×Stroke		mm	94×120		98×110		
	52		Displacement		L	3.331		3.318		
	53		Fuel tank capacity		L			55		
	54	Transmission	Manufacture			China		China		
	55		Type			Powershift		Powershift		
	56		Stage	F/R		2/1		2/1		
	57	Operating pressure			Mpa	16.5	20	16.5	20	20

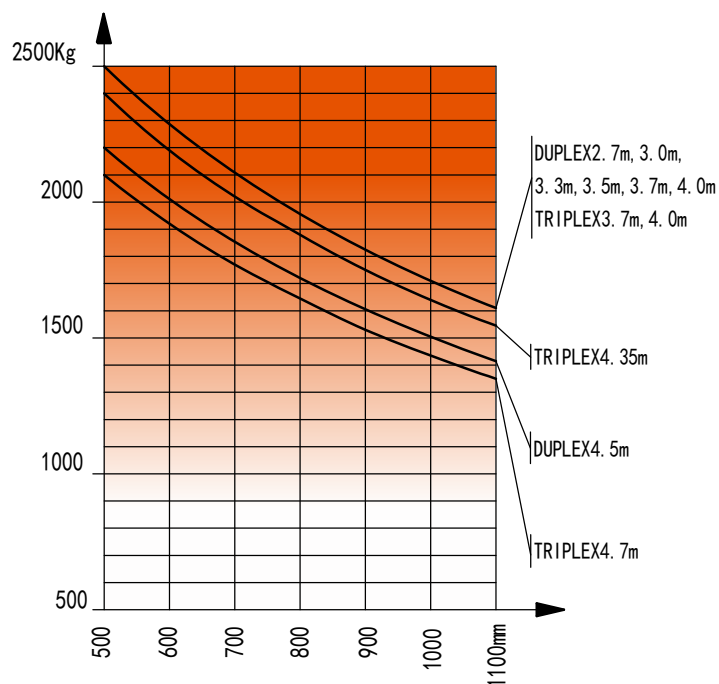
Mast Specification

Type	Model	Max. fork height	Overall height			Free lift					
			Lowered			With backrest			Without backrest		
			1.8T	2.5T	3.5T	1.8T	2.5T	3.5T	1.8T	2.5T	3.5T
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
wide view 2-stage mast	M270	2700	1998	2085	2180	105	160	165	105	160	165
	M300	3000	2148	2235	2330	105	160	165	105	160	165
	M330	3300	2298	2385	2480	105	160	165	105	160	165
	M350	3500	2398	2485	2580	105	160	165	105	160	165
	M370	3700	2498	2585	2680	105	160	165	105	160	165
	M400	4000	2698	2785	2880	105	160	165	105	160	165
	M450	4500	2948	3035	3130	105	160	165	105	160	165
	M500	5000	3198	—	—	105	—	—	105	—	—
	M550	5500	3498	—	—	105	—	—	105	—	—
	M600	6000	3748	—	—	105	—	—	105	—	—
Full free 3-stage mast	TFM360	3600	1908	—	—	725	—	—	1105	—	—
	TFM370	3700	—	1990	2115	—	798	790	—	1243	1246
	TFM400	4000	2033	2080	2205	850	888	890	1230	1333	1336
	TFM435	4350	2158	2205	2330	980	1013	1015	1360	1458	1461
	TFM450	4500	2208	—	—	1030	—	—	1410	—	—
	TFM470	4700	—	2320	2445	—	1128	1130	—	1573	1576
	TFM480	4800	2308	—	—	1130	—	—	1510	—	—
	TFM500	5000	2408	2455	2580	1230	1263	1265	1610	1708	1710
	TFM550	5500	2573	2620	2745	1390	1428	1430	1770	1873	1875
	TFM600	6000	2758	2805	2930	1580	1613	1615	1960	2058	2060
	TFM650	6500	2973	3020	3145	1790	1828	1830	2180	2273	2275

Load Capacity



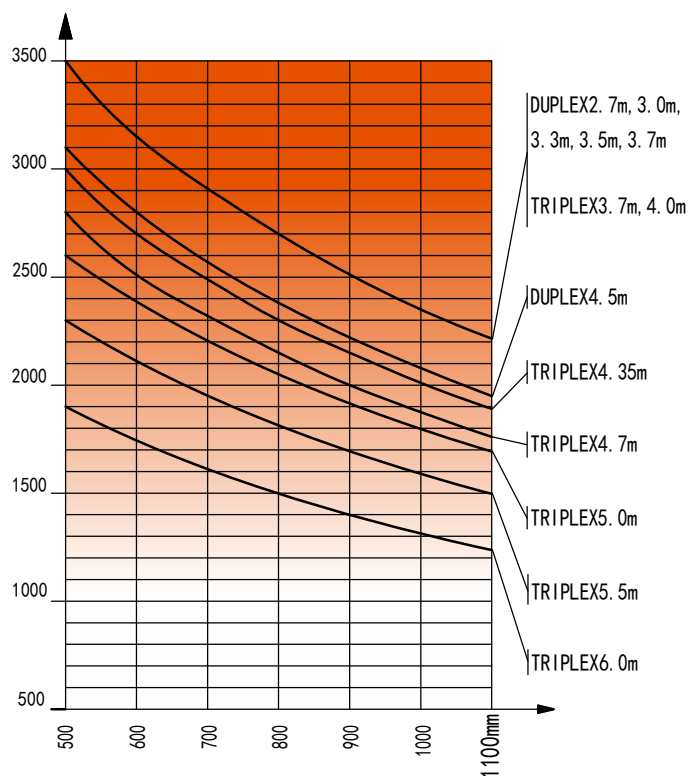
1.8T Load Chart



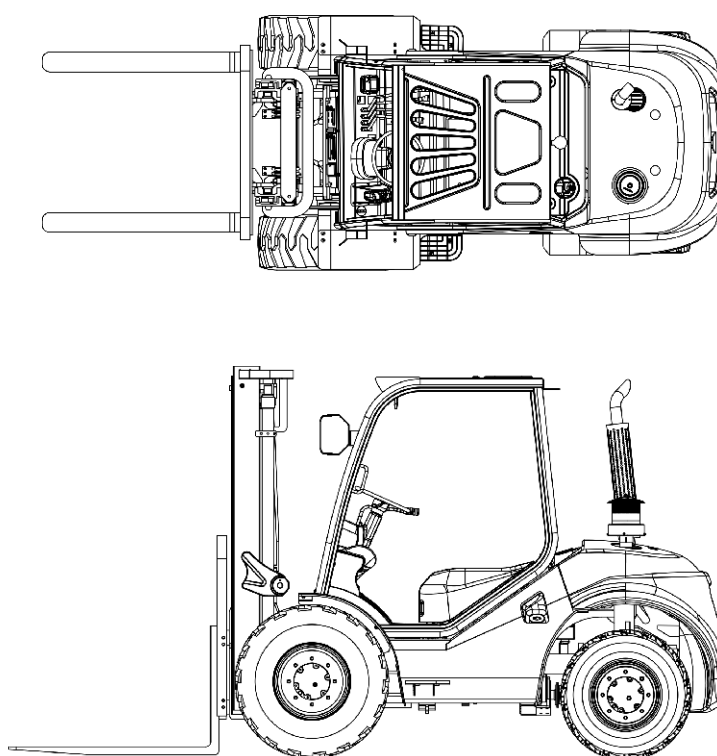
Load Curve

2.5T Load Chart

Front Overhang			Tilt range		Capacity at max. height					
					Load Center 500mm					
			FWD	BWD	Without side shift carriage			With side shift carriage		
1.8T	2.5T	3.5T			1.8T	2.5T	3.5T	1.8T	2.5T	3.5T
mm	mm	mm	Deg	Deg	kg	kg	kg	kg	kg	kg
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3500	1800	2500	3200
509	585	600	10°	12°	1800	2500	3400	1800	2500	3100
509	585	600	10°	12°	1500	2200	3100	1400	2100	2900
509	—	—	6°	6°	1300	—	—	1200	—	—
509	—	—	6°	6°	1000	—	—	900	—	—
509	—	—	6°	6°	800	—	—	400	—	—
509	—	—	10°	12°	1800	—	—	1800	—	—
—	590	620	—	—	—	2500	3500	—	2400	3100
509	590	620	10°	12°	1800	2500	3400	1800	2400	3100
509	590	620	10°	12°	1800	2400	3000	1600	2200	2900
509	—	—	10°	12°	1500	—	—	1400	—	—
—	590	620	—	—	—	2100	2800	—	1900	2500
509	—	—	10°	12°	1400	—	—	1300	—	—
509	590	620	6°	6°	1300	1900	2600	1200	1600	2300
509	590	620	6°	6°	1000	1500	2300	900	1200	2100
509	590	620	6°	6°	800	1200	1900	400	800	1600
509	590	620	6°	6°	350	700	1300	200	400	1100



3.5T Load Chart

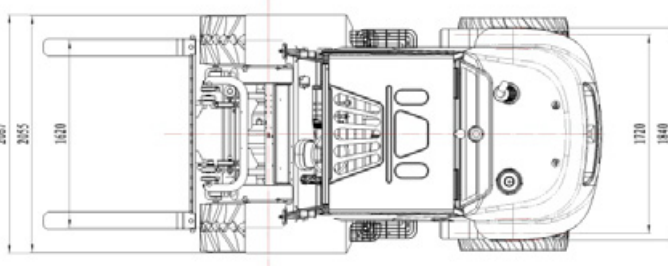
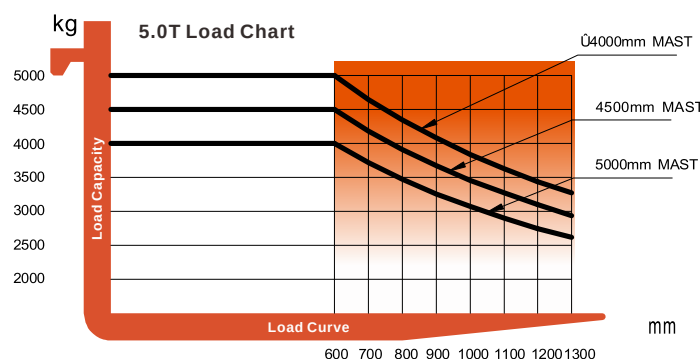
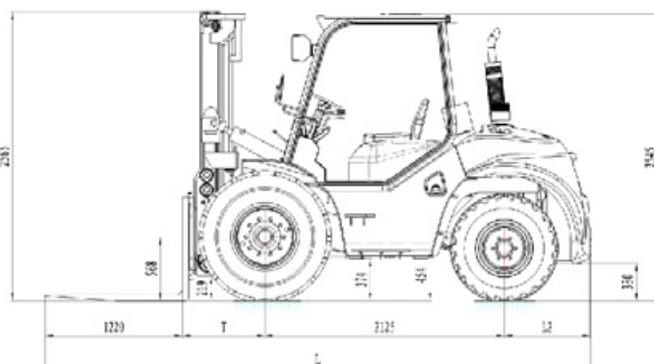
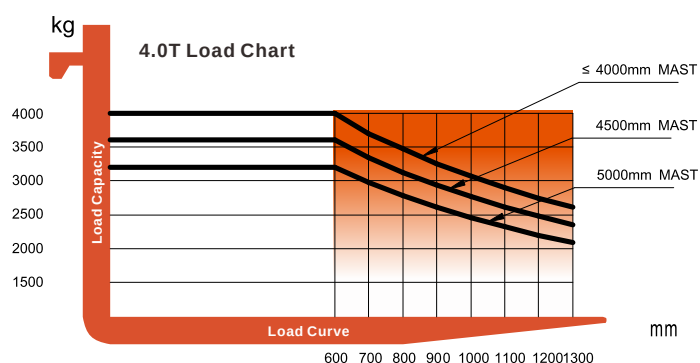


Forklift Specification

2WD 4T/5T						
General	1	Model			FD40RT	FD50RT
	2	Power type			Diesel	Diesel
	3	Rated capacity		Kg	4000	5000
	4	Load centre		mm	600	600
Characteristic&Dimension	5	Lifting height		mm	3000	3000
	6	Free lift height		mm	145	145
	7	Fork size	L×W×T	mm	1220*150*50	1220*150*55
	8	Fork regulating range	Min./Max.	mm	300/1954	300/1954
	9	Mast tilting range	F/R	Deg	15°/15°	15°/15°
	10	Front overhang		mm	732	732
	11	Rear overhang		mm	764	764
	12	Ground clearance	Middle of frame(Unladen/Laden)	mm	374/354	374/354
	13		Bottom of mast(Unladen/Laden)	mm	320/320	320/320
	14	Overall dimensions	Length to face of fork(without fork)	mm	3622	3622
	15		Overall length(with fork)	mm	4837	4837
	16		Wheel width	mm	2055	2055
	17		Frame width	mm	2067	2067
	18		Mast lowered height	mm	2565	2565
	19		Mast extended height(with backrest)	mm	4170	4170
	20		Overhead guard height	mm	2545	2545
	21	Min. turning radius		mm	3550	3550
Performance	22	Speed	Travel(Unladen/Laden)	Km/h	22/21	22/21
	23		Lifting(Unladen/Laden)	mm/s	570/500	570/500
	24	Pressure	Laden lifting(normal/max)	Mpa	15.6/19	15.6/19
	25		Unladen lifting(normal/max)	Mpa	2.6/19	2.6/19
	26		Laden tilting(normal/max)	Mpa	front 1;rear 12/front 19; rear 19	
	27	Max. Drawbar pull(Laden/unladen)		KN	50	50
	28	Gradeability(Laden/unladen)		%	30	30
Tyre	29	Tyre	Front		445-65-22.5PR/1175	445-65-22.5PR/1175
			Rear		12.5/80-18/958	12.5/80-18/958
	30	Tread	Front	mm	1620	1620
			Rear	mm	1720	1720
Weight	31	Wheelbase		mm	2125	2125
	32	Self weight		kg	7960	8450
	33	Braking distance		m	≤6	≤6
Power&Transmission	34	Engine	Model		1104C-44T	1104C-44T
	35		Manufacture		PERKINS	PERKINS
	36		Rated output/r.p.m.	Kw	74.5/2300	74.5/2300
	37		Rated torque/r.p.m.	N.m	415/1350	415/1350
	38		No. of cylinder		4	4
	39		Bore×Stroke	mm	105×127	105×127
	40		Displacement	L	4.4	4.4
	41	Transmission	Manufacture		China	China
	42		Type		Powershift	Powershift
	43		Stage	F/R	2/1	2/1

Mast Specification

Type	Model	Max. fork height	Overall height Lowered	Free lift		Front Overhang		Tilt range		Capacity			
				With backrest	Without backrest	4.0T	5.0T	FWD	BWD	capacity at max. height			
										Without side shift carriage		With side shift carriage	
										4.0T	5.0T	4.0T	5.0T
		mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg	kg	kg
wide view 2-stage mast	M300	3000	2565	145	145	727	732	15	15	4000	5000	3600	4700
	M330	3300	2715	145	145	727	732	15	15	4000	5000	3600	4700
	M350	3500	2815	145	145	727	732	15	15	4000	5000	3600	4700
	M370	3700	2915	145	145	727	732	15	15	4000	5000	3600	4700
	M400	4000	3115	145	145	727	732	15	15	4000	5000	3600	4700
	M450	4500	3365	145	145	727	732	15	15	3600	4500	3240	4050
	M500	5000	3615	145	145	727	732	15	15	3200	4000	2800	3600
Full free 3-stage mast	TFM400	4000	2560	1000	1350	760	765	15	15	4000	5000	3600	4500
	TFM435	4350	2685	1125	1475	760	765	15	15	3600	4500	3240	4050
	TFM450	4500	2736	1176	1526	760	765	15	15	3200	4000	2880	3600
	TFM470	4700	2802	1242	1592	760	765	15	15	2950	3700	2680	3350
	TFM500	5000	2935	1375	1725	760	765	10	15	2640	3300	2360	2950
	TFM540	5400	3060	1500	1850	760	765	10	15	1920	2400	1720	2150
	TFM600	6000	3300	1740	2090	760	765	10	15	1600	2000	1400	1800

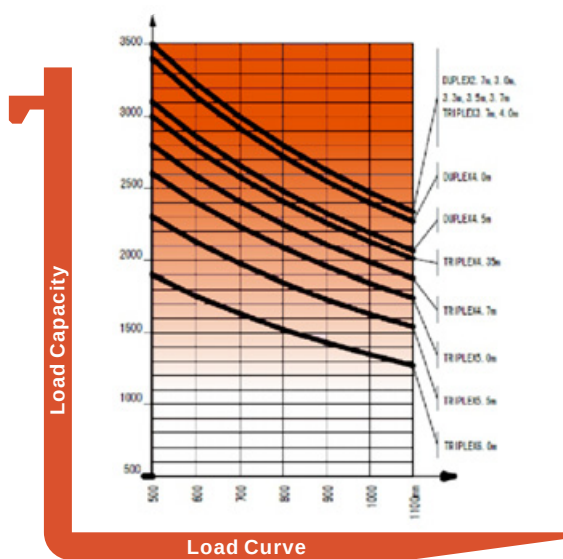
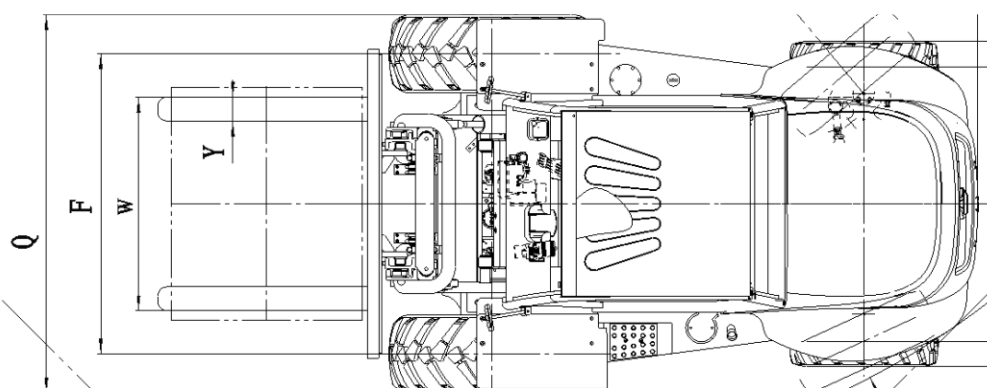


Forklift Specification

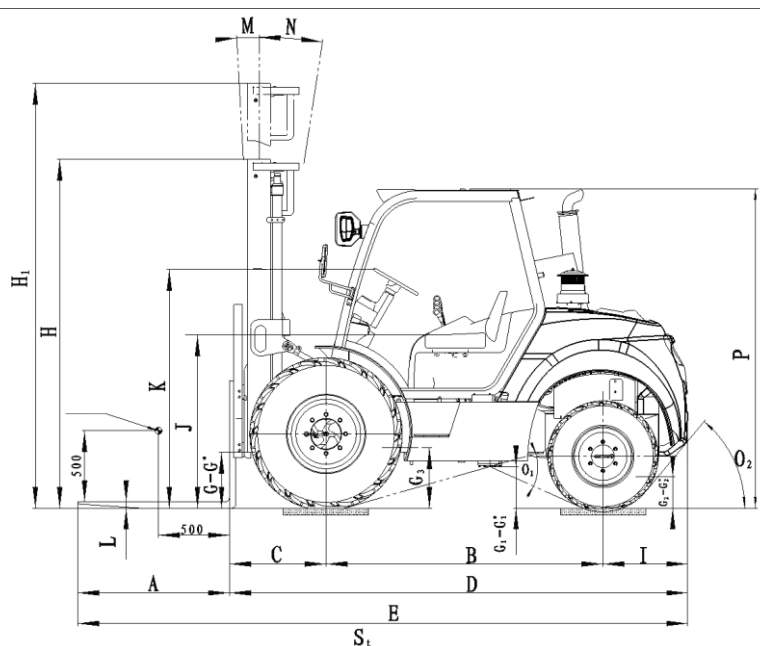
4WD 2.5T/3.5T								
General	1	Model			FD25RT	FD35RT		
	2	Power type			diesel	diesel		
	3	Rated capacity		Kg	2500	3500		
	4	Load centre		mm	500	500		
Characteristic&Dimension	5	Lift height		mm	3000	3000		
	6	Free lift height		mm	160	165		
	7	Fork size	L×W×T		mm	1070×125×40	1220×125×45	
	8	Fork regulating range	Min./Max.		mm	250-1560	250-1560	
	9	Mast tilt range	F/R		Deg	10/12	10/12	
	10	Front overhang		mm	680	680		
	11	Rear overhang		mm	590	597		
	12	Min.ground clearance		mm	394.5	410		
	13	Overall dimensions	Length to face of fork (without fork)		mm	3182	3227	
	14		Overall width		mm	1980	1980	
	15		Mast lowered height		mm	2454	2470	
	16		Mast extended height (with backrest)		mm	4270	4400	
	17		Overhead guard height		mm	2250	2250	
	18	Min. turning radius		mm	4275	4295		
	19	Min. right angle stacking aisle width(add load length and clearance)		mm	8375	8395		
Performance	20	Speed	Travel(Unladen)		Km/h	20	20	
	21		Lifting(Laden)		mm/s	540	450	
	22		Lowering(Laden)		mm/s	630	540	
	23	Max. Drawbar pull(Laden/unladen)		KN	34.3	34.3		
	24	Max. Gradeability(Loaden)		%	38	38		
Tyre	25	Tyre	Front			405/70-20-14PR	405/70-20TL	
	Rear			10.0/75-15.3-14PR	10.0/75-15.3			
	26	Tread	Front		mm	1570	1570	
	Rear		mm	1440	1440			
	27	Wheelbase		mm	1950	1950		
Weight	28	Self weight		kg	4900	5750		
	29	Weight Distribution	Laden	Front axle		kg	6290	7990
	Rear axle			kg	1110	1260		
	30		Unladen	Front axle		kg	2265	2450
	31			Rear axle		kg	2635	3300
Power&Transmission	33	Battery	Voltage/Capacity		V/Ah	12/90		
	34	Engine	Model			4TNE98-BQFLC		
	35		Manufacture			YANMAR		
	36		Rated output/r.p.m.		Kw	42.1/2300		
	37		Rated torque/r.p.m.		N.m	196.3/1700		
	38		No. of cylinder			4		
	39		Bore×Stroke		mm	98×110		
	40		Displacement		L	3.319		
	41		Fuel tank capacity		L	3.319		
	42	Transmission	Manufacture			DANA		
	43		Type	Front axle			112	
	44			Rear axle			211	
	45			Transfer case			311	
	46		Stage	F/R			1/1	
	47	Static system pressure		Mpa	40			
	48	Operating pressure(For attachments)		Mpa	20			
	49	Min.right angle stacking aisle width		mm	2980	3000		

Mast Specification

Type	Model	Overall height		Free lift				Front Overhang		Tilt range		Capacity			
		Lowered		With backrest		Without backrest		2.5T	3.5T	FWD	BWD	capacity at max. height			
		2.5T	3.5T	2.5T	3.5T	2.5T	3.5T					Without side shift carriage		With side shift carriage	
		mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	2.5T kg	3.5T kg	2.5T kg	3.5T kg
wide view 2-stage mast	M270	2320	2320	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M300	2470	2470	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M330	2620	2620	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M350	2720	2720	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M370	2820	2820	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M400	3020	3020	165	165	165	165	700	700	10	12	3400	3400	3100	3100
	M450	3270	3270	165	165	165	165	700	700	10	12	3100	3100	2900	2900
Full free 3-stage mast	TFM370	2255	2255	798	798	1243	1243	700	700	10	12	3500	3500	3100	3100
	TFM400	2345	2345	888	888	1333	1333	700	700	10	12	3500	3500	3100	3100
	TFM435	2470	2470	1013	1013	1458	1458	700	700	10	12	3000	3000	2900	2900
	TFM470	2605	2605	1128	1128	1573	1573	700	700	10	12	2800	2800	2500	2500
	TFM500	2720	2720	1263	1263	1708	1708	700	700	6	6	2800	2800	2500	2500
	TFM550	2885	2885	1428	1428	1873	1873	700	700	6	6	2500	2500	2300	2300
	TFM600	3070	3070	1613	1613	2058	2058	700	700	6	6	2100	2100	1800	1800



3.5T Load Chart



NEXEN RELEVO FDR25-SRT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine	
		Transmission	
		Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.3	Operation: hand, pedestrian, standing, seated, order-picker	
	1.4	Load capacity / rated load	Q (kg)
	1.6	Load centre distance	c (mm)
	1.8	Load distance, centre of drive axle to fork	x (mm)
WEIGHTS	1.9	Wheelbase	y (mm)
	2.1	Service Weight 	kg
	2.2	Axle loading, laden, front/ rear 	kg
WHEELS & TYRES	2.3	Axle loading, unladen, front/ rear 	kg
	3.1	Tyres: L=pneumatic, V=solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number front rear (X=driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)
DIMENSIONS	4.1	Mast tilt, α=forward / β=back (base duplex mast)	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift 	h ₂ (mm)
	4.4	Lift 	h ₃ (mm)
	4.5	Height, mast extended 	h ₄ (mm)
	4.7	Height of overhead guard (cabin) 	h ₆ (mm)
	4.8	Seat height/ stand height 	h ₇ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	L x W x T (mm)
	4.23	Fork carriage DIN 15173, class/ type A,B	
	4.24	Fork carriage width 	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.33	Aisle width for pallets 1000x1200 crossways 	Ast (mm)
	4.34	Aisle width for pallets 800x1200 crossways 	Ast (mm)
	4.35	Outer turning radius	W _a (mm)
	4.36	Inner turning radius	b ₁₃ (mm)
PERFORMANCE	5.1	Travel speed, unladen 	km/h
	5.2	Lift speed, laden 	m/sec
	5.3	Lowering speed, laden 	m/sec
	5.5	Drawbar pull, laden/unladen 	N
	5.6	Max. drawbar pull, laden 	N
	5.7	Gradeability, laden/unladen 	%
	5.8	Max. gradeability, laden 	%
	5.10	Service brake	
ENGINE	7.1	Engine manufacturer/ type	kW
	7.2	Engine power acc. to ISO 1585/DIN 6271	rpm
	7.3	Rated speed	cm ³
	7.4	Number of cylinders/ displacement	
OTHER	8.1	Type of drive control	
	8.2	Operating pressure for attachments	bar
	8.3	Oil volume for attachments	l/min
	8.4	Average noise level at operator's ear (Lpaz)	dB (A)
		Guaranteed sound power 2001/14/EC (Lwaz)	dB
	8.5	Towing coupling, type DIN	

Specification data according to VDI 2198

NEXEN	NEXEN	NEXEN	NEXEN
FDR25-SRT	FDR25-SRT	FDR25-SRT	FDR25-SRT
Relevo	Relevo	Relevo	Relevo
Yanmar 4TNE98-BQFLC	Yanmar 4TNE98-BQFLC	Cummins QSF2.8tNA49	Cummins QSF2.8tNA49
Auto Powershift	Okamura Powershift	Auto Powershift	Okamura Powershift
Diesel	Diesel	Diesel	Diesel
Seated	Seated	Seated	Seated
2500	2500	2500	2500
500	500	500	500
480	480	480	480
1760	1760	1760	1760
4255	4255	4255	4255
6480/775	6480/775	6480/775	6480/775
1765/2490	1765/2490	1765/2490	1765/2490
L	L	L	L
28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR
6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
2x /2	2x /2	2x /2	2x /2
1005	1005	1005	1005
973.5	973.5	973.5	973.5
6 / 12	6 / 12	6 / 12	6 / 12
2010	2010	2010	2010
145	145	145	145
3000	3000	3000	3000
4140	4140	4140	4140
2170 (2230*)	2170 (2230*)	2170 (2230*)	2170 (2230*)
			
			
3820	3820	3820	3820
2750	2750	2750	2750
1225	1225	1225	1225
1070x122x45	1070x122x45	1070x122x45	1070x122x45
IIIA	IIIA	IIIA	IIIA
1150	1150	1150	1150
145	145	145	145
185	185	185	185
			
			
2375	2375	2375	2375
			
18	20	18	20
0.50	0.46	0.46	0.46
0.50	0.50	0.50	0.50
			
23600	20700	21400	20200
			
20	20	20	20
Hydraulic	Hydraulic	Hydraulic	Hydraulic
Yanmar 4TNE98-BQFLC	Yanmar 4TNE98-BQFLC	Cummins QSF2.8tNA49	Cummins QSF2.8tNA49
42.1	42.1	36.5	36.5
2300	2300	2500	2500
4	4	4	4
Automatic	Automatic	Automatic	Automatic
17.5	17.5	17.5	17.5
			
			
			
Pin	Pin	Pin	Pin

NEXEN RELEVO FDR25-SRT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine	
		Transmission	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.4	Operation: hand, pedestrian, standing, seated, order-picker	
	1.5	Load capacity / rated load	Q (kg)
	1.6	Load centre distance	c (mm)
	1.8	Load distance, centre of drive axle to fork	x (mm)
WEIGHTS	1.9	Wheelbase	y (mm)
	2.1	Service Weight 	kg
	2.2	Axle loading, laden, front/ rear 	kg
WHEELS & TYRES	2.3	Axle loading, unladen, front/ rear 	kg
	3.1	Tyres: L=pneumatic, V=solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number front rear (X=driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)
DIMENSIONS	4.1	Mast tilt, α=forward / β=back (base duplex mast)	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift 	h ₂ (mm)
	4.4	Lift 	h ₃ (mm)
	4.5	Height, mast extended 	h ₄ (mm)
	4.7	Height of overhead guard (cabin) 	h ₆ (mm)
	4.8	Seat height/ stand height 	h ₇ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	L x W x T (mm)
	4.23	Fork carriage DIN 15173, class/ type A,B	
	4.24	Fork carriage width 	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.33	Aisle width for pallets 1000x1200 crossways 	Ast (mm)
	4.34	Aisle width for pallets 800x1200 crossways 	Ast (mm)
	4.35	Outer turning radius	W _a (mm)
	4.36	Inner turning radius	b ₁₃ (mm)
PERFORMANCE	5.1	Travel speed, unladen 	km/h
	5.2	Lift speed, laden 	m/sec
	5.3	Lowering speed, laden 	m/sec
	5.5	Drawbar pull, laden/unladen 	N
	5.6	Max. drawbar pull, laden 	N
	5.7	Gradeability, laden/unladen 	%
	5.8	Max. gradeability, laden 	%
	5.10	Service brake	
ENGINE	7.1	Engine manufacturer/ type	kW
	7.2	Engine power acc. to ISO 1585/DIN 6271	rpm
	7.3	Rated speed	cm ³
	7.4	Number of cylinders/ displacement	
OTHER	8.1	Type of drive control	
	8.2	Operating pressure for attachments	bar
	8.3	Oil volume for attachments	l/min
	8.4	Average noise level at operator's ear (L _{paz})	dB (A)
		Guaranteed sound power 2001/14/EC (L _{waz})	dB
	8.5	Towing coupling, type DIN	

NEXEN	NEXEN	NEXEN	NEXEN
FDR25-SRT	FDR25-SRT	FDR25-SRT	FDR25-SRT
Relevo	Relevo	Relevo	Relevo
Mitsubishi S4S-Z362CSFL	Mitsubishi S4S-Z362CSFL	Yanmar 4TNV94L-BXPHZ	Yanmar 4TNV94L-BXPHZ
Auto Powershift	Okamura Powershift	Auto Powershift	Okamura Powershift
Diesel	Diesel	Diesel	Diesel
Seated	Seated	Seated	Seated
2500	2500	2500	2500
500	500	500	500
480	480	480	480
1760	1760	1760	1760
4255	4255	4255	4255
6480/775	6480/775	6480/775	6480/775
1765/2490	1765/2490	1765/2490	1765/2490
L	L	L	L
28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR
6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
2x /2	2x /2	2x /2	2x /2
1005	1005	1005	1005
973.5	973.5	973.5	973.5
6 / 12	6 / 12	6 / 12	6 / 12
2010	2010	2010	2010
145	145	145	145
3000	3000	3000	3000
4140	4140	4140	4140
2170 (2230*)	2170 (2230*)	2170 (2230*)	2170 (2230*)
			
			
3820	3820	3820	3820
2750	2750	2750	2750
1225	1225	1225	1225
1070x122x45	1070x122x45	1070x122x45	1070x122x45
IIIA	IIIA	IIIA	IIIA
1150	1150	1150	1150
145	145	145	145
185	185	185	185
			
			
2375	2375	2375	2375
			
18	20	18	20
0.42	0.42	0.46	0.46
0.50	0.50	0.50	0.50
			
21200	20000	21400	20200
			
20	20	20	20
Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mitsubishi S4S-Z362CSFL	Mitsubishi S4S-Z362CSFL	Yanmar 4TNV94L-BXPHZ	Yanmar 4TNV94L-BXPHZ
35.3	35.3	34.6	34.6
2250	2250	2400	2400
4	4	4	4
Automatic	Automatic	Automatic	Automatic
17.5	17.5	17.5	17.5
			
			
			
Pin	Pin	Pin	Pin

Specification data according to VDI 2198

NEXEN LIBERO FDL25-SRT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine	
		Transmission	
		Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.3	Operation: hand, pedestrian, standing, seated, order-picker	
	1.4	Load capacity / rated load	Q (kg)
	1.6	Load centre distance	c (mm)
WEIGHTS	1.8	Load distance, centre of drive axle to fork	x (mm)
	1.9	Wheelbase	y (mm)
	2.1	Service Weight 	kg
WHEELS & TYRES	2.2	Axle loading, laden, front/ rear 	kg
	2.3	Axle loading, unladen, front/ rear 	kg
	3.1	Tyres: L=pneumatic, V=solid	
DIMENSIONS	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number front rear (X=driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)
	4.1	Mast tilt, α=forward / β=back (base duplex mast)	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift 	h ₂ (mm)
	4.4	Lift 	h ₃ (mm)
	4.5	Height, mast extended 	h ₄ (mm)
	4.7	Height of overhead guard (cabin) 	h ₆ (mm)
	4.8	Seat height/ stand height 	h ₇ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	L x W x T (mm)
	4.23	Fork carriage DIN 15173, class/ type A,B	
	4.24	Fork carriage width 	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
PERFORMANCE	4.33	Aisle width for pallets 1000x1200 crossways 	Ast (mm)
	4.34	Aisle width for pallets 800x1200 crossways 	Ast (mm)
	4.35	Outer turning radius	W _a (mm)
	4.36	Inner turning radius	b ₁₃ (mm)
	5.1	Travel speed, unladen 	km/h
	5.2	Lift speed, laden 	m/sec
	5.3	Lowering speed, laden 	m/sec
	5.5	Drawbar pull, laden/unladen 	N
	5.6	Max. drawbar pull, laden 	N
	5.7	Gradeability, laden/unladen 	%
ENGINE	5.8	Max. gradeability, laden 	%
	5.10	Service brake	
	7.1	Engine manufacturer/ type	kW
	7.2	Engine power acc. to ISO 1585/DIN 6271	rpm
	7.3	Rated speed	cm ³
OTHER	7.4	Number of cylinders/ displacement	
	8.1	Type of drive control	
	8.2	Operating pressure for attachments	bar
	8.3	Oil volume for attachments	l/min
	8.4	Average noise level at operator's ear (Lpaz)	dB (A)
		Guaranteed sound power 2001/14/EC (Lwaz)	dB
	8.5	Towing coupling, type DIN	

Specification data according to VDI 2198

NEXEN	NEXEN	NEXEN	NEXEN	NEXEN
FDL25-SRT	FDL25-SRT	FDL25-SRT	FDL25-SRT	FDL25-SRT
Libero	Libero	Libero	Libero	Libero
Yanmar 4TNE98	Yanmar 4TNE98	Yanmar 4TNE98	Mitsubishi S4S	Mitsubishi S4S
Powershift	Powershift	Powershift	Powershift	Powershift
Diesel	Diesel	Diesel	Diesel	Diesel
Seated	Seated	Seated	Seated	Seated
2500	2500	2500	2500	2500
500	500	500	500	500
480	480	480	480	480
1700	1700	1700	1700	1700
4350	4350	4350	4350	4350
6450/900	6450/900	6450/900	6450/900	6450/900
1750/2600	1750/2600	1750/2600	1750/2600	1750/2600
L	L	L	L	L
28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR
6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
2/2	2/2	2/2	2/2	2/2
1005	1005	1005	1005	1005
975	975	975	975	975
6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
2050	2050	2050	2050	2050
145	145	145	145	145
3000	3000	3000	3000	3000
4145	4145	4145	4145	4145
2150	2150	2150	2150	2150
				
				
3800	3800	3800	3800	3800
2730	2730	2730	2730	2730
1225	1225	1225	1225	1225
45x122x1070	45x122x1070	45x122x1070	45x122x1070	45x122x1070
3A	3A	3A	3A	3A
				
145	145	145	145	145
175	175	175	175	175
				
				
2355	2355	2355	2355	2355
				
17.2	17.6	17.6	17.2	17.6
0.49	0.49	0.49	0.49	0.49
0.50	0.50	0.50	0.50	0.50
				
21000	20500	19900	21000	20500
				
27	26	25	27	26
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Yanmar 4TNE98	Yanmar 4TNE98	Yanmar 4TNE98	Mitsubishi S4S	Mitsubishi S4S
44.3	44.3	44.3	34.4	34.4
2300	2300	2300	2250	2250
4/3319	4/3319	4/3319	4/3331	4/3331
Automatic	Okamura	MS	Automatic	Okamura
175	175	175	175	175
				
				
				
				

NEXEN LIBERO FDL25-SRT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine	
		Transmission	
		Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.3	Operation: hand, pedestrian, standing, seated, order-picker	
	1.4	Load capacity / rated load	Q (kg)
	1.6	Load centre distance	c (mm)
	1.8	Load distance, centre of drive axle to fork	x (mm)
WEIGHTS	1.9	Wheelbase	y (mm)
	2.1	Service Weight 	kg
	2.2	Axle loading, laden, front/ rear 	kg
WHEELS & TYRES	2.3	Axle loading, unladen, front/ rear 	kg
	3.1	Tyres: L=pneumatic, V=solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
DIMENSIONS	3.5	Wheels, number front rear (X=driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)
	4.1	Mast tilt, α=forward / β=back (base duplex mast)	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift 	h ₂ (mm)
	4.4	Lift 	h ₃ (mm)
	4.5	Height, mast extended 	h ₄ (mm)
	4.7	Height of overhead guard (cabin) 	h ₆ (mm)
	4.8	Seat height/ stand height 	h ₇ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	L x W x T (mm)
	4.23	Fork carriage DIN 15173, class/ type A,B	
	4.24	Fork carriage width 	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.33	Aisle width for pallets 1000x1200 crossways 	Ast (mm)
	4.34	Aisle width for pallets 800x1200 crossways 	Ast (mm)
	4.35	Outer turning radius	W _a (mm)
	4.36	Inner turning radius	b ₁₃ (mm)
PERFORMANCE	5.1	Travel speed, unladen 	km/h
	5.2	Lift speed, laden 	m/sec
	5.3	Lowering speed, laden 	m/sec
	5.5	Drawbar pull, laden/unladen 	N
	5.6	Max. drawbar pull, laden 	N
	5.7	Gradeability, laden/unladen 	%
	5.8	Max. gradeability, laden 	%
ENGINE	5.10	Service brake	
	7.1	Engine manufacturer/ type	kW
	7.2	Engine power acc. to ISO 1585/DIN 6271	rpm
	7.3	Rated speed	cm ³
	7.4	Number of cylinders/ displacement	
OTHER	8.1	Type of drive control	
	8.2	Operating pressure for attachments	bar
	8.3	Oil volume for attachments	l/min
	8.4	Average noise level at operator's ear (Lpaz)	dB (A)
		Guaranteed sound power 2001/14/EC (Lwaz)	dB
	8.5	Towing coupling, type DIN	

Specification data according to VDI 2198

NEXEN	NEXEN	NEXEN	NEXEN	NEXEN
FDL25-SRT	FDL25-SRT	FDL25-SRT	FDL25-SRT	FDL25-SRT
Libero	Libero	Libero	Libero	Libero
Cummins QSF2.8	Cummins QSF2.8	Yanmar 4TNV94L	Yanmar 4TNV94L	Yanmar 4TNV94L
Powershift	Powershift	Powershift	Powershift	Powershift
Diesel	Diesel	Diesel	Diesel	Diesel
Seated	Seated	Seated	Seated	Seated
2500	2500	2500	2500	2500
500	500	500	500	500
480	480	480	480	480
1700	1700	1700	1700	1700
4350	4350	4350	4350	4350
6450/900	6450/900	6450/900	6450/900	6450/900
1750/2600	1750/2600	1750/2600	1750/2600	1750/2600
L	L	L	L	L
28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR	28x9-15-12PR
6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
2/2	2/2	2/2	2/2	2/2
1005	1005	1005	1005	1005
975	975	975	975	975
6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
2050	2050	2050	2050	2050
145	145	145	145	145
3000	3000	3000	3000	3000
4145	4145	4145	4145	4145
2150	2150	2150	2150	2150
				
3800	3800	3800	3800	3800
2730	2730	2730	2730	2730
1225	1225	1225	1225	1225
45x122x1070	45x122x1070	45x122x1070	45x122x1070	45x122x1070
3A	3A	3A	3A	3A
				
145	145	145	145	145
175	175	175	175	175
				
				
2355	2355	2355	2355	2355
				
17.2	17.6	18.6	18.6	19
0.49	0.49	0.49	0.49	0.49
0.50	0.50	0.50	0.50	0.50
				
21000	20500	20800	20300	19900
				
26	25	27	26	25
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Cummins QSF2.8	Cummins QSF2.8	Yanmar 4TNV94L	Yanmar 4TNV94L	Yanmar 4TNV94L
36.5	36.5	34.6	34.6	34.6
2500	2500	2400	2400	2400
4/2800	4/2800	4/3054	4/3054	4/3054
Automatic	Okamura	Automatic	Okamura	MS
175	175	175	175	175
				
				
				



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