



RX 70 Technical Data Diesel and LPG Forklift Trucks

RX 70-40

RX 70-45

RX 70-50

RX 70-50/600



RX 70-40/50 Diesel and LPG Forklift Trucks The benchmark for efficiency



1.1	Manufacturer			STILL							
1.2	Manufacturer's model designation			RX 70-40	RX 70-40 T	RX 70-45	RX 70-45 T	RX 70-50	RX 70-50 T	RX 70-50/600	RX 70-50/600
1.2.1	Manufacturer's type designation			7331	7335	7332	7336	7333	7337	7334	7338
1.3	Drive			Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG
.4	Operation			Seated							
.5	Rated capacity	Q		4000	4000	4500	4500	4999	4999	5000	5000
.6	Load centre	С		500	500	500	500	500	500	600	600
.8	Load distance	x		540	540	540	540	540	540	550	550
.9	Wheel base	у		2005	2005	2005	2005	2070	2070	2125	2125
2.1	Service weight (incl. battery)			6076	6076	6278	6278	6590	6590	7174	7174
2.2	Axle loading, laden front/rear			8896/1180	8896/1180	9632/1146	9632/1146	10468/1122	10468/1122	11014/1160	11014/1160
2.3	Axle loading, unladen front/rear		kg	2821/3255	2821/3255	2798/3480	2798/3480	2955/3635	2955/3635	3308/3866	3308/3866
3.1	Tyres			Superelastic							
3.2	Tyre size front			250-15	250-15	28 x 12.5-15					
3.2	Tyre size rear		mm	250-15	250-15	250-15	250-15	250-15	250-15	250-15	250-15
3.5	Number of wheels (x = driven) front/rear			2x/2							
3.6		b10/b11	mm	1136/1120	1136/1120	1210/1120	1210/1120	1210/1120	1210/1120	1210/1120	1210/1120
4.1	Tilt of mast/fork carriage forward/backward		0	6/7	6/7	6/7	6/7	6/7	6/7	6/7	6/7
1.2	Height mast lowered	h ₁		2400	2400	2400	2400	2400	2400	2400	2400
4.3	Free lift	h ₂		160	160	160	160	160	160	160	160
1.4	Lift	ha		3180	3180	3180	3180	3180	3180	2980	2980
4.5	Height mast raised	h4		4187	4187	4187	4187	4187	4187	4137	4137
4.7	Height over overhead guard (cab)	hε		2320	2320	2300	2300	2300	2300	2300	2300
4.8	Seat height rel. to SIP	h ₂		1298	1298	1298	1298	1298	1298	1298	1298
4.12	Coupling height	h ₁₀	mm	496	496	496	496	496	496	496	496
4.19	Overall length	I ₁		4027	4027	4071	4071	4098	4098	4368	4368
4.20	Length including fork backs	I ₂		3027	3027	3071	3071	3098	3098	3168	3168
4.21	Overall width	b1	mm	1380	1380	1506/13801	1506/13801	1506/13801	1506/13801	1506/13801	1506/1380 ¹
4.22	Fork dimensions	s/e/l	mm	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000
4.23	Fork carriage ISO 2328, Class/Form A, B			Cl. III, Form A	CI. III, Form A	Cl. III, Form A					
4.24	Fork carriage width	b ₃	mm	1310	1310	1310	1310	1310	1310	1310	1310
4.31	Ground clearance under mast, laden	m ₁	mm	140	140	140	140	140	140	140	140
4.32	Ground clearance, centre of wheel base	m ₂	mm	165	165	165	165	165	165	165	165
4.34.1	Working aisle widths with pallet 1000 x 1200 crosswise	Ast	mm	4401	4401	4441	4441	4470	4470	4539	4539
4.34.2	Working aisle widths with pallet 800 x 1200 lengthways	Ast	mm	4601	4601	4641	4641	4670	4670	4739	4739
4.35	Turning radius	W.	mm	2661	2661	2701	2701	2730	2730	2789	2789
4.36	Smallest pivot point distance	b ₁₃	mm	737	737	737	737	746	746	754	754
5.1	Travel speed laden/unladen		km/h	21/21	21/21	21/21	21/21	21/21	21/21	21/21	21/21
5.2	Hoist speed laden/unladen		m/s	0.59/0.59	0.59/0.59	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54
5.3	Lowering speed laden/unladen		m/s	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50
5.5	Traction laden/unladen			22210/20010	22210/20010	22160/20130	22160/20130	22100/21830	22100/21830	22060/22150	22060/22150
5.7	Gradeability laden/unladen		%	22/35	22/33	21/34	21/32	20/33	20/31	19/32	19/30
5.9	Acceleration time laden/unladen		S	5.2/4.7	5.1/4.6	5.5/4.8	5.4/4.7	5.9/4.9	5.6/4.8	6.2/5.0	5.8/4.9
5.10	Service brake			Mechanical/							
				hydraulic							
7.1	Engine manufacturer			Deutz	VW	Deutz	VW	Deutz	VW	Deutz	VW
7.1.1	Type			TCD 2.9 L4	CKPA						
7.2	Engine rating to ISO 1585		kW		55	54	55	54	55	54	55
7.3	Nominal speed		1/min	2200	2200	2200	2200	2200	2200	2200	2200
7.4	Number of cylinders			4	6	4	6	4	6	4	6
7.4.1	Swept volume			2900	3600	2900	3600	2900	3600	2900	3600
7.5	Fuel consumption according to VDI Cycle		I/h	4.1		4.3		4.6		4.8	
			kg/h		3.8		4.0		4.3		4.6
.9	On-board voltage	U	V	12	12	12	12	12	12	12	12
.1	Drive control			Diesel-electric							
0.1	Working pressure for attachments			250	250	250	250	250	250	250	250
10.2	Oil volume for attachments		I/min		30	30	30	30	30	30	30
0.4	Volume fuel tank			56		56		56		56	
			kg		22		22		22		22
	Sound pressure level 2 LpAz (driver's seat)		dB(A)		<76	<75	<76	<75	<76	<75	<76
10.7.1			dB(A)		<99	<98	<99	<98	<99	<98	<99
	Human vibrations 3: in accordance with EN 13059		m/s ²		0.47	0.47	0.47	0.47	0.47	0.47	0.47
10.8	Towing coupler, Type/Model DIN			Pin							

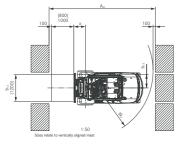
¹ With reduced basic load capacity and/or restricted lifting height ² With cab; higher sound level without cab ³ With standard driver's seat

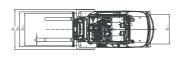


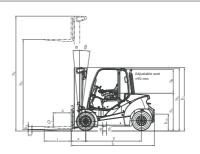


								-													
			Telescopic mast						Triplex mast												
Nominal lift		ha	nm 2980	3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580	7180				
Overall height		hı	nm 2300	2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000	320				
Free lift		h ₅	nm 160	160	160	160	160	160	160	1390	1490	1590	1740	1840	2040	2240	244				
Maximum height		h ₄	nm 3762	3962	4262	4462	4862	5262	5662	4835	5135	5435	5885	6185	6785	7385	798				
Tilt of mast/fork carriage	forward/backward	α/β	° 6/7							6/7											
Fork lock-in position centre-centre			nm 191/36	191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)							191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)										
Tyres	front/rear		250-15	250-15 (7.00-15 Twin tyres) / 250-15							250-15 (7.00-15 Twin tyres) / 250-15										
Track	front/rear	b10/b11	nm 1136 (1	1136 (1364 Twin tyres) / 1120							1136 (1364 Twin tyres) / 1120										
Maximum width				769 Twin tyres)						1380 (1769											
	Telescopic mast								Triplex mast												
Nominal lift			nm 2980	3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580	718				
Overall height			nm 2300	2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000	320				
Free lift			nm 160	160	160	160	160	160	160	1238	1338	1590	1740	1840	2040	2240	2440				
Maximum height			nm 3987	4187	4487	4687	5087	5487	5887	4987 6/7	5287	5587	6037	6337	6937	7537	813				
Tilt of mast/fork carriage	forward/backward		° 6/7	6/7 191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)																	
Fork lock-in position centre-centre						1410 mm)/1080 (fork carriage 1410	mm)		191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)											
Tyres	front/rear			.5-15 (7.00-15 Twin t						28 x 12.5-15 (7.00-15 Twin tyres) / 250-15											
Track	front/rear			364 Twin tyres) / 11	20					1210 (1364 Twin tyres) / 1120											
Maximum width		b1	nm 1506 (1	1506 (1769 Twin tyres)							1506 (1769 Twin tyres)										
			~ .	Telescopic mast						Triplex mast											
Nominal lift			nm 2980	3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580					
Overall height			nm 2300	2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000					
Free lift			nm 160	160	160	160 4687	160 5087	160 5487	160 5887	1238	1338 5287	1590 5587	1740	1840	2040	2240					
Maximum height			nm 3987	4187	448/	468/	5087	548/	5887	4987	5287	558/	603/	6337	6937	7537					
Tilt of mast/fork carriage	forward/backward		° 6/7							6/7											
Fork lock-in position centre-centre				m 191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm) 28 x 12.5-15 (7.00-15 Twin tyres) / 250-15							191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)										
Tyres	front/rear										28 x 12.5-15 (7.00-15 Twin tyres) / 250-15										
	front/rear b ₁₀ /b ₁₁ mm 1210 (1364 Twin tyres) / 1120									1210 (1364 Twin tyres) / 1120 1506 (1769 Twin tyres)											
Maximum width		b ₁	nm 1506 (1	769 Twin tyres)						1506 (1769	7 Iwin tyres)										
			Telesco	Telescopic mast							Triplex mast										
Nominal lift		hs .	nm 2780	2980	3280	3480	3880	4280	4680	3730	4030	4330	4730	5080	5680	6280	688				
Overall height			nm 2300	2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000	320				
Free lift			nm 160	160	160	160	160	160	160	1130	1230	1330	1480	1580	1780	1980	218				
Maximum height		h ₄	nm 3887	4087	4387	4587	4987	5387	5787	4795	5095	5395	5845	6145	6745	7345	794				
Tilt of mast/fork carriage	forward/backward		° 6/7							6/7	.,.										
				191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)							191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)										
Fork lock-in position centre-centre			nm 191/36																		
	front/rear					1410 mm)/1080 (tork carnage 1410	mmj					410 mm)/1080 (to	ork carriage 1410 III	mj						
Fork lock-in position centre-centre Tyres Track	front/rear front/rear		28 x 12	8/5/2/6/3/9/8 (to .5-15 (7.00-15 Twin t 364 Twin tyres) / 11	yres) / 250-15	1410 mm)/1080 (tork carnage 1410	mmj		28 x 12.5-1	572/673/978 (10 15 (7.00-15 Twin t 4 Twin tyres) / 11	yres) / 250-15	410 mm)/1080 (fc	nk camage 1410 m	m)						

Technical Drawings



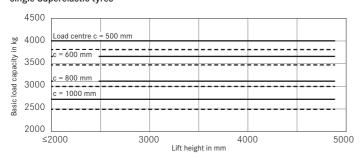




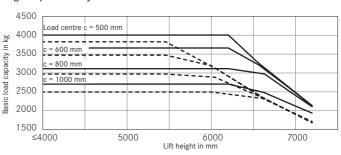
iew Side

RX 70-40/50 Diesel and LPG Forklift Trucks Basic Load Capacities

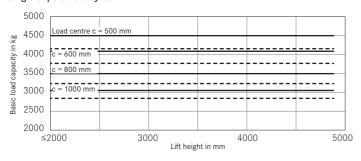
RX 70-40 Telescopic mast single Superelastic tyres



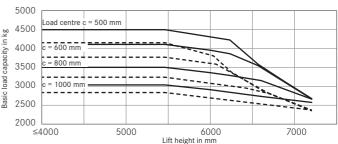
RX 70-40 Triplex mast single Superelastic tyres



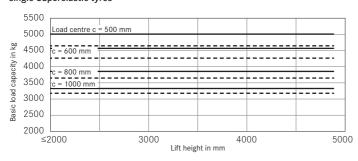
RX 70-45 Telescopic mast single Superelastic tyres



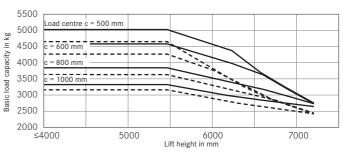
RX 70-45 Triplex mast single Superelastic tyres



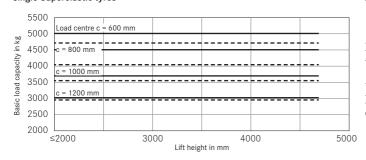
RX 70-50 Telescopic mast single Superelastic tyres



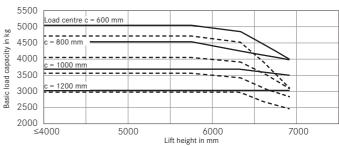
RX 70-50 Triplex mast single Superelastic tyres



RX 70-50/600 Telescopic mast single Superelastic tyres



RX 70-50/600 Triplex mast single Superelastic tyres



[—] With standard forks ——— With integrated side shifter and standard forks The values indicated may vary depending on the truck's features





RX 70-40/50 Diesel and LPG Forklift Trucks Detailed Photos



 $\label{thm:maximum} \mbox{Maximum visibility thanks to numerous windows and narrow overhead guard profiles}$



Additional protective grille roof



High comfort thanks to high-quality driver's seat



Always the best view of the load and forks thanks to narrow mast profiles



Precise and fatigue-free working with the Joystick 4Plus $\,$



Wide, unrestricted entry and exit area



Also available as an LPG variant



Good servicing and maintenance access

RX 70-40/50 Diesel and LPG Forklift Trucks The benchmark for efficiency

High availability, longer service life and low operating costs thanks to diesel-electric drive

Individually adjustable: driving and lifting behaviour can be tailored to operational circumstances and driver preferences

Modern, easy-servicing DEUTZ industrial diesel engine complies with the emission standard with just an oxidation catalyst and no diesel particle filter

The RX 70-40/50 IC trucks with a load capacity of up to five tonnes have been fitted with a diesel-electric drive. This combines the advantages of a powerful internal combustion engine with the precision of an electric drive, guaranteeing high availability, a longer service life and lower operating costs. With their compact design and high manoeuvrability coupled with sensitive transmission and lifting control, the RX 70-40/50 IC trucks enable top handling performance. The driving and lifting behaviour can be adjusted to operational circumstances or driver preferences. All drive components are encapsulated to provide protection against dust and water penetration.



As a result the trucks are perfect for a range of applications, including indoor and outdoor use in the construction industry, building materials sector and wood processing, the metalworking industry and the food and drinks industry. Customers in the logistics and freight-carrier industries also stand to benefit. The bend-proof and torsionally rigid mast allows safe load handling, even for heavy loads with a high residual load capacity. The comfortable driver's cab incorporates the latest ergonomic criteria to combat fatigue and improve safety. Five driving programmes are available. The Blue-Q energy-saving mode cuts energy consumption by 10 per cent with no loss of performance.

Extensive Equipment

Power

- Can lift up to five tonnes with a load centre of 600 mm
- Diesel-electric drive with powerful industrial engines: high availability, longer service life and low operating costs
- Move goods effectively: driving speed of up to 21 km/h
- High delivery volume at low engine speeds due to electrically controlled hydraulic pump
- Safe load handling even with heavy loads due to robust, bend-proof and torsionally rigid mast

Precision

- Select maximum turnover or maximum efficiency: five driving programmes leave you in control
- Speed, acceleration and braking can all be individually set
- Powerful and precise hydraulic operation reduces breakages: safe load handing thanks to sensitive and direct hydraulic control

Ergonomics

- Spacious, comfortable driver's cab that can be individually set up and offering numerous storage compartments
- Premium driver's seat offers the best seat ergonomics
- Safe and comfortable entry and exit due to large, non-slip and clearly visible step
- Choose from a range of individual control options: mini-lever,
 Fingertip or Joystick 4Plus

Compactness

- Ideal for confined spaces thanks to smaller working widths
- Optimal visibility over the truck contours due to narrow overhead guard profile struts and large windows
- Low operating forces and easy truck handling due to small steering wheel and nimble steering axle

Safety

- Perfect all-round view: narrow mast profile and large viewing windows on all sides
- Asymmetrically offset driver's seat affords excellent visibility over load and fork carriage
- Optimal stability thanks to low centre of gravity (truck)
- Convenient step and grab handles ensure high operator safety
- Robust, bend-proof and torsionally rigid mast brings added safety for drivers and the environment

Environmental Responsibility

- Reduction of operating costs and CO₂ emissions
- Low emissions: complies with 97/68/EC 3b even without a diesel particle filter
- Blue-Q energy-saving mode allows energy savings of up to 10 per cent at the press of a button with no loss of performance
- Over 95 per cent of all installed materials are recyclable

RX 70-40/50 Diesel and LPG Forklift Trucks Equipment Variants



11

0 0	0	•	•	•	•	•	•
0	0						
0				0	0	0	0
		_	0		0		
	0	- 0	0		0	- 0	0
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
							•
							0
							•
							0
							•
							0
							0
							0
							0
0	0			0			0
							0
0	0	0	0	0	0	0	0
							0
							0
							0
							0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
							0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	•
0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	•
0	0	0	0	- 0	0	0	0
		0	0	0	0	0	0
•	•	•	•	•	•	•	•
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	
•	•	•	•	•	•	•	•
0	0	0	0	0		0	0
							•
							•
							0
			_		_		•
_				_		_	0
_		_		_		_	
							0
							0
	0		0		0		_
•				•			•
							0
							•
							•
0	0	0	0			0	0
•	•	•	•	•	•	•	•
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	•
0	o	ō	0	o	0	Ö	0
							0
							Ö
							0
							0
							0

● Standard ○ Optional — Not available





STILL Materials Handling Ltd

Aston Way

Leyland Preston

PR26 7UX

Tel.: +44 (0)845 603 6827

STILL Materials Handling Ltd

Jacks Way

Hill Barton

Business Park

Clyst St. Mary

Exeter

EX5 1FG

Tel.: +44 (0)345 603 6827

info@still.co.uk

For further information please visit:

www.still.co.uk

STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.



